">>>>>>>>>>>> QUAL2Kw version 6 input data <<<<<<<<<<<<<<v60b08"
2: "Verdigris River","PortOfInola_Opt2b_Final_Summer",
"C:\QUAL2Kw_V6\WLA_Analysis_Scenarios_20220613\Inola_WLA", "Verdigris River (8/1/2021)"
8,1,2021
4: -6,.000347,3.90625000001157E-03,30, "Repeating diel", 30, "Euler", "Brent", "No", "No", "Lumped", "No", "All", "Option 1","Yes", "No",4
5: 8,"Depth","Flow fraction (unitless)","Flow fraction (unitless)"
6: "", "Headwater", "Headwater", $9.144,0,158.907,36,7,28.58,95,34,11.23,0,45.72,0,0, .0000047, .05,0,0,0,0,0$, $.00001, .00001,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$
7: "Headwater","","", 8.8392,158.907,158.858,36,7,18.54,95,34,11.76, 0,45.72, 0, 0, .0000044, .05, 0, 0, 0, 0, 0, $.2, .2,0,0,0,0,0,0,3.82409177820268 \mathrm{E}-03,5.88321812031181 \mathrm{E}-03,10,0, .4, .650000000000001,0,0,0,0,0,0,1,0$
8: "","","",7.9248,158.858,158.71,36,6,28.26,95,34,8.94, 0, 45.72,0,0,.0000042,.05, 0, 0, 0, 0, 0, .2, .2, 0, 0, 0, $0,0,0,3.82409177820268 \mathrm{E}-03,5.88321812031181 \mathrm{E}-03,10,0, .4, .650000000000001,0,0,0,0,0,0,1,0$
9: "","","", 6.4008, 158.71, 158.463, 36, 5, 49.83, 95, 33, 31.9, 0, 45.72, 0, 0, .0000034, .05, 0, 0, 3.6576, 0, 0, .2, .2, 0, $0,0,0,0,0,3.82409177820268 \mathrm{E}-03,5.88321812031181 \mathrm{E}-03,10,0, .4, .650000000000001,0,0,0,0,0,0,1,0$
10: "", "", "", 4.8, 158.463, 158.203902887139, 36, 5, 4.75, 95, 33, 18.78, 0, 45.72, 0, 0, . $0000025, .05,0,0,4.2672,0,0$, $.3, .2,0,0,0,0,0,0,3.82409177820268 \mathrm{E}-03,5.88321812031181 \mathrm{E}-03,10,0, .4, .650000000000001,0,0,0,0,0,0,1,0$
11: "","","", 2.7432,158.203902887139,157.871, 36,4, 23.38, 95, 33, 16.48, 0, 45.72, 0, 0, .0000019, .05, 0, 0, 4.8768, $0,0, .3, .2,0,0,0,0,0,0,3.82409177820268 \mathrm{E}-03,5.88321812031181 \mathrm{E}-03,10,0, .4, .650000000000001,0,0,0,0,0,0$, 1,0
12: "","","",1.2192,157.871,157.6230528,36,3,43.04,95,32,32.33,0,45.72, 0, 0,.0000016,.05, 0, 0, 6.096, 0, 0,.4, $.2,0,0,0,0,0,0,3.82409177820268 \mathrm{E}-03,5.88321812031181 \mathrm{E}-03,10,0, .4, .650000000000001,0,0,0,0,0,0,1,0$
13: "", "Newt Graham Lock and Dam", "", .6096, 157.6230528,151.2112, 36, 3, 31.82, 95, 32, 14.1, 0, 45.72, 0, 0,. 00001 , $.05,0,0,9.144,0,0, .6, .2,0,0,0,0,4.683,54.864,3.82409177820268 \mathrm{E}-03,5.88321812031181 \mathrm{E}-03,10,0, .4$, . $650000000000001,0,0,0,0,0,0,1,0$
14: "Newt Graham Lock and Dam","","", $0,151.2112,151.205104,36,3,21.42,95,31,56.38,0,45.72,0,0, .00001, .05$, $0,0,3.6576,0,0, .1, .2,0,0,0,0,0,0,3.82409177820268 \mathrm{E}-03,5.88321812031181 \mathrm{E}-03,10,0, .4, .650000000000001$, $0,0,0,0,0,0,1,0$
15: "","", "Terminus", 0, 151.205104, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, 0,0,0,0,0
16: -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, 999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, 999, -999, -999, -999
17: -999,-999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, 999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, 999, -999, -999, -999
18: -999,-999, -999,-999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, 999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, 999, -999, -999,-999
19: -999,-999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, 999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999,-999, -999,-999
20: -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, 999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, 999, -999, -999, -999
21: -999,-999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, 999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, 999, -999, -999, -999
22: -999,-999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, 999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, 999, -999, -999, -999
23: -999,-999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, 999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, 999, -999, -999, -999
24: -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999
25: -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999
26: -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999
27: -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999
28: -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999
29: -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999
30: -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999
31: -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999
32: -999,-999, 40, -999, -999
33: -999,-999, 40,-999,-999

PortOfInola_Opt2b_Final_Summer.q2k
Summer, Discharge Option 2

```
34: -999,-999,40,-999,-999
35: -999,-999,40,-999,-999
36: -999,-999,40,-999,-999
37: -999,-999,40,-999,-999
38: -999,-999,40,-999,-999
39: -999,-999,40, -999,-999
40: -999,-999,-999, -999,-999, -999,-999,-999,-999,-999, -999, -999, -999, -999,-999
41: -999,-999,-999,-999,-999,-999,-999,-999,-999,-999,-999,-999,-999,-999,-999
42: -999,-999,-999,-999,-999,-999,-999,-999,-999,-999,-999, -999,-999,-999,-999
43: -999,-999,-999,-999,-999, -999,-999,-999,-999,-999,-999, -999,-999,-999,-999
44: -999,-999,-999,-999,-999,-999,-999,-999,-999,-999,-999,-999,-999,-999,-999
45: -999,-999,-999,-999,-999,-999,-999,-999,-999,-999,-999,-999,-999,-999,-999
46: -999,-999,-999, -999, -999, -999,-999,-999, -999,-999, -999, -999, -999,-999,-999
47: -999,-999,-999,-999,-999,-999,-999,-999,-999,-999,-999,-999,-999,-999,-999
48: .47,.2,.0088,.054,.052,.174,.015
49: "Bras",2,.8,"Brunt",1.24,"Brady-Graves-Geyer",.65,2,"Eqn 1",.17, 2, "No"
50:8
51: "InolaPort Domestic",4.79,0,0,0,3.50501092592593E-02,0,0,32,0,.6666666666666667
52: 0,0,0
53: 22.5,0,0
54: 2,0,.666666666666667
55: 0,0,0
56: 66.125,0,.666666666666667
57: 3450,0,.666666666666667
58: 13800,0,.666666666666667
59: 0,0,0
60: 0,0,0
61: 0,0,0
62: 0,0,0
63: 22.5,0,0
64: 0,0,0
65: 0,0,0
66: 100,0,0
67: 7.94,0,.666666666666667
68: "Inola Domestic",4.79,0,0,0,1.75250546296296E-02,0,0,32,0,.666666666666667
69: 0,0,0
70: 22.5,0,0
71: 2,0,.6666666666666667
72: 0,0,0
73: 66.125,0,.666666666666667
74: 3450,0,.666666666666667
75: 13800,0,.666666666666667
76: 0,0,0
77: 0,0,0
78: 0,0,0
79: 0,0,0
80: 22.5,0,0
81: 0,0,0
82: 0,0,0
83: 100,0,0
84: 7.94,0,.666666666666667
85: "Inola Domestic New",4.79,0,0,0,1.75250546296296E-02,0,0,32,0,.6666666666666667
86: 0,0,0
87: 22.5,0,0
88: 2,0,.6666666666666667
89: 0,0,0
90: 66.125,0,.666666666666667
91: 3450,0,.6666666666666677
92: 13800,0,.666666666666667
93: 0,0,0
94: 0,0,0
95: 0,0,0
96: 0,0,0
97: 22.5,0,0
```

PortOfInola_Opt2b_Final_Summer.q2k
Summer, Discharge Option 2

```
98: 0,0,0
    99: 0,0,0
100: 100,0,0
101: 7.94,0,.666666666666667
102: "InolaPort Industrial",4.79,0,0,0,.289163401388889,0,0,32,0,.666666666666667
103: 0,0,0
104: 25,0,0
105: 2,0,0
106: 0,0,0
107: 140.185,0,.666666666666667
108: 0,0,.666666666666667
109: 5750,0,.666666666666667
110: 0,0,0
111: 0,0,0
112: 0,0,0
113: 0,0,0
114: 25,0,0
115: 0,0,0
116: 0,0,0
117: 100,0,0
118: 8,0,.666666666666667
119: "InolaPort Cooling",4.79,0,0,0,0,0,0,35,0,.6666666666666667
120: 0,0,0
121: 20,0,0
122: 6,0,0
123: 0,0,0
124: 1.18,0,.666666666666667
125: 0,0,.666666666666667
126: 0,0,.666666666666667
127: 0,0,0
128: 0,0,0
129: 0,0,0
130: 0,0,0
131: 0,0,0
132: 0,0,0
133: 0,0,0
134: 100,0,0
135: 7.6,0,.666666666666667
136: "Sofidel Discharge",8.5344,0,0,0,.131437909722222,0,0,32,0,.6666666666666667
137: 0,0,0
138: 40,0,0
139: 2,0,0
140: 240,0,0
141: 0,0,.666666666666667
142: 0,0,.666666666666667
143: 10000,0,.666666666666667
144: 0,0,0
145: 0,0,0
146: 0,0,0
147: 0,0,0
148: 40,0,0
149: 0,0,0
150: 0,0,0
151: 100,0,0
152: 7.565,0,.6666666666666667
153: "Other WLA",4.79,0,0,0,.3557,0,0,32,0,.6666666666666667
154: 0,0,0
155: 0,0,0
156: 0,0,0
157: 0,0,0
158: 140.185,0,.666666666666667
159: 0,0,.666666666666667
160: 0,0,.666666666666667
161: 0,0,0
```

```
162: 0,0,0
163: 0,0,0
164: 0,0,0
165: 0,0,0
166: 0,0,0
167: 0,0,0
168: 100,0,0
169: 8,0,.666666666666667
170: "Cooling Withdrawal",4.79,0,0,0,0,0,0,32,0,.666666666666667
171: 0,0,0
172: 0,0,0
173: 0,0,.666666666666667
174: 0,0,0
175: 0,0,.666666666666667
176: 0,0,.666666666666667
177: 0,0,.666666666666667
178: 0,0,0
179: 0,0,0
180: 0,0,0
181: 0,0,0
182: 0,0,0
183: 0,0,0
184: 0,0,0
185: 100,0,0
186: 7.94,0,.666666666666667
187: 0
188: 1.83412,54.1488,8.01092,.93161,100,.530195
189: 1.024,2.67,4.57,1.657908,.9803305
190: .6,.6,.6,.6,.6,.075,1.0611317,.035,1.0029386,.25,1.0621019,.2536275,1.0522809,1.209431
191: .5,1.0554078,1.95,1.0570983,.74014,1.0535325,.26,1.0648809,1.8414455, 2,.2
192: 4,1.0466704,.063491,1.0681905,.15,1.0041692,13.08625,4.23204,.000048184123,80.1289
193: 27.66195,2.67,"Yes",1,1,"Zero-order",175,1.0650293,.1035704,.37308,1.004193,.1,1.0588014,.02,114.8
194: 1.0044233,209.592,26.14225,.00000752908,104.1438,28.65885,.408641,1.07,. 26
195: 7.430688,3.87748,673.3685,71.234,1.206341,1.3537155,.31395,.54211
196: "Flow",.032831,.37152,2.3918,24.405,49.0375
197: .8,1.07,1,1,0,1.07,0,"No"
198: "Exponential","Exponential","Exponential","Exponential","Exponential", "Half saturation","Half
    saturation"
199: "User model",4.08331094825795,.917130559877088,-1.63352092117235, "None"
200: "Minimum","Minimum"
201: "Yes","Yes"
202: "Zero-order",5,1.047,.5,"Exponential",.6,.2,1.07,.05,1.07,15, 2, 25,100
203: 1
204: .FALSE.
205: 9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,
    9.883, 9.883,9.883,9.883,9.883,9.883,9.883,9.883,""
206: 32,32,32,32,32,32,32,32,32,32,32,32,32,32,32,32,32,32,32,32,32,32,32,32,""
207: 332,332,332,332,332,332,332,332,332,332,332,332,332,332,332,332,332,332,332,332,332,332,332,332,""
208: 7.2,7.2,7.2,7.2,7.2,7.2,7.2,7.2,7.2,7.2,7.2,7.2,7.2,7.2,7.2,7.2,7.2,7.2,7.2,7.2,7.2,7.2,7.2,7.2,""
209: 6.278,6.278,6.278,6.278,6.278,6.278,6.278,6.278,6.278,6.278,6.278,6.278,6.278,6.278,6.278,6.278,
    6.278,6.278,6.278,6.278,6.278,6.278,6.278,6.278,""
210: 0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,""
211: 3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,
    3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,""
212: 648,648,648,648,648,648,648,648,648,648,648,648,648,648,648,648,648,648,648,648,648,648,648,648,""
213: 55,55,55,55,55,55,55,55,55,55,55,55,55,55,55,55,55,55,55,55,55,55,55,55,""
214: 485,485,485,485,485,485,485,485,485,485,485,485,485,485,485,485,485,485,485,485,485,485,485,485,""
215: 79,79,79,79,79,79,79,79,79,79,79,79,79,79,79,79,79,79,79,79,79,79,79,79,""
216: 79,79,79,79,79,79,79,79,79,79,79,79,79,79,79,79,79,79,79,79,79,79,79,79,""
217: 5.57,5.57,5.57,5.57,5.57,5.57,5.57,5.57,5.57,5.57,5.57,5.57,5.57,5.57,5.57,5.57,5.57,5.57,5.57,5.57,
    5.57,5.57,5.57,5.57,""
218: 1.8,1.8,1.8,1.8,1.8,1.8,1.8,1.8,1.8,1.8,1.8,1.8,1.8,1.8,1.8,1.8,1.8,1.8,1.8,1.8,1.8,1.8,1.8,1.8,""
219: 0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,""
220: 0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,""
```

221: $100,100,100,100,100,100,100,100,100,100,100,100,100,100,100,100,100,100,100,100,100,100,100,100, " "$
222: 7.79, 7.79, 7.79, 7.79, 7.79, 7.79, 7.79, 7.79, 7.79, 7.79, 7.79, 7.79, 7.79, 7.79, 7.79, 7.79, 7.79, 7.79, 7.79, 7.79, $7.79,7.79,7.79,7.79, " "$
223: $1,1,1,1,1,1,1, .201793696585124,2.01758446068287 \mathrm{E}-02,2.01758446068288 \mathrm{E}-02,2.01758446068286 \mathrm{E}-02$, $2.01758446068287 \mathrm{E}-02,2.01758446068286 \mathrm{E}-02,2.01758446068287 \mathrm{E}-02,2.01758446068286 \mathrm{E}-02$, $2.01758446068289 \mathrm{E}-02,2.01758446068285 \mathrm{E}-02,2.01758446068286 \mathrm{E}-02,3.27070951226306 \mathrm{E}-02, .535632699135298$, 1,1,1,1,""
224: 1, 1, 1, 1, 1, 1, 1,. 201793696585124, 2.01758446068287E-02, 2.01758446068288E-02, 2.01758446068286E-02, $2.01758446068287 \mathrm{E}-02,2.01758446068286 \mathrm{E}-02,2.01758446068287 \mathrm{E}-02,2.01758446068286 \mathrm{E}-02$, $2.01758446068289 \mathrm{E}-02,2.01758446068285 \mathrm{E}-02,2.01758446068286 \mathrm{E}-02,3.27070951226306 \mathrm{E}-02, .535632699135298$, 1,1,1,1,""
225: 1, 1, 1, 1, 1, 1, 1,.121058522461585, 2.01758446068287E-02, 2.01758446068288E-02, 2.01758446068286E-02, $2.01758446068287 \mathrm{E}-02,2.01758446068286 \mathrm{E}-02,2.01758446068287 \mathrm{E}-02,2.01758446068286 \mathrm{E}-02$, $2.01758446068289 \mathrm{E}-02,2.01758446068285 \mathrm{E}-02,2.01758446068286 \mathrm{E}-02,2.48307093937154 \mathrm{E}-02, .45940614732911$, 1,1,1,1,""
226: 1, 1, 1, 1, 1, 1, 1,. 197386281433723, 2.01758446068287E-02, 2.01758446068288E-02, 2.01758446068286E-02, $2.01758446068287 \mathrm{E}-02,2.01758446068286 \mathrm{E}-02,2.01758446068287 \mathrm{E}-02,2.01758446068286 \mathrm{E}-02$, $2.01758446068289 \mathrm{E}-02,2.01758446068285 \mathrm{E}-02,2.01758446068286 \mathrm{E}-02,3.02603499129488 \mathrm{E}-02, .535632699135298$, 1,1,1,1,""
227: $1,1,1,1,1,1,1, .133237203883434,2.01758446068287 \mathrm{E}-02,2.01758446068288 \mathrm{E}-02,2.01758446068286 \mathrm{E}-02$, $2.01758446068287 \mathrm{E}-02,2.01758446068286 \mathrm{E}-02,2.01758446068287 \mathrm{E}-02,2.01758446068286 \mathrm{E}-02$, $2.01758446068289 \mathrm{E}-02,2.01758446068285 \mathrm{E}-02,2.01758446068286 \mathrm{E}-02,2.61318757361153 \mathrm{E}-02, .478124403460442$, 1,1,1,1,""
228: $1,1,1,1,1,1,1,6.58526474464715 \mathrm{E}-02,2.01758446068287 \mathrm{E}-02,2.01758446068288 \mathrm{E}-02,2.01758446068286 \mathrm{E}-02$, $2.01758446068287 \mathrm{E}-02,2.01758446068286 \mathrm{E}-02,2.01758446068287 \mathrm{E}-02,2.01758446068286 \mathrm{E}-02$, $2.01758446068289 \mathrm{E}-02,2.01758446068285 \mathrm{E}-02,2.01758446068286 \mathrm{E}-02,2.01758446068287 \mathrm{E}-02, .276964176159862$, 1,1,1,1,""
229: $1,1,1,1,1,1,1,6.58526474464715 \mathrm{E}-02,2.01758446068287 \mathrm{E}-02,2.01758446068288 \mathrm{E}-02,2.01758446068286 \mathrm{E}-02$, $2.01758446068287 \mathrm{E}-02,2.01758446068286 \mathrm{E}-02,2.01758446068287 \mathrm{E}-02,2.01758446068286 \mathrm{E}-02$, $2.01758446068289 \mathrm{E}-02,2.01758446068285 \mathrm{E}-02,2.01758446068286 \mathrm{E}-02,2.01758446068287 \mathrm{E}-02, .276964176159862$, 1,1,1,1,""
230: $1,1,1,1,1,1,1,6.58526474464715 \mathrm{E}-02,2.01758446068287 \mathrm{E}-02,2.01758446068288 \mathrm{E}-02,2.01758446068286 \mathrm{E}-02$, $2.01758446068287 \mathrm{E}-02,2.01758446068286 \mathrm{E}-02,2.01758446068287 \mathrm{E}-02,2.01758446068286 \mathrm{E}-02$, $2.01758446068289 \mathrm{E}-02,2.01758446068285 \mathrm{E}-02,2.01758446068286 \mathrm{E}-02,2.01758446068287 \mathrm{E}-02, .276964176159862$, 1,1,1,1,""
231: 30.2881481481481, 29.3048148148148, 28.8159259259259, 28.2048148148148, 27.8548148148148, $27.3937037037037,26.8048148148148,26.8437037037037,26.6437037037037,28.727037037037,30.6548148148148$, $32.577037037037,34.0159259259259,35.177037037037,36.4381481481482,37.1881481481481,37.4159259259259$, $37.7437037037037,37.9437037037037,36.9437037037037,35.0825925925926,33.5309259259259$, 31.9792592592592, 30.4275925925926,""

232: 30.2881481481481, 29.3048148148148, 28.8159259259259, 28.2048148148148, 27.8548148148148, $27.3937037037037,26.8048148148148,26.8437037037037,26.6437037037037,28.727037037037,30.6548148148148$, $32.577037037037,34.0159259259259,35.177037037037,36.4381481481482,37.1881481481481,37.4159259259259$, $37.7437037037037,37.9437037037037,36.9437037037037,35.0825925925926,33.5309259259259$, 31.9792592592592, 30.4275925925926, ""

233: 30.2881481481481, 29.3048148148148, 28.8159259259259, 28.2048148148148, 27.8548148148148, $27.3937037037037,26.8048148148148,26.8437037037037,26.6437037037037,28.727037037037,30.6548148148148$, $32.577037037037,34.0159259259259,35.177037037037,36.4381481481482,37.1881481481481,37.4159259259259$, $37.7437037037037,37.9437037037037,36.9437037037037,35.0825925925926,33.5309259259259$, 31.9792592592592, 30.4275925925926,""

234: 30.2881481481481, 29.3048148148148, 28.8159259259259, 28.2048148148148, 27.8548148148148, $27.3937037037037,26.8048148148148,26.8437037037037,26.6437037037037,28.727037037037,30.6548148148148$, $32.577037037037,34.0159259259259,35.177037037037,36.4381481481482,37.1881481481481,37.4159259259259$, $37.7437037037037,37.9437037037037,36.9437037037037,35.0825925925926,33.5309259259259$, 31.9792592592592, 30.4275925925926, ""

235: 30.2881481481481, 29.3048148148148, 28.8159259259259, 28.2048148148148, 27.8548148148148, $27.3937037037037,26.8048148148148,26.8437037037037,26.6437037037037,28.727037037037,30.6548148148148$, $32.577037037037,34.0159259259259,35.177037037037,36.4381481481482,37.1881481481481,37.4159259259259$, $37.7437037037037,37.9437037037037,36.9437037037037,35.0825925925926,33.5309259259259$, 31.9792592592592, 30.4275925925926,""

236: 30.2881481481481,29.3048148148148,28.8159259259259,28.2048148148148,27.8548148148148, $27.3937037037037,26.8048148148148,26.8437037037037,26.6437037037037,28.727037037037,30.6548148148148$, $32.577037037037,34.0159259259259,35.177037037037,36.4381481481482,37.1881481481481,37.4159259259259$, $37.7437037037037,37.9437037037037,36.9437037037037,35.0825925925926,33.5309259259259$, 31.9792592592592, 30.4275925925926,""

237: 30.2881481481481,29.3048148148148,28.8159259259259,28.2048148148148,27.8548148148148, $27.3937037037037,26.8048148148148,26.8437037037037,26.6437037037037,28.727037037037,30.6548148148148$, $32.577037037037,34.0159259259259,35.177037037037,36.4381481481482,37.1881481481481,37.4159259259259$, $37.7437037037037,37.9437037037037,36.9437037037037,35.0825925925926,33.5309259259259$, 31.9792592592592,30.4275925925926,""

238: 30.2881481481481,29.3048148148148,28.8159259259259,28.2048148148148,27.8548148148148, $27.3937037037037,26.8048148148148,26.8437037037037,26.6437037037037,28.727037037037,30.6548148148148$, $32.577037037037,34.0159259259259,35.177037037037,36.4381481481482,37.1881481481481,37.4159259259259$, $37.7437037037037,37.9437037037037,36.9437037037037,35.0825925925926,33.5309259259259$, 31.9792592592592,30.4275925925926,""

239: 19.4534259259259,19.2200925925926,19.4392037037037,19.9820925925926,19.7440925925926, 19.4809814814815,19.5180925925926,19.5009814814815,18.9909814814815,19.2643148148148, 19.1480925925926, 19.5223148148148, 19.8112037037037, 20.3903148148148, 20.7374259259259, 20.0754259259259, 20.3672037037037, 20.4549814814815, 20.4749814814815, 20.9229814814815, 20.8752037037037,20.8752037037037,20.8752037037037,20.8752037037037,""

240: 19.4534259259259,19.2200925925926,19.4392037037037,19.9820925925926,19.7440925925926, 19.4809814814815,19.5180925925926,19.5009814814815,18.9909814814815,19.2643148148148, 19.1480925925926,19.5223148148148,19.8112037037037, 20.3903148148148, 20.7374259259259, 20.0754259259259, 20.3672037037037, 20.4549814814815, 20.4749814814815, 20.9229814814815, 20.8752037037037, 20.8752037037037, 20.8752037037037, 20.8752037037037, " "

241: 19.4534259259259,19.2200925925926,19.4392037037037,19.9820925925926,19.7440925925926, 19.4809814814815,19.5180925925926,19.5009814814815,18.9909814814815,19.2643148148148, 19.1480925925926,19.5223148148148,19.8112037037037, 20.3903148148148, 20.7374259259259, 20.0754259259259, 20.3672037037037, 20.4549814814815, 20.4749814814815, 20.9229814814815, 20.8752037037037,20.8752037037037,20.8752037037037,20.8752037037037,""

242: 19.4534259259259,19.2200925925926,19.4392037037037,19.9820925925926,19.7440925925926, 19.4809814814815,19.5180925925926,19.5009814814815,18.9909814814815,19.2643148148148, 19.1480925925926,19.5223148148148,19.8112037037037, 20.3903148148148, 20.7374259259259, $20.0754259259259,20.3672037037037,20.4549814814815,20.4749814814815,20.9229814814815$, 20.8752037037037,20.8752037037037,20.8752037037037,20.8752037037037,""

243: 19.4534259259259,19.2200925925926,19.4392037037037,19.9820925925926,19.7440925925926, 19.4809814814815,19.5180925925926,19.5009814814815,18.9909814814815,19.2643148148148, 19.1480925925926,19.5223148148148,19.8112037037037, 20.3903148148148, 20.7374259259259, 20.0754259259259, 20.3672037037037, 20.4549814814815, 20.4749814814815, 20.9229814814815, 20.8752037037037, 20.8752037037037, 20.8752037037037, 20.8752037037037,""

244: 19.4534259259259,19.2200925925926,19.4392037037037,19.9820925925926,19.7440925925926, 19.4809814814815,19.5180925925926,19.5009814814815,18.9909814814815,19.2643148148148, 19.1480925925926,19.5223148148148,19.8112037037037, 20.3903148148148, 20.7374259259259, $20.0754259259259,20.3672037037037,20.4549814814815,20.4749814814815,20.9229814814815$, 20.8752037037037,20.8752037037037,20.8752037037037,20.8752037037037,""

245: 19.4534259259259,19.2200925925926,19.4392037037037,19.9820925925926,19.7440925925926, $19.4809814814815,19.5180925925926,19.5009814814815,18.9909814814815,19.2643148148148$, 19.1480925925926,19.5223148148148,19.8112037037037, 20.3903148148148, 20.7374259259259, 20.0754259259259, 20.3672037037037, 20.4549814814815, 20.4749814814815, 20.9229814814815, 20.8752037037037,20.8752037037037,20.8752037037037,20.8752037037037,""

246: 19.4534259259259,19.2200925925926,19.4392037037037,19.9820925925926,19.7440925925926, $19.4809814814815,19.5180925925926,19.5009814814815,18.9909814814815,19.2643148148148$, 19.1480925925926,19.5223148148148,19.8112037037037, 20.3903148148148, 20.7374259259259, 20.0754259259259, 20.3672037037037, 20.4549814814815, 20.4749814814815, 20.9229814814815, 20.8752037037037, 20.8752037037037, 20.8752037037037, 20.8752037037037,""

247: 1.609344,.625856, . 402336,.312928,.759968,.536448,.44704, .491744,.491744, .849376, 1.430528,1.296416, . $938784,1.207008,1.162304,1.1176,2.324608,1.654048,1.519936,1.430528, .268224, .536448, .357632, .357632$, ""

248: 1.609344,.625856,.402336,.312928,.759968,.536448,.44704,.491744,.491744,.849376,1.430528,1.296416, $.938784,1.207008,1.162304,1.1176,2.324608,1.654048,1.519936,1.430528, .268224, .536448, .357632, .357632$, ""

249: 1.609344,.625856,.402336,.312928,.759968,.536448,. 44704, .491744,.491744,.849376,1.430528,1.296416, . $938784,1.207008,1.162304,1.1176,2.324608,1.654048,1.519936,1.430528, .268224, .536448, .357632, .357632$, " "

250: 1.609344,.625856,.402336,.312928, .759968,.536448,.44704,.491744,.491744, .849376,1.430528,1.296416, . $938784,1.207008,1.162304,1.1176,2.324608,1.654048,1.519936,1.430528, .268224, .536448, .357632, .357632$, ""

251: 1.609344,.625856,.402336,.312928,.759968,.536448,.44704,.491744,.491744, .849376,1.430528,1.296416, . $938784,1.207008,1.162304,1.1176,2.324608,1.654048,1.519936,1.430528, .268224, .536448, .357632, .357632$, ""

252: 1.609344,.625856,.402336,.312928,.759968,.536448,.44704,.491744,.491744,.849376,1.430528,1.296416, .938784,1.207008,1.162304,1.1176,2.324608,1.654048,1.519936,1.430528, .268224, .536448, .357632,.357632, ""

253: 1.609344,.625856,.402336,.312928,.759968,.536448,.44704,.491744,.491744, .849376,1.430528,1.296416, . $938784,1.207008,1.162304,1.1176,2.324608,1.654048,1.519936,1.430528, .268224, .536448, .357632, .357632$, ""
254: 1.609344,.625856,.402336,.312928,.759968,.536448, . 44704,.491744, .491744, .849376,1.430528,1.296416, . $938784,1.207008,1.162304,1.1176,2.324608,1.654048,1.519936,1.430528, .268224, .536448, .357632, .357632$,

255: . $3, .3, .3,0,0,0, .3, .3, .3,0,0,0,0,0,0,0, .3, .3, .3, .3, .3, .3, .3,0, " "$
256: . $3, .3, .3,0,0,0, .3, .3, .3,0,0,0,0,0,0,0, .3, .3, .3, .3, .3, .3, .3,0, " "$
257: . $3, .3, .3,0,0,0, .3, .3, .3,0,0,0,0,0,0,0, .3, .3, .3, .3, .3, .3, .3,0, "{ }^{\prime \prime}$
258: . $3, .3, .3,0,0,0, .3, .3, .3,0,0,0,0,0,0,0, .3, .3, .3, .3, .3, .3, .3,0, " '$
259: . $3, .3, .3,0,0,0, .3, .3, .3,0,0,0,0,0,0,0, .3, .3, .3, .3, .3, .3, .3,0, " "$
260: . $3, .3, .3,0,0,0, .3, .3, .3,0,0,0,0,0,0,0, .3, .3, .3, .3, .3, .3, .3,0, " "$
261: . $3, .3, .3,0,0,0, .3, .3, .3,0,0,0,0,0,0,0, .3, .3, .3, .3, .3, .3, .3,0, " "$
262: . $3, .3, .3,0,0,0, .3, .3, .3,0,0,0,0,0,0,0, .3, .3, .3, .3, .3, .3, .3,0, " "$
263: $0,0,0,0,0,0,0, .7,54.8,230.3,408.2,576.8,707.9,787.2,749.4,782.7,672.9,445.7,310.8,134.1,15.4,0,0,0, " "$
264: 0,0,0,0,0,0,0,.7,54.8,230.3,408.2,576.8,707.9,787.2,749.4,782.7,672.9,445.7,310.8,134.1,15.4,0,0,0,"'
265: 0,0,0,0,0,0,0,.7,54.8,230.3,408.2,576.8,707.9,787.2,749.4,782.7,672.9,445.7,310.8,134.1,15.4,0,0,0,"'
266: 0,0,0,0,0,0,0,.7,54.8,230.3,408.2,576.8,707.9,787.2,749.4,782.7,672.9,445.7,310.8,134.1,15.4,0,0,0,"'
267: 0,0,0,0,0,0,0,.7,54.8,230.3,408.2,576.8,707.9,787.2,749.4,782.7,672.9,445.7,310.8,134.1,15.4,0,0,0,"'
268: $0,0,0,0,0,0,0, .7,54.8,230.3,408.2,576.8,707.9,787.2,749.4,782.7,672.9,445.7,310.8,134.1,15.4,0,0,0, " '$
269: $0,0,0,0,0,0,0, .7,54.8,230.3,408.2,576.8,707.9,787.2,749.4,782.7,672.9,445.7,310.8,134.1,15.4,0,0,0, " "$
270: 0,0,0,0,0,0,0,.7,54.8,230.3,408.2,576.8,707.9,787.2,749.4,782.7,672.9,445.7,310.8,134.1,15.4,0,0,0,""
271: 1,0,0,0,0,0,0,0,0,0,0,0,0, $, 0,0,0,0,0,0,0, " '$
272: 1,1, $0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
273: $1,2,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
274: 1,3,0,0,0,0,0,0,0,0,0,0,0, $0,0,0,0,0,0,0,0, " "$
275: 1,4, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
276: 1,5, $0,0,0, \theta, 0,0,0, \theta, \theta, \theta, \theta, \theta, \theta, 0,0,0,0,0,0, " '$
277: 1, $6,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
278: 1, $7,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
279: 1, $8,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
280: 1,9, $0, \theta, 0, \theta, 0, \theta, \theta, \theta, 0, \theta, 0,0,0,0,0,0,0,0,0, " "$
281: 1, 10, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
282: 1,11, $\theta, 0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
283: 1, 12, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
284: 1,13, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, "$
285: 1, 14, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
286: 1, 15, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
287: 1,16,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,""
288: 1, 17, $0,0,0,0,0,0,0,0,0,0, \theta, \theta, \theta, \theta, 0,0,0,0,0,{ }^{\prime \prime}$
289: 1,18, $, 0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0, " "$
290: 1, 19, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
291: 1, 20, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
292: 1,21, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0, " "$
293: 1,22, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
294: 1, 23, $\theta, 0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
295: 1,24, $\theta, 0,0,0,0,0,0,0,0,0,0,0,0, \theta, \theta, 0,0, \theta, 0, " "$
296: 1,25,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,""
297: 1,26, $, 0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
298: 1,27, $0,0,0,0,0,0,0,0,0,0,0,0, \theta, \theta, \theta, \theta, \theta, \theta, 0, " "$
299: 1, 28, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
300: 1,29, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
301: 1, 30, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
302: 1,31, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
303: 1,32, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
304: 1, 33, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
305: 1, 34, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
306: 1, 35, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
307: 1, 36, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
308: 1,37, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
309: $1,38,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

310: $1,39,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, "$
311: $1,40,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
312: $1,41,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$,
313: $1,42,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, '$
314: $1,43,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$,
315: $1,44,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
316: $1,45,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
317: $1,46,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
318: $1,47,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$,
319: $1,48,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
320: $1,49,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$321: 1,50,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
322: $1,51,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$323: 1,52,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, "$
324: 1, $53,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
325: $1,54,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$326: 1,55,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, '$
327: 1, $56,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
328: 1, $57,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
329: 1, $58,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
330: $1,59,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0$,
331: $1,60,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
332: $1,61,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
333: $1,62,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, '$
$334: 1,63,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
335: 1, 64, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, "'
336: $1,65,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$337: 1,66,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
338: $1,67,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$339: 1,68,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \cdots$
340: $1,69,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
341: $1,70,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$342: 1,71,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
343: $1,72,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$,
$344: 1,73,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
345: $1,74,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
346: $1,75,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
347: $1,76,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
348: $1,77,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
349: $1,78,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
350: $1,79,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
351: $1,80,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
$352: 1,81,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, '$
353: $1,82,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$,
$354: 1,83,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
355: $1,84,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
356: $1,85,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
357: $1,86,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
358: $1,87,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
359: $1,88,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
360: 1, $89,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
361: $1,90,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
362: $1,91,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
363: 1, $92,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
364: 1, $93,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
365: 1, $94,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
366: $1,95,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
$367: 1,96,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
368: $1,97,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
369: $1,98,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
370: $1,99,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
371: $1,100,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
372: $1,101,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
373: $1,102,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

374: $1,103,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$375: 1,104,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
376: $1,105,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$377: 1,106,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
378: $1,107,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
379: $1,108,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
380: $1,109,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
381: $1,110,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$382: 1,111,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
383: $1,112,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
384: $1,113,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
385: $1,114,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
386: $1,115,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
387: $1,116,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
388: $1,117,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
389: $1,118,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
390: $1,119,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
391: $1,120,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
392: $1,121,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
393: $1,122,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
394: $1,123,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
395: 1, 124, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
396: $1,125,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
397: $1,126,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
398: $1,127,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
399: $1,128,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
400: $1,129,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
401: $1,130,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
402: $1,131,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
403: $1,132,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
404: $1,133,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
405: $1,134,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
406: $1,135,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
407: $1,136,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
408: $1,137,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
409: $1,138,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
410: $1,139,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
411: $1,140,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
412: $1,141,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
413: $1,142,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
414: $1,143,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
415: 1, 144, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
416: $1,145,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
417: $1,146,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
418: $1,147,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
419: $1,148,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
420: $1,149,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
421: $1,150,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
422: $1,151,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
423: $1,152,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
424: $1,153,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
425: $1,154,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
426: $1,155,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
427: $1,156,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
428: $1,157,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
429: $1,158,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
430: $1,159,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
431: $1,160,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
432: $1,161,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
433: $1,162,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
434: $1,163,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
435: $1,164,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
436: $1,165,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
437: $1,166,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

438: $1,167,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
439: $1,168,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
440: $1,169,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
441: $1,170,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
442: $1,171,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
443: $1,172,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
444: $1,173,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
445: $1,174,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
446: $1,175,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
447: $1,176,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
448: $1,177,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
449: $1,178,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
450: $1,179,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
451: $1,180,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
452: $1,181,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
453: $1,182,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
454: $1,183,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
455: $1,184,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
456: $1,185,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
457: $1,186,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
458: $1,187,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
459: $1,188,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
460: $1,189,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
461: $1,190,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
462: $1,191,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
463: $1,192,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
464: $1,193,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
465: 1, 194, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
466: $1,195,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
467: $1,196,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
468: $1,197,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
469: $1,198,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
470: $1,199,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
471: $1,200,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
472: $1,201,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
473: 1, 202, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
474: $1,203,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
475: $1,204,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
476: $1,205,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
477: $1,206,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
478: $1,207,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
479: $1,208,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
480: $1,209,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
481: $1,210,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
482: $1,211,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
483: $1,212,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
484: $1,213,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
485: 1, 214, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
486: $1,215,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
487: $1,216,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
488: $1,217,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
489: $1,218,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
490: $1,219,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
491: $1,220,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
492: $1,221,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
493: $1,222,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
494: $1,223,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
495: $1,224,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
496: $1,225,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
497: $1,226,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
498: $1,227,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
499: $1,228,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
500: $1,229,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
501: 1, 230, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

502: 1, 231, $0,0, \theta, 0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
503: 1, 232, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
504: $1,233,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
505: 1, 234, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
506: 1, 235, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
507: $1,236,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
508: $1,237,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
509: 1, 238, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
510: 1, 239, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
511: $1,240,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
512: 1, 241, $0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
513: $1,242,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
514: 1, 243, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
515: 1, 244, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
516: $1,245,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
517: 1, 246, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
518: $1,247,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
519: 1, 248, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
520: 1, 249, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
521: $1,250,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
522: 1, 251, $0,0,0,0,0, \theta, 0,0,0,0,0, \theta, \theta, 0, \theta, 0, \theta, 0,0, " "$
523: 1, 252, $, 0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
524: 1, 253, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
525: 1, 254, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
526: $1,255,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
527: 1, 256, $0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0,0,0,0, \theta, 0,0, " "$
528: $1,257,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
529: 1, 258, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
530: 1, 259, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
531: $1,260,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
532: 1, 261, $0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
533: $1,262,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
534: $1,263,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
535: 1, 264, $, 0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
536: 1, 265, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
537: $1,266,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
538: 1, 267, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
539: $1,268,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
540: $1,269,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
541: $1,270, \theta, 0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0, \theta, 0, " "$
542: 1, 271, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, $0,0,0,0,0, " "$
543: 1, 272, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
544: $1,273,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
545: 1, 274, $, 0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
546: 1, 275, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
547: $1,276,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
548: $1,277,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
549: $1,278,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
550: $1,279,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
551: $1,280,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
552: 1, 281, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
553: 1, 282, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
554: 1, 283, $, 0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
555: 1, 284, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
556: $1,285,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
557: 1, 286, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
558: $1,287,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
559: $1,288,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
560: $1,289,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
561: $1,290,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
562: 1, 291, $0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
563: 1, 292, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
564: 1, 293, $0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0,0, \theta, 0,0,0,0, " "$
565: 1, 294, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

566: 1, 295, $0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0,0, \theta, 0,0,0,0, " "$
567: $1,296,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
568: 1, 297, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
569: $1,298,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
570: 1, 299, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
571: $1,300,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
572: $1,301,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
573: $1,302,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
574: 1, 303, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
575: $1,304,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
576: 1, 305, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
577: $1,306,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0, \theta, 0, \theta, 0,0, " "$
578: 1, 307, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
579: $1,308,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
580: 1, 309, $0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
581: $1,310,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
582: $1,311,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
583: $1,312,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
584: $1,313,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
585: $1,314,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
586: $1,315,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
587: 1, 316, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
588: $1,317,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
589: 1, 318, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
590: $1,319,0,0, \theta, 0,0,0, \theta, \theta, \theta, 0,0, \theta, 0, \theta, 0,0, \theta, 0,0, " "$
591: $1,320,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
592: $1,321,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
593: 1, 322, $0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
594: $1,323,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
595: $1,324,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
596: $1,325,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
597: $1,326,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, " "$
598: $1,327,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
599: $1,328,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
600: $1,329,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
601: $1,330,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
602: 1, 331, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
603: $1,332,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
604: $1,333,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
605: $1,334,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
606: $1,335,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
607: $1,336,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
608: $1,337,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
609: $1,338,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
610: $1,339,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
611: $1,340,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
612: $1,341,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
613: $1,342,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
614: $1,343,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
615: $1,344,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
616: $1,345,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
617: $1,346,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
618: $1,347,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
619: $1,348,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
620: $1,349,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
621: $1,350,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
622: $1,351,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
623: $1,352,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
624: $1,353,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
625: 1, 354, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
626: $1,355,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
627: $1,356,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
628: $1,357,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
629: $1,358,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

630: $1,359,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
631: $1,360,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
632: $1,361,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
633: $1,362,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
634: $1,363,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
635: $1,364,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
636: $1,365,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
637: $1,366,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
638: $1,367,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
639: $1,368,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
640: $1,369,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
641: $1,370,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
642: $1,371,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
643: $1,372,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
644: $1,373,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
645: 1, 374, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
646: $1,375,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
647: $1,376,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
648: $1,377,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
649: $1,378,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
650: $1,379,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
651: $1,380,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
652: $1,381,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
653: $1,382,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
654: $1,383,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
655: $1,384,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
656: $1,385,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
657: $1,386,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
658: 1, $387,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
659: $1,388,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
660: $1,389,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
661: $1,390,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
662: $1,391,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
663: $1,392,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
664: $1,393,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
665: $1,394,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
666: $1,395,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
667: $1,396,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
668: $1,397,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
669: $1,398,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
670: $1,399,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
671: $1,400,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
672: 1, 401, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
673: $1,402,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
674: $1,403,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
675: $1,404,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
676: $1,405,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
677: $1,406,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
678: $1,407,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
679: $1,408,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
680: $1,409,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
681: $1,410,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
682: $1,411,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
683: 1, 412, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
684: 1, 413, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
685: $1,414,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
686: $1,415,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
687: $1,416,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
688: $1,417,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
689: 1, 418, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
690: 1, 419, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
691: $1,420,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
692: $1,421,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
693: $1,422,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

694: 1, 423, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
695: $1,424,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
696: $1,425,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
697: $1,426,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
698: $1,427,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
699: $1,428,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
700: $1,429,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
701: $1,430,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
702: $1,431,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
703: $1,432,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
704: 1, 433, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
705: 1, 434, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
706: $1,435,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
707: $1,436,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
708: 1, 437, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
709: $1,438,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
710: $1,439,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
711: $1,440,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
712: $1,441,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
713: $1,442,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
714: 1, 443, $0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
715: 1, 444, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
716: $1,445,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
717: $1,446,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
718: $1,447,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
719: $1,448,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
720: $1,449,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
721: 1, 450, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
722: 1, 451, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
723: $1,452,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
724: 1, 453, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
725: 1, 454, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
726: $1,455,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
727: $1,456,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
728: 1, 457, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
729: $1,458,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
730: $1,459,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
731: $1,460,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
732: $1,461,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
733: $1,462,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
734: 1, 463, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
735: 1, 464, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
736: $1,465,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
737: $1,466,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
738: $1,467,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
739: $1,468,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
740: $1,469,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
741: 1, 470, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
742: $1,471,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
743: $1,472,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
744: 1, 473, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
745: $1,474,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
746: $1,475,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
747: 1, 476, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,""
748: 1, 477, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
749: $1,478,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
750: $1,479, \theta, 0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
751: 1, 480, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
752: $1,481,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
753: $1,482,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
754: 1, 483, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
755: $1,484,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
756: $1,485,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
757: 1, 486, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

758: $1,487,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
759: $1,488,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
760: $1,489,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
761: $1,490,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
762: $1,491,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
763: $1,492,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
764: 1, 493, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
765: 1, 494, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
766: $1,495,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
767: $1,496,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
768: 1, 497, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
769: $1,498,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
770: $1,499,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
771: $1,500,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
772: 1, $501,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
773: 1, $502,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
774: 1, $503,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
775: 1, 504, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
776: 1, 505, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
777: 1, 506, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
778: $1,507,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
779: 1, $508,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
780: $1,509,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
781: 1, $510,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
782: $1,511,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
783: 1, $512,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
784: 1, $513,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
785: 1, 514, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, $0,0,0,0,0, " "$
786: 1, $515,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
787: $1,516,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
788: $1,517,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
789: 1, $518,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
790: $1,519,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
791: $1,520,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
792: $1,521,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
793: $1,522,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
794: 1, $523,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
795: 1, $524,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
796: $1,525,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
797: $1,526,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
798: $1,527,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
799: 1, $528,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
800: 1, $529,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
801: $1,530,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
802: 1, $531,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
803: 1, $532,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
804: 1, $533,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
805: $1,534,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
806: $1,535,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
807: 1, $536,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
808: $1,537,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
809: $1,538,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
810: $1,539,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
811: 1, $540,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
812: $1,541,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
813: $1,542,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
814: 1, $543,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
815: 1, 544, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
816: $1,545,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
817: $1,546,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
818: $1,547,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
819: $1,548,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
820: 1, $549,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
821: $1,550,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

822: 1, 551, $0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
823: $1,552,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
824: $1,553,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
825: 1, $554,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
826: 1, $555,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
827: $1,556,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
828: $1,557,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
829: $1,558,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
830: $1,559,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
831: $1,560,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
832: 1, $561,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
833: $1,562,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
834: $1,563,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
835: 1, $564,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
836: 1, $565,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
837: 1, $566,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
838: 1, $567,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
839: $1,568,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
840: $1,569,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
841: $1,570,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
842: $1,571,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
843: $1,572,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
844: $1,573,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
845: 1, $574,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
846: $1,575,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
847: 1, $576,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
848: $1,577,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
849: 1, $578,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
850: 1, $579,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
851: $1,580,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
852: 1, $581,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
853: $1,582,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
854: $1,583,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
855: 1, $584,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
856: $1,585,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
857: $1,586,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
858: $1,587,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
859: $1,588,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
860: $1,589,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
861: $1,590,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
862: 1, 591, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
863: 1, 592, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
864: 1, 593, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
865: 1, 594, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
866: 1, 595, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
867: $1,596,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
868: $1,597,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
869: $1,598,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
870: $1,599,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
871: $1,600,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
872: 1, $601,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
873: $1,602,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
874: 1, 603, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
875: 1, 604, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
876: 1, $605,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
877: 1, $606,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
878: 1, $607,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
879: $1,608,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
880: 1, $609,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
881: 1, 610, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
882: 1, 611, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
883: $1,612,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
884: 1, 613, $0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
885: 1, 614, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

886: $1,615,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
887: $1,616,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
888: $1,617,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
889: 1, 618, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
890: $1,619,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
891: $1,620,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
892: $1,621,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
893: 1, 622, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
894: $1,623,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
895: $1,624,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
896: $1,625,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
897: $1,626,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
898: $1,627,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
899: $1,628,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
900: 1, 629, $0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
901: $1,630,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
902: $1,631,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
903: $1,632,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
904: $1,633,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
905: 1, 634, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
906: $1,635,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
907: 1, 636, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
908: $1,637,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
909: 1, 638, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
910: $1,639,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
911: $1,640,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
912: $1,641,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
913: 1, 642, $0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
914: 1, $643,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
915: 1, 644, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
916: $1,645,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
917: 1, 646, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
918: $1,647,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
919: $1,648,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
920: 1, $649,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
921: $1,650,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
922: 1, 651, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
923: $1,652,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
924: $1,653,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
925: 1, 654, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
926: 1, 655, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
927: 1, 656, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
928: $1,657,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
929: $1,658,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
930: $1,659,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
931: $1,660,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
932: $1,661,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
933: $1,662,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
934: $1,663,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
935: 1, 664, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
936: $1,665,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
937: $1,666,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
938: $1,667,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
939: $1,668,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
940: $1,669,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
941: $1,670,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
942: $1,671,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
943: $1,672,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
944: $1,673,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
945: 1, 674, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
946: $1,675,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
947: $1,676,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
948: $1,677,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
949: $1,678,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

950: $1,679,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0,0, \theta, 0,0, " "$
951: $1,680,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
952: $1,681,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
953: 1, 682, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
954: $1,683,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
955: $1,684,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
956: $1,685,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
957: $1,686,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
958: 1, 687, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
959: $1,688,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
960: $1,689,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
961: 1, 690, $0,0, \theta, 0,0,0, \theta, 0,0,0,0, \theta, 0,0,0,0, \theta, 0,0, " "$
962: $1,691,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
963: 1, 692, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
964: 1, 693, $0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
965: 1, 694, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
966: 1, 695, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
967: $1,696,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
968: 1, 697, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
969: $1,698,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
970: $1,699,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
971: $1,700,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
972: $1,701,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
973: $1,702,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
974: $1,703,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
975: 1, 704, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
976: $1,705,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
977: 1, 706, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
978: 1, 707, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
979: $1,708,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
980: 1, 709, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
981: $1,710,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
982: $1,711,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
983: $1,712,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
984: 1, 713, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
985: 1, 714, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
986: $1,715,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
987: $1,716,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
988: $1,717,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
989: 1, 718, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
990: $1,719,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
991: 1, 720, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
992: 2, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
993: $2,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
994: 2, 2, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
995: $2,3,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
996: $2,4,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
997: $2,5,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
998: $2,6,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
999: $2,7,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1000: $2,8,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
1001: 2, $9,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1002: $2,10,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1003: 2, 11, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1004: $2,12,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1005: 2, 13, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1006: $2,14,0,0,0,0,0,0,0,0,0, \theta, 0,0, \theta, 0,0,0,0,0,0, " "$
1007: $2,15,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1008: $2,16,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1009: $2,17,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1010: $2,18,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0, " "$
1011: $2,19,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1012: $2,2 \theta, \theta, \theta, 0,0, \theta, 0, \theta, \theta, 0, \theta, 0, \theta, \theta, 0, \theta, 0, \theta, \theta, \theta, " "$
1013: $2,21,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

1014: $2,22,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1015: 2, 23, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1016: $2,24,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$,
1017: $2,25,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, "$
1018: 2, 26, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$,
1019: $2,27,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1020: $2,28,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1021: $2,29,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1022: $2,30,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0, " "$
1023: $2,31,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1024: $2,32,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0, " "$
1025: 2, 33, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1026: $2,34,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1027: $2,35,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, "$
1028: $2,36,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1029: $2,37,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1030: $2,38,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, "$
1031: $2,39,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1032: $2,40,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1033: $2,41,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1034: 2, 42, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, '$
1035: $2,43,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1036: $2,44,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1037: 2, 45, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, '$
1038: $2,46,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1039: $2,47,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1040: $2,48,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1041: $2,49,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1042: $2,50,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1043: $2,51,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, "$
1044: $2,52,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, '$
1045: $2,53,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1046: $2,54,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1047: $2,55,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1048: $2,56,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1049: $2,57,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1050: $2,58, \theta, 0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0, " "$
1051: $2,59,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1052: $2,60,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1053: $2,61,0,0,0,0, \theta, 0, \theta, \theta, 0,0,0,0,0,0, \theta, 0,0,0,0, " "$
1054: $2,62,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1055: 2, $63,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1056: $2,64,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, "$
1057: $2,65,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$,
1058: $2,66,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1059: $2,67,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1060: $2,68,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0, " "$
1061: $2,69,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1062: $2,70,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1063: 2, 71, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1064: $2,72,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1065: $2,73,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1066: $2,74,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1067: 2, 75, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
1068: $2,76,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1069: $2,77,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1070: $2,78,0,0,0,0,0,0,0,0,0, \theta, 0,0, \theta, 0,0,0, \theta, 0,0, " "$
1071: $2,79,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1072: $2,80,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1073: $2,81,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1074: $2,82,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0, " "$
1075: $2,83,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1076: $2,84,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1077: $2,85,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

1078: $2,86,0,0,0,0,0,0,0, \theta, 0,0,0,0, \theta, \theta, \theta, 0,0,0,0, " "$
1079: $2,87,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1080: $2,88,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
1081: $2,89,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, '$
1082: $2,90,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,{ }^{\prime}$
1083: 2, $91,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1084: $2,92,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1085: $2,93,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1086: 2, $94,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1087: $2,95,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1088: 2, $96,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1089: $2,97,0,0,0,0,0,0, \theta, 0,0, \theta, 0, \theta, \theta, 0,0,0, \theta, \theta, \theta, " "$
1090: $2,98,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1091: $2,99,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1092: 2, 100, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1093: 2, 101, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1094: $2,102,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1095: 2, 103, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1096: $2,104,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1097: 2, 105, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1098: 2, 106, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1099: 2, 107, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1100: $2,108,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1101: 2, 109, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1102: $2,110,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1103: 2, 111, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1104: 2, 112, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1105: 2, 113, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1106: $2,114,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1107: $2,115,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1108: $2,116,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1109: $2,117,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1110: $2,118,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1111: $2,119,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1112: 2, 120, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1113: 2, 121, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, ""
1114: $2,122,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1115: $2,123,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1116: $2,124,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1117: $2,125,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1118: $2,126,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1119: $2,127,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1120: $2,128,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1121: $2,129,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1122: $2,130,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1123: $2,131,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1124: $2,132,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1125: $2,133,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1126: $2,134,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1127: $2,135,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1128: 2, 136, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1129: $2,137,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1130: $2,138,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1131: 2, 139, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1132: $2,140,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1133: $2,141,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1134: 2, 142, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1135: $2,143,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1136: $2,144,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1137: $2,145,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1138: $2,146,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1139: $2,147,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1140: $2,148,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
1141: $2,149,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

1142: $2,150,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1143: $2,151,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1144: $2,152,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1145: $2,153,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1146: $2,154,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1147: $2,155,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1148: 2, 156, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1149: $2,157,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1150: $2,158,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1151: $2,159,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1152: 2, 160, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1153: $2,161,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1154: $2,162,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1155: 2, 163, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1156: 2, 164, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1157: $2,165,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1158: $2,166,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1159: $2,167,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1160: $2,168,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1161: $2,169,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1162: 2, 170, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1163: 2, 171, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1164: 2, 172, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1165: 2, 173, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1166: $2,174,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1167: 2, 175, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1168: $2,176,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1169: 2, 177, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1170: $2,178,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1171: $2,179,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1172: 2, 180, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1173: 2, 181, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1174: $2,182,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1175: $2,183,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1176: $2,184,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1177: 2, 185, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,""
1178: $2,186,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1179: $2,187,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1180: $2,188,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1181: 2, 189, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1182: 2, 190, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1183: 2, 191, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1184: $2,192,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1185: 2, 193, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1186: $2,194,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1187: $2,195,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1188: $2,196,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1189: $2,197,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1190: $2,198,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1191: 2, 199, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1192: 2, 200, $0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
1193: 2, 201, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1194: $2,202,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1195: 2, 203, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1196: $2,204,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1197: $2,205,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1198: 2, 206, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1199: 2, $207,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1200: $2,208,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1201: $2,209,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1202: 2, 210, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1203: 2, 211, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1204: $2,212,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1205: 2, 213, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

1206: $2,214,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
1207: 2, 215, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1208: 2, 216, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1209: 2, 217, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1210: $2,218,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1211: 2, 219, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1212: 2, 220, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1213: 2, 221, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1214: 2, 222, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1215: 2, 223, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1216: 2, 224, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1217: 2, 225, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1218: 2, 226, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1219: 2, 227, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1220: 2, 228, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1221: 2, 229, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1222: 2, 230, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1223: 2, 231, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1224: $2,232,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, \theta, 0,0,0, \theta, 0, " "$
1225: 2, 233, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1226: 2, 234, $0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
1227: 2, 235, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1228: 2, $236,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1229: 2, 237, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1230: $2,238,0,0,0,0,0,0, \theta, 0,0,0, \theta, \theta, 0,0,0,0,0, \theta, 0, " "$
1231: 2, 239, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1232: 2, 240, $0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
1233: 2, 241, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1234: 2, $242,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1235: $2,243,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1236: 2, $244,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1237: $2,245,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1238: 2, $246,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1239: $2,247,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1240: $2,248,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1241: 2, 249, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1242: 2, $250,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1243: $2,251,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1244: 2, 252, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1245: $2,253,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
1246: 2, 254, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1247: 2, 255, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1248: 2, $256,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1249: 2, $257,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1250: 2, 258, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1251: 2, 259, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1252: 2, $260,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1253: 2, 261, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1254: 2, $262,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1255: 2, $263,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1256: 2, $264,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1257: $2,265,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1258: 2, $266,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1259: 2, $267,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1260: $2,268,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1261: $2,269,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1262: 2, 270, $0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
1263: 2, 271, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1264: 2, $272,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1265: $2,273,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1266: 2, $274,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1267: 2, 275, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1268: $2,276,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1269: 2, $277,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

1270: $2,278,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
1271: $2,279,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1272: 2, $280,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1273: 2, 281, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1274: $2,282,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1275: 2, 283, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1276: 2, $284,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1277: 2, $285,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1278: 2, $286,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1279: $2,287,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1280: 2, $288,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1281: 2, 289, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1282: 2, 290, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1283: 2, 291, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1284: 2, 292, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1285: 2, 293, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1286: 2, 294, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1287: 2, 295, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1288: 2, 296, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1289: 2, 297, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1290: 2, 298, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1291: 2, 299, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1292: 2, 300, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1293: $2,301,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1294: $2,302,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1295: 2, 303, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1296: $2,304,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
1297: $2,305,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1298: 2, $306,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1299: $2,307,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1300: $2,308,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1301: $2,309,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1302: 2, $310,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1303: $2,311,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1304: 2, 312, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1305: 2, 313, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1306: $2,314,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1307: $2,315,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1308: 2, $316,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1309: $2,317,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1310: $2,318,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1311: $2,319,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1312: $2,320,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1313: $2,321,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1314: $2,322,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1315: $2,323,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1316: $2,324,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1317: $2,325,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1318: 2, $326,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1319: $2,327,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1320: $2,328,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, " "$
1321: $2,329,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1322: $2,330,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1323: $2,331,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1324: $2,332,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1325: $2,333,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1326: $2,334,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1327: $2,335,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1328: $2,336,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1329: $2,337,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1330: $2,338,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1331: 2, 339, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1332: $2,340,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1333: 2, 341, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

1334: $2,342,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1335: $2,343,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1336: $2,344,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1337: $2,345,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1338: $2,346,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1339: $2,347,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1340: $2,348,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1341: $2,349,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1342: $2,350,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1343: $2,351,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1344: $2,352,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1345: $2,353,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1346: $2,354,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1347: 2, $355,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1348: $2,356,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1349: 2, $357,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1350: $2,358,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1351: $2,359,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1352: 2, $360,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1353: 2, 361, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1354: 2, $362,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1355: $2,363,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1356: $2,364,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1357: $2,365,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1358: $2,366,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1359: $2,367,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1360: $2,368,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1361: $2,369,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1362: 2, $370,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1363: $2,371,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1364: $2,372,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1365: $2,373,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1366: $2,374,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1367: $2,375,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1368: $2,376,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1369: 2, $377,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1370: $2,378,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1371: $2,379,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1372: 2, $380,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1373: $2,381,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1374: $2,382,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
1375: $2,383,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1376: $2,384,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1377: $2,385,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1378: 2, $386,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1379: $2,387,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1380: $2,388,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1381: $2,389,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1382: 2, $390,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1383: $2,391,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1384: $2,392,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1385: 2, 393, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1386: 2, 394, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1387: $2,395,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1388: $2,396,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1389: $2,397,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1390: $2,398,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1391: $2,399,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1392: $2,400,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1393: $2,401,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1394: 2, 402, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1395: 2, 403, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1396: $2,404,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1397: $2,405,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

1398: $2,406,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1399: $2,407,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1400: $2,408,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1401: $2,409,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1402: 2, 410, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1403: 2, 411, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1404: 2, 412, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1405: 2, 413, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1406: $2,414,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1407: $2,415,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1408: 2, 416, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1409: 2, 417, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1410: 2, 418, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1411: 2, 419, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1412: 2, 420, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1413: 2, 421, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1414: $2,422,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1415: 2, 423, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1416: $2,424,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1417: 2, 425, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1418: 2, $426,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1419: $2,427,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1420: $2,428,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1421: $2,429,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1422: $2,430,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
1423: 2, 431, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1424: $2,432,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1425: 2, 433, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1426: $2,434,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1427: $2,435,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1428: $2,436,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1429: $2,437,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1430: $2,438,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1431: $2,439,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1432: 2, 440, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1433: 2, 441, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,""
1434: $2,442,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1435: $2,443,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1436: 2, 444, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1437: $2,445,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1438: 2, 446, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1439: $2,447,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1440: $2,448,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1441: 2, 449, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1442: $2,450,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1443: $2,451,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1444: $2,452,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1445: 2, 453, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1446: 2, 454, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1447: $2,455,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1448: $2,456,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1449: $2,457,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1450: $2,458,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1451: $2,459,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1452: $2,460,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1453: $2,461,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1454: 2, $462,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1455: 2, 463, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1456: $2,464,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1457: $2,465,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1458: $2,466,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1459: 2, 467, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1460: 2, 468, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1461: $2,469,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

1462: $2,470,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1463: $2,471,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1464: $2,472,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1465: $2,473,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1466: $2,474,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1467: $2,475,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1468: 2, 476, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1469: 2, $477,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1470: $2,478,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1471: $2,479,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1472: 2, 480, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1473: 2, 481, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1474: 2, 482, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1475: 2, 483, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1476: 2, 484, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1477: $2,485,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1478: $2,486,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1479: 2, $487,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1480: $2,488,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1481: $2,489,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1482: 2, 490, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1483: $2,491,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1484: 2, 492, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1485: 2, 493, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1486: $2,494,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1487: 2, 495, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1488: $2,496,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1489: 2, 497, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1490: $2,498,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1491: $2,499,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1492: $2,500,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1493: $2,501,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1494: $2,502,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1495: $2,503,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1496: 2, $504,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1497: $2,505,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1498: $2,506,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1499: $2,507,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1500: $2,508,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1501: $2,509,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, \theta, 0,0,0, \theta, 0, " "$
1502: 2, 510, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1503: 2, 511, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1504: $2,512,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1505: $2,513,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1506: $2,514,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1507: $2,515,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1508: $2,516,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1509: 2, $517,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1510: $2,518,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1511: $2,519,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1512: 2, $520,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
1513: 2, $521,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1514: $2,522,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1515: 2, 523, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1516: $2,524,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1517: $2,525,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1518: 2, $526,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
1519: $2,527,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1520: $2,528,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1521: $2,529,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1522: $2,530,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1523: 2, $531,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1524: $2,532,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
1525: 2, 533, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

1526: $2,534,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
1527: 2, $535,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1528: $2,536,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1529: $2,537,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1530: $2,538,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1531: $2,539,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1532: 2, 540, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1533: 2, $541,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1534: 2,542, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1535: $2,543,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1536: 2, $544,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1537: 2, $545,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1538: $2,546,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1539: 2, $547,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1540: 2, $548,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1541: $2,549,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1542: $2,550,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1543: $2,551,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1544: 2, $552,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1545: 2, 553, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1546: 2,554, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1547: 2,555, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1548: $2,556,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1549: 2,557, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1550: $2,558,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1551: 2, $559,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1552: $2,560,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
1553: 2, 561, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1554: 2, $562,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1555: $2,563,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1556: $2,564,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1557: $2,565,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1558: 2, $566,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1559: 2, $567,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
1560: 2, $568,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1561: $2,569,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1562: $2,570,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1563: 2, $571,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1564: 2, $572,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1565: $2,573,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1566: $2,574,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1567: $2,575,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1568: $2,576,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1569: $2,577,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1570: $2,578,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1571: $2,579,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1572: $2,580,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1573: 2, $581,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1574: 2, $582,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1575: 2, 583, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1576: $2,584,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1577: $2,585,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1578: $2,586,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1579: 2, $587,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1580: $2,588,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1581: $2,589,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1582: 2, $590,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
1583: 2, 591, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1584: $2,592,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1585: $2,593,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1586: $2,594,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1587: 2, $595,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1588: 2, $596,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1589: 2, $597,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

1590: $2,598,0,0,0,0,0, \theta, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
1591: 2, 599, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1592: $2,600,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1593: $2,601,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1594: $2,602,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1595: $2,603,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1596: $2,604,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1597: 2, $605,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1598: 2, $606,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1599: $2,607,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1600: $2,608,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1601: $2,609,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1602: $2,610,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1603: 2, $611,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1604: 2, $612,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1605: 2, 613, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1606: $2,614,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1607: $2,615,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1608: 2, $616,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1609: $2,617,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1610: 2, $618,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
1611: 2, $619,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1612: $2,620,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1613: 2, $621,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1614: $2,622,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1615: $2,623,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1616: $2,624,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1617: 2, $625,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1618: $2,626,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1619: $2,627,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1620: 2, $628,0,0,0,0,0, \theta, \theta, 0,0,0,0,0,0, \theta, 0,0,0,0,0, " "$
1621: $2,629,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
1622: 2, $630,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1623: $2,631,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1624: 2, $632,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1625: 2, 633, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1626: 2, $634,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1627: $2,635,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1628: 2, $636,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1629: $2,637,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, \theta, 0,0,0, \theta, \theta, " "$
1630: 2, $638,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1631: 2, $639,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1632: $2,640,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1633: $2,641,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1634: 2, $642,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1635: $2,643,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1636: 2, $644,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1637: $2,645,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1638: 2, 646, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1639: 2, $647,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1640: $2,648,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
1641: $2,649,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1642: $2,650,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1643: 2, $651,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1644: 2, $652,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1645: $2,653,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1646: 2, $654,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1647: $2,655,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1648: $2,656,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1649: $2,657,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1650: $2,658,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1651: $2,659,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1652: 2, $660,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1653: 2, 661, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

1654: $2,662,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
1655: $2,663,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1656: 2, $664,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1657: $2,665,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1658: $2,666,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1659: $2,667,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1660: 2, $668,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1661: $2,669,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1662: 2, $670,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1663: $2,671,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1664: 2, $672,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1665: $2,673,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
1666: $2,674,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1667: $2,675,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1668: 2, $676,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1669: 2, $677,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1670: $2,678,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1671: 2, $679,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1672: 2, $680,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1673: 2, 681, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1674: 2, $682,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1675: 2, $683,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1676: $2,684,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1677: 2, $685,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1678: $2,686,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
1679: $2,687,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1680: $2,688,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
1681: 2, $689,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1682: 2, $690,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1683: $2,691,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1684: 2, $692,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1685: $2,693,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1686: 2, 694, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1687: $2,695,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1688: $2,696,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1689: 2, 697, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1690: 2, $698,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1691: $2,699,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1692: 2, 700, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1693: $2,701,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1694: 2, 702, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1695: 2, 703, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1696: $2,704,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1697: $2,705,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1698: 2, 706, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1699: $2,707,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1700: $2,708,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1701: $2,709,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1702: 2, 710, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1703: 2, 711, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1704: 2, $712,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1705: $2,713,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1706: 2, 714, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1707: 2, 715, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1708: 2, 716, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1709: $2,717,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1710: 2,718, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1711: $2,719,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1712: $2,720,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1713: $3,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, " "$
1714: $3,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1715: $3,2,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1716: $3,3, \theta, \theta, 0,0,0,0,0, \theta, \theta, 0, \theta, 0, \theta, \theta, 0,0,0,0, \theta, " "$
1717: $3,4,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

1718: $3,5,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
1719: $3,6,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
1720: $3,7,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1721: $3,8,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1722: $3,9,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
1723: $3,10,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1724: $3,11,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1725: $3,12,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1726: $3,13,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1727: $3,14,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1728: $3,15,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1729: $3,16,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1730: $3,17,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1731: $3,18,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1732: $3,19,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1733: $3,20,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1734: $3,21,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1735: $3,22,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1736: $3,23,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1737: $3,24,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1738: $3,25,0,0,0,0,0,0,0,0,0, \theta, 0,0, \theta, 0,0,0,0,0,0, " "$
1739: $3,26,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, \theta, 0, " "$
1740: $3,27,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1741: $3,28,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1742: $3,29,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
1743: $3,30,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1744: $3,31,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1745: $3,32,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1746: $3,33,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1747: $3,34,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1748: $3,35,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1749: $3,36,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1750: $3,37,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1751: $3,38,0,0,0,0,0,0,0,0,0, \theta, 0,0, \theta, 0,0,0, \theta, \theta, 0, " "$
1752: $3,39,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1753: $3,40,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1754: $3,41,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1755: $3,42,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1756: $3,43,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1757: $3,44,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0, \theta, 0,0,0,0, " "$
1758: 3, 45, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
1759: $3,46,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1760: $3,47,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, "$
1761: $3,48,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1762: $3,49,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1763: $3,50,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1764: $3,51,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1765: $3,52,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1766: $3,53,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1767: $3,54,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1768: $3,55,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1769: $3,56,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1770: $3,57,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1771: $3,58,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1772: $3,59,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1773: $3,60,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1774: $3,61,0,0,0,0,0,0,0,0,0, \theta, 0,0, \theta, 0,0,0,0,0,0, " "$
1775: $3,62,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1776: $3,63,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1777: $3,64,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1778: $3,65,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1779: $3,66,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1780: $3,67,0,0,0,0,0,0, \theta, 0,0, \theta, 0, \theta, \theta, 0,0,0, \theta, \theta, \theta, " "$
1781: $3,68,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

1782: $3,69,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0, \theta, \theta, 0,0,0, "$
1783: $3,70,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1784: $3,71,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$,
1785: $3,72,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, "$
1786: $3,73,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, '$
1787: $3,74,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1788: $3,75,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1789: $3,76,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1790: $3,77,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, '$
1791: $3,78,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1792: $3,79,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1793: $3,80,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1794: $3,81,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1795: $3,82,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, "$
1796: $3,83,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1797: $3,84,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1798: $3,85,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, "$
1799: $3,86,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1800: $3,87,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1801: $3,88,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

1803: $3,90,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
1804: $3,91,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1805: $3,92,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1806: $3,93,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1807: $3,94,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1808: $3,95, \theta, 0,0,0,0,0,0,0,0, \theta, 0,0, \theta, 0, \theta, 0,0, \theta, 0, " "$
1809: $3,96,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0, " "$
1810: $3,97,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1811: $3,98,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, "$
1812: $3,99,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1813: $3,100,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1814: $3,101,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1815: $3,102,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1816: $3,103,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1817: $3,104,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1818: $3,105,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1819: $3,106,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1820: $3,107,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1821: $3,108,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1822: 3, 109, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1823: $3,110,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1824: $3,111,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1825: $3,112,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1826: $3,113,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1827: $3,114,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1828: $3,115,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1829: $3,116,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1830: $3,117,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1831: $3,118,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1832: $3,119,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1833: $3,120,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1834: $3,121,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1835: $3,122,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1836: $3,123,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1837: $3,124,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1838: $3,125,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1839: $3,126,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1840: $3,127,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1841: $3,128,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1842: $3,129,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1843: $3,130,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1844: $3,131,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1845: $3,132,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

1846: $3,133,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1847: 3, 134, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1848: $3,135,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1849: $3,136,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1850: $3,137,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1851: $3,138,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1852: $3,139,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1853: $3,140,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1854: 3, 141, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1855: $3,142,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1856: $3,143,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1857: $3,144,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1858: $3,145,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1859: $3,146,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1860: 3, 147, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1861: $3,148,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1862: $3,149,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1863: $3,150,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1864: $3,151,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1865: $3,152,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1866: $3,153,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1867: $3,154,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1868: $3,155,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1869: $3,156,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1870: $3,157,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1871: $3,158,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1872: $3,159,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1873: $3,160,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1874: $3,161,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1875: $3,162,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1876: $3,163,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1877: $3,164,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1878: $3,165,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1879: $3,166,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1880: $3,167,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1881: $3,168,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1882: $3,169,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1883: $3,170,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1884: $3,171,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1885: $3,172,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1886: $3,173,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1887: $3,174,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1888: $3,175,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1889: $3,176,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1890: $3,177,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1891: $3,178,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1892: $3,179,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1893: $3,180,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1894: $3,181,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1895: $3,182,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1896: $3,183,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1897: $3,184,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1898: $3,185,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1899: $3,186,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1900: $3,187,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1901: $3,188,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1902: $3,189,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1903: $3,190,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1904: $3,191,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1905: $3,192,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1906: $3,193,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1907: $3,194,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1908: $3,195,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1909: $3,196,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

1910: $3,197,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1911: $3,198,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1912: $3,199,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1913: $3,200,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1914: $3,201,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1915: $3,202,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1916: $3,203,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1917: $3,204,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1918: $3,205,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1919: $3,206,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1920: $3,207,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1921: $3,208,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1922: $3,209,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1923: $3,210,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1924: 3, 211, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1925: $3,212,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1926: $3,213,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1927: $3,214,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1928: $3,215,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1929: $3,216,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1930: $3,217,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
1931: 3, 218, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1932: $3,219,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1933: $3,220,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1934: $3,221,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
1935: $3,222,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1936: $3,223,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1937: 3, 224, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1938: $3,225,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1939: $3,226,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1940: $3,227,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1941: $3,228,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
1942: $3,229,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1943: $3,230,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1944: $3,231,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1945: $3,232,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1946: $3,233,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1947: $3,234,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1948: $3,235,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1949: $3,236,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1950: $3,237,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1951: $3,238,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1952: $3,239,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1953: $3,240,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1954: 3, 241, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1955: $3,242,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1956: $3,243,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1957: $3,244,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1958: $3,245,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1959: $3,246,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1960: $3,247,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1961: $3,248,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1962: 3, 249, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1963: $3,250,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1964: $3,251,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1965: $3,252,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1966: $3,253,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
1967: $3,254,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1968: $3,255,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1969: $3,256,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1970: $3,257,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1971: $3,258,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1972: 3, 259, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1973: $3,260,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

1974: $3,261,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1975: 3, 262, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1976: $3,263,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1977: $3,264,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1978: $3,265,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1979: $3,266,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1980: $3,267,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1981: $3,268,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1982: 3, 269, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1983: $3,270,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1984: $3,271,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1985: $3,272,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1986: $3,273,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1987: $3,274,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1988: $3,275,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1989: $3,276,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1990: $3,277,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1991: $3,278,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1992: $3,279,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1993: $3,280,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1994: $3,281,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1995: $3,282,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1996: $3,283,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1997: $3,284,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1998: $3,285,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1999: $3,286,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2000: $3,287,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
2001: 3, 288, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2002: 3, 289, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2003: $3,290,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2004: 3, 291, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2005: 3, 292, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2006: $3,293,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2007: 3, 294, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2008: $3,295,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2009: $3,296,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2010: $3,297,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2011: $3,298,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2012: $3,299,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2013: $3,300, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, \theta, 0,0,0,0,0, " "$
2014: 3, 301, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2015: $3,302,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2016: $3,303,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2017: $3,304,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2018: $3,305,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2019: $3,306,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2020: $3,307,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2021: $3,308,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2022: $3,309,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2023: 3, 310, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2024: $3,311,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2025: $3,312,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2026: $3,313,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2027: $3,314,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2028: $3,315,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2029: $3,316,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2030: $3,317,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2031: $3,318,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2032: $3,319,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2033: $3,320,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2034: $3,321,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2035: 3, 322, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2036: 3, 323, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2037: $3,324,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

2038: $3,325,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2039: $3,326,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2040: $3,327,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2041: $3,328,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2042: $3,329,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2043: 3, 330, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2044: $3,331,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2045: $3,332,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2046: 3, 333, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2047: $3,334,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2048: $3,335,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2049: 3, $336,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2050: $3,337,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2051: $3,338,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2052: 3, 339, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2053: $3,340,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2054: $3,341,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2055: $3,342,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2056: $3,343,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2057: $3,344,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2058: $3,345,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2059: 3, $346,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2060: $3,347,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2061: $3,348,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2062: 3, 349, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2063: 3, $350,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2064: $3,351,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2065: 3, 352, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2066: $3,353,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2067: $3,354,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2068: $3,355,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2069: 3, $356,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
2070: $3,357,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2071: $3,358,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2072: $3,359,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2073: $3,360,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2074: $3,361,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2075: $3,362,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2076: $3,363,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2077: $3,364,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2078: $3,365,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2079: $3,366,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2080: $3,367,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2081: $3,368,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2082: $3,369,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2083: $3,370,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2084: 3, $371,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2085: $3,372,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2086: $3,373,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2087: $3,374,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2088: $3,375,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2089: $3,376,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2090: $3,377,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2091: 3, $378,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2092: $3,379,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2093: $3,380,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2094: 3, 381, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2095: $3,382,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2096: $3,383,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2097: $3,384,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2098: $3,385,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2099: $3,386,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2100: 3, $387,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2101: $3,388,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

2102: $3,389,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2103: $3,390,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2104: $3,391,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2105: $3,392,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2106: 3, $393,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2107: $3,394,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2108: 3, 395, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2109: $3,396,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2110: $3,397,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2111: $3,398,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2112: $3,399,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2113: $3,400,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2114: $3,401,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2115: $3,402,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2116: 3, 403, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2117: $3,404,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2118: $3,405,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2119: $3,406,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2120: $3,407,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2121: $3,408,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2122: 3, $409,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2123: 3, 410, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2124: $3,411,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2125: $3,412,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2126: $3,413,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2127: 3, 414, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,""
2128: $3,415,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2129: 3, 416, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2130: $3,417,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2131: $3,418,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2132: $3,419,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2133: $3,420,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2134: $3,421,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2135: $3,422,0,0,0,0,0,0, \theta, 0,0,0, \theta, \theta, 0,0,0,0,0,0,0, " "$
2136: 3, 423, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2137: $3,424,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2138: $3,425,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2139: $3,426,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2140: $3,427,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2141: $3,428,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2142: 3, 429, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2143: $3,430,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2144: $3,431,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2145: $3,432,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2146: 3, 433, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2147: $3,434,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2148: $3,435,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2149: $3,436,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2150: $3,437,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2151: $3,438,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2152: 3, 439, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2153: $3,440,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2154: 3, 441, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2155: 3, 442, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2156: $3,443,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2157: $3,444,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2158: $3,445,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2159: $3,446,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2160: $3,447,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2161: $3,448,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2162: 3, 449, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2163: $3,450,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2164: $3,451,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
2165: 3, 452, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

2166: $3,453,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2167: $3,454,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2168: $3,455,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2169: $3,456,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2170: $3,457,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2171: $3,458,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2172: $3,459,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2173: $3,460,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2174: 3, 461, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2175: $3,462,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2176: $3,463,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2177: 3, 464, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2178: $3,465,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2179: $3,466,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2180: $3,467,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2181: $3,468,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2182: $3,469,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2183: $3,470,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2184: 3, 471, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2185: $3,472,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2186: $3,473,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2187: $3,474,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2188: $3,475,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2189: $3,476,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2190: $3,477,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2191: $3,478,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2192: $3,479,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2193: 3, 480, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2194: $3,481,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2195: $3,482,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2196: $3,483,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2197: $3,484,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, " "$
2198: $3,485,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2199: 3, 486, $0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0, \theta, 0, " "$
2200: $3,487,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2201: $3,488,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2202: $3,489,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2203: 3, 490, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2204: $3,491,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2205: $3,492,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2206: 3, 493, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2207: $3,494,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2208: $3,495,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2209: $3,496,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2210: $3,497,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2211: $3,498,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2212: $3,499,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2213: $3,500, \theta, 0,0,0,0, \theta, \theta, 0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
2214: 3, $501,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2215: $3,502,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2216: $3,503,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2217: $3,504,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2218: $3,505,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2219: $3,506,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2220: $3,507,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2221: $3,508,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2222: 3, $509,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
2223: $3,510,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
2224: $3,511,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2225: 3, 512, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,""
2226: 3, $513,0,0,0,0,0, \theta, \theta, 0,0,0, \theta, \theta, 0,0,0,0,0, \theta, 0, " "$
2227: 3, $514,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2228: $3,515,0,0,0,0,0,0, \theta, 0,0,0, \theta, \theta, 0,0,0,0,0, \theta, 0, " "$
2229: 3, $516,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

2230: $3,517,0,0,0,0,0, \theta, \theta, 0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
2231: $3,518,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2232: $3,519,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2233: $3,520,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2234: $3,521,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2235: $3,522,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2236: $3,523,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2237: $3,524,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2238: 3, $525,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2239: $3,526,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2240: $3,527,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2241: $3,528,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
2242: $3,529,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2243: $3,530,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2244: 3, $531,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2245: $3,532,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2246: $3,533,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2247: 3, $534,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2248: 3, $535,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2249: $3,536,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2250: $3,537,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2251: $3,538,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2252: $3,539,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2253: 3, 540, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2254: 3, $541,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
2255: 3, $542,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2256: $3,543,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
2257: 3, $544,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2258: $3,545,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2259: $3,546,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2260: $3,547,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2261: $3,548,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2262: $3,549,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2263: $3,550,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2264: 3, $551,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2265: 3, 552, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2266: $3,553,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2267: $3,554,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2268: $3,555,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2269: 3, 556, $0,0,0,0,0,0,0,0,0,0, \theta, \theta, 0, \theta, 0,0,0, \theta, \theta, " "$
2270: 3, $557,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2271: $3,558,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2272: $3,559,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2273: $3,560,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2274: $3,561,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2275: $3,562,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2276: $3,563,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2277: $3,564,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2278: $3,565,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2279: $3,566,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2280: $3,567,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2281: $3,568,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2282: $3,569,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2283: $3,570,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2284: $3,571,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2285: $3,572,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2286: $3,573,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
2287: $3,574,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2288: $3,575,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2289: $3,576,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2290: $3,577,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2291: $3,578,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2292: $3,579,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
2293: $3,580,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

2294: $3,581,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2295: $3,582,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2296: $3,583,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2297: $3,584,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2298: $3,585,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2299: $3,586,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2300: $3,587,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2301: 3, 588, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2302: 3, $589,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2303: $3,590,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2304: $3,591,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2305: 3, $592,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2306: $3,593,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2307: $3,594,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2308: $3,595,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2309: $3,596,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2310: $3,597,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2311: $3,598,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2312: $3,599,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2313: $3,600,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2314: 3, $601,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
2315: $3,602,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2316: $3,603,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2317: $3,604,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2318: $3,605,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2319: $3,606,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2320: $3,607,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2321: $3,608,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2322: $3,609,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2323: $3,610,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2324: $3,611,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2325: 3, $612,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2326: $3,613,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2327: $3,614,0,0,0,0,0, \theta, \theta, 0,0,0, \theta, \theta, 0,0,0,0,0, \theta, 0, " "$
2328: $3,615,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2329: $3,616,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2330: $3,617,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2331: $3,618,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2332: $3,619,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2333: $3,620,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2334: 3, $621,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2335: 3, $622,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2336: $3,623,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2337: $3,624,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2338: $3,625,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2339: $3,626,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2340: $3,627,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2341: $3,628,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2342: $3,629,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2343: $3,630,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2344: $3,631,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2345: $3,632,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2346: $3,633,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2347: $3,634,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2348: $3,635,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2349: $3,636,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2350: $3,637,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2351: $3,638,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2352: $3,639,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2353: $3,640,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2354: $3,641,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2355: $3,642,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2356: $3,643,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2357: $3,644,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$


2422: $3,709,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2423: 3, $710,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2424: $3,711,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2425: $3,712,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2426: 3, $713,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2427: 3, 714, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2428: $3,715,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2429: $3,716,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2430: 3, 717, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2431: $3,718,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2432: $3,719,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2433: 3, $720,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2434: 4, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
2435: 4, $1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2436: 4, $2,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2437: 4, $3,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2438: $4,4,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2439: 4, $5,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2440: 4, $6,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2441: $4,7,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2442: 4, $8,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
2443: 4, $9,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2444: $4,10,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2445: 4, 11, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,{ }^{\prime}$
2446: 4, 12, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2447: 4, 13, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2448: 4, 14, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2449: 4, 15, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2450: 4, 16, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2451: $4,17,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, "$
2452: 4, 18, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2453: 4, 19, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2454: 4, 20, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2455: 4, 21, $0,0,0,0,0,0, \theta, 0,0, \theta, 0,0, \theta, 0,0,0, \theta, \theta, 0, " "$
2456: 4, 22, $0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0, " "$
2457: 4, 23, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2458: 4, 24, $0,0,0,0,0,0,0, \theta, 0,0,0,0, \theta, 0,0,0,0,0,0, " "$
2459: 4, 25, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2460: 4, $26,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2461: 4, 27, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2462: 4, 28, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2463: 4, 29, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2464: 4, $30,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, "$
2465: 4, 31, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2466: 4, $32,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2467: 4, 33, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2468: 4, $34,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2469: 4, $35,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2470: $4,36,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2471: $4,37,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2472: 4, $38,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2473: 4, 39, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2474: 4, 40, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2475: 4, 41, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2476: 4, $42,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2477: 4, 43, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2478: 4, 44, $0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
2479: 4, $45,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2480: $4,46,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2481: 4, 47, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2482: 4, 48, $0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0, " "$
2483: 4, 49, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2484: 4, $50,0,0,0,0,0,0, \theta, \theta, 0,0,0, \theta, \theta, 0, \theta, 0,0,0, \theta, " "$
2485: 4, 51, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

2486: 4, $52,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2487: 4, 53, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2488: 4, 54, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2489: 4, $55,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, '$
2490: 4, $56,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$,
2491: 4, $57,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2492: 4, $58,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2493: 4, 59, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2494: 4, $60,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2495: 4, $61,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2496: 4, $62,0,0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0,0,0,0, \theta, 0, " "$
2497: 4, 63, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2498: 4, 64, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2499: 4, 65, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2500: 4, $66,0,0,0,0,0,0, \theta, 0,0,0,0,0,0, \theta, \theta, 0,0,0, \theta, " "$
2501: 4, $67,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2502: 4, $68,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2503: 4, 69, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2504: 4, $70,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2505: 4, 71, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2506: 4, 72, $0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, \theta, 0,0,0,{ }^{\prime}$
2507: 4, $73,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2508: 4, 74, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, ""
2509: 4, 75, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2510: 4, $76,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2511: $4,77,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2512: 4, 78, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2513: 4, 79, $0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
2514: 4, $80,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2515: 4, $81,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2516: 4, $82,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2517: 4, $83,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0, " "$
2518: 4, $84,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2519: 4, $85,0,0,0, \theta, 0,0, \theta, 0, \theta, \theta, 0,0,0, \theta, \theta, 0,0,0, \theta, " "$
2520: 4, $86,0,0,0,0,0,0,0, \theta, 0,0,0,0, \theta, 0,0,0,0,0,0, " "$
2521: $4,87,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2522: 4, $88,0,0,0,0,0,0,0, \theta, 0,0,0,0, \theta, 0,0,0,0,0,0, " "$
2523: 4, $89,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2524: 4, $90,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2525: 4, $91,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2526: 4, $92,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2527: 4, $93,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2528: 4, $94,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2529: 4, $95,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2530: 4, $96,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2531: 4, $97,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2532: 4, $98,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0, " "$
2533: 4, $99,0,0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0,0,0,0, \theta, 0, " "$
2534: 4, 100, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2535: 4, 101, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2536: 4, 102, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2537: 4, 103, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2538: 4, 104, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2539: 4, 105, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2540: 4, 106, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2541: $4,107,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2542: 4, 108, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2543: 4, 109, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2544: 4, 110, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2545: 4, 111, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2546: 4, 112, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2547: 4, 113, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, ""
2548: 4, 114, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2549: 4, 115, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

2550: 4, 116, $0,0,0,0,0, \theta, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
2551: 4, 117, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2552: 4, 118, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2553: 4, 119, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2554: 4, 120, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2555: 4, 121, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2556: 4, 122, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2557: 4, 123, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2558: 4, 124, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2559: 4, $125,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2560: 4, 126, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2561: 4, 127, $0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
2562: 4, $128,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2563: 4, 129, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2564: 4, 130, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2565: 4, 131, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2566: 4, 132, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2567: 4, 133, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2568: 4, 134, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2569: 4, 135, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2570: 4, 136, $0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
2571: 4, 137, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2572: 4, 138, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2573: 4, 139, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2574: 4, 140, $0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
2575: 4, 141, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2576: 4, 142, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2577: 4, 143, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2578: 4, 144, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2579: 4, 145, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2580: 4, 146, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2581: $4,147,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2582: 4, 148, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2583: 4, 149, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2584: 4, 150, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2585: 4, 151, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2586: 4, 152, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2587: 4, 153, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2588: 4, 154, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2589: 4, 155, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2590: 4, 156, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2591: 4, 157, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2592: 4, 158, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2593: 4, 159, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2594: 4, 160, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2595: 4, 161, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2596: 4, 162, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2597: 4, 163, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2598: 4, 164, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2599: 4, 165, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2600: $4,166,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2601: 4, $167,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2602: 4, 168, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2603: 4, 169, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2604: 4, 170, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2605: 4, 171, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2606: 4, 172, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2607: 4, 173, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2608: 4, 174, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2609: 4, 175, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2610: 4, 176, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2611: 4, 177, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2612: 4, 178, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2613: 4, 179, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

2614: 4, 180, $0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
2615: 4, 181, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2616: 4, 182, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2617: 4, 183, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2618: 4, 184, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2619: 4, 185, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2620: 4, 186, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2621: 4, 187, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2622: 4, 188, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2623: 4, 189, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2624: 4, 190, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2625: 4, 191, $0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
2626: 4, 192, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2627: 4, 193, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2628: 4, 194, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2629: 4, 195, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2630: 4, 196, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2631: 4, 197, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2632: 4, 198, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2633: 4, 199, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2634: 4, 200, $0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
2635: 4, 201, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2636: 4, 202, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2637: 4, 203, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2638: 4, 204, $0,0,0,0,0, \theta, \theta, 0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
2639: 4, 205, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2640: 4, 206, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2641: 4, 207, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2642: 4, 208, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2643: 4, 209, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2644: 4, 210, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2645: 4, 211, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
2646: 4, 212, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2647: 4, 213, $0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
2648: 4, 214, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2649: 4, 215, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2650: 4, 216, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2651: 4, 217, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2652: 4, 218, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2653: 4, 219, $0,0,0,0,0,0,0,0,0,0, \theta, \theta, 0, \theta, 0,0,0, \theta, \theta, " "$
2654: 4, 220, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2655: 4, 221, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2656: 4, 222, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2657: 4, 223, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2658: 4, 224, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2659: 4, 225, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2660: 4, 226, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2661: 4, 227, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2662: 4, 228, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2663: 4, 229, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2664: 4, 230, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2665: 4, 231, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2666: 4, 232, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2667: 4, 233, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2668: 4, 234, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2669: 4, 235, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2670: 4, 236, $0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
2671: 4, 237, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2672: 4, 238, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2673: 4, 239, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2674: 4, $240,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2675: 4, 241, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2676: 4, 242, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2677: 4, 243, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

2678: 4, $244,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2679: 4, 245, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2680: 4, 246, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2681: 4, $247,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2682: 4, $248,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2683: 4, 249, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2684: 4, 250, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2685: 4, 251, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2686: 4, 252, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2687: 4, 253, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2688: 4, 254, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2689: 4, 255, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2690: 4, 256, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2691: 4, 257, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2692: 4, 258, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2693: 4, 259, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2694: 4, $260,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2695: 4, 261, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2696: 4, 262, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2697: 4, $263,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2698: 4, $264,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
2699: 4, $265,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
2700: 4, 266, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2701: 4, $267,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2702: 4, 268, $0,0,0,0,0, \theta, \theta, 0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
2703: 4, 269, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2704: 4, $270,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2705: 4, 271, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2706: 4, 272, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2707: 4, 273, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2708: 4, 274, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2709: 4, 275, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
2710: 4, $276,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2711: 4, 277, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2712: 4, 278, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2713: 4, 279, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2714: 4, $280,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2715: 4, 281, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2716: 4, $282,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2717: 4, 283, $0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
2718: 4, 284, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2719: 4, $285,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2720: 4, $286,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2721: 4, $287,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2722: 4, $288,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2723: 4, 289, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2724: 4, 290, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2725: 4, 291, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2726: 4, 292, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2727: 4, 293, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2728: 4, 294, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2729: 4, 295, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2730: 4, 296, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2731: 4, 297, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2732: 4, 298, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2733: 4, 299, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2734: 4, $300,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
2735: 4, 301, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2736: 4, $302,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2737: 4, 303, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2738: 4, $304,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2739: 4, $305,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2740: 4, $306, \theta, 0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
2741: $4,307,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

2742: 4, $308,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2743: 4, 309, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2744: 4, $310,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2745: 4, 311, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2746: 4, 312, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2747: 4, 313, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2748: 4, 314, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2749: 4, $315,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2750: 4, 316, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2751: 4, 317, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2752: 4, $318,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2753: 4, 319, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2754: 4, $320,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2755: 4, 321, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2756: 4, 322, $0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, " "$
2757: 4, 323, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2758: 4, 324, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2759: 4, 325, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2760: 4, 326, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2761: 4, $327,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2762: 4, $328,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2763: 4, 329, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2764: 4, 330, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2765: 4, 331, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2766: 4, 332, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2767: 4, $333,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2768: 4, $334,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2769: 4, $335,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2770: 4, $336,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2771: $4,337,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2772: 4, $338,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2773: 4, 339, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2774: 4, $340,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2775: 4, 341, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2776: 4, $342,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2777: 4, $343,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2778: 4, $344,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2779: 4, $345,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2780: 4, $346,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2781: $4,347,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2782: 4, 348, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2783: 4, 349, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2784: 4, 350, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2785: 4, 351, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2786: 4, $352,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2787: 4, 353, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2788: 4, $354,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2789: 4, 355, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2790: 4, $356,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2791: 4, $357,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2792: 4, $358,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2793: 4, 359, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2794: 4, $360,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2795: 4, 361, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2796: 4, 362, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2797: 4, $363,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2798: 4, $364,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2799: 4, $365,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2800: 4, $366,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2801: $4,367,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2802: 4, $368,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2803: 4, $369,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2804: 4, $370,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2805: 4, 371, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

2806: 4, $372,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2807: 4, $373,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2808: 4, $374,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2809: 4, $375,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2810: $4,376,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2811: 4, $377,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2812: 4, $378,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2813: 4, $379,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2814: 4, 380, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2815: 4, 381, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2816: 4, $382,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2817: 4, $383,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2818: 4, $384,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2819: 4, $385,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2820: 4, $386,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2821: 4, $387,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2822: 4, $388,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2823: 4, 389, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2824: 4, 390, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2825: 4, 391, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2826: 4, 392, $0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
2827: 4, 393, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2828: 4, $394,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2829: 4, 395, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2830: 4, 396, $0,0,0,0,0, \theta, \theta, 0,0,0, \theta, \theta, 0,0,0,0,0, \theta, 0, " "$
2831: 4, $397,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2832: 4, 398, $0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
2833: 4, 399, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2834: 4, 400, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2835: 4, 401, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2836: 4, 402, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2837: 4, 403, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2838: 4, 404, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2839: 4, 405, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2840: 4, 406, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2841: 4, 407, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2842: 4, 408, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2843: 4, 409, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2844: 4, 410, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2845: 4, 411, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2846: 4, 412, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2847: 4, 413, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2848: 4, 414, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2849: 4, $415,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2850: 4, 416, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2851: 4, 417, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2852: 4, 418, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2853: 4, 419, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2854: 4, 420, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2855: 4, 421, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2856: 4, 422, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2857: 4, 423, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2858: 4, 424, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2859: 4, 425, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2860: 4, 426, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2861: $4,427,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2862: 4, $428,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
2863: 4, 429, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2864: 4, 430, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2865: 4, 431, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2866: 4, 432, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2867: 4, 433, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2868: 4, 434, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2869: 4, 435, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

2870: 4, 436, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2871: 4, 437, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2872: 4, 438, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2873: 4, 439, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2874: 4, 440, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2875: 4, 441, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2876: 4, 442, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2877: 4, 443, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2878: 4, 444, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2879: 4, 445, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, ""
2880: 4, 446, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2881: 4, 447, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2882: 4, 448, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2883: 4, 449, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2884: 4, 450, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2885: 4, 451, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2886: 4, 452, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2887: 4, 453, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2888: 4, 454, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2889: 4, 455, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2890: 4, $456,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
2891: 4, 457, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2892: 4, 458, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2893: 4, 459, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2894: 4, 460, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2895: 4, 461, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2896: 4, 462, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2897: 4, 463, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2898: 4, 464, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2899: $4,465,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2900: $4,466,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2901: 4, $467,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2902: 4, 468, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2903: 4, 469, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2904: 4, 470, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2905: 4, 471, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2906: 4, 472, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2907: 4, 473, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2908: 4, 474, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2909: 4, 475, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2910: 4, 476, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2911: 4, 477, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2912: 4, $478,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2913: 4, 479, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2914: 4, 480, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2915: 4, 481, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2916: 4, 482, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2917: 4, 483, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2918: 4, 484, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2919: 4, 485, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2920: 4, 486, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2921: 4, 487, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2922: 4, 488, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2923: 4, 489, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2924: 4, 490, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2925: 4, 491, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2926: 4, 492, $0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
2927: 4, 493, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2928: 4, 494, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2929: 4, 495, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2930: 4, 496, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2931: 4, 497, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2932: 4, 498, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2933: 4, 499, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

2934: 4, $500,0,0,0,0,0, \theta, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
2935: 4, $501,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2936: 4, $502,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2937: 4, 503, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2938: 4, $504,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2939: 4, $505,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2940: 4, $506,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2941: 4, $507,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2942: 4, $508,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2943: 4, $509,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2944: 4, $510,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2945: 4, $511,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
2946: 4, $512,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2947: 4, $513,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2948: 4, $514,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2949: 4, $515,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2950: 4, $516,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2951: 4, $517,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2952: 4, $518,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2953: 4, $519,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2954: 4, $520,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
2955: 4, 521, $0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
2956: 4, $522,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2957: 4, $523,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2958: 4, $524,0,0,0,0,0, \theta, \theta, 0,0,0, \theta, \theta, 0,0,0,0,0, \theta, 0, " "$
2959: 4, $525,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2960: 4, $526,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2961: 4, $527,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2962: 4, $528,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2963: 4, 529, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2964: 4, $530,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2965: 4, $531,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
2966: 4, $532,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2967: 4, $533,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2968: 4, $534,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2969: 4, $535,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2970: 4, $536,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2971: 4, $537,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2972: 4, $538,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2973: 4, $539,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
2974: 4, $540,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2975: 4, 541, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2976: 4, $542,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2977: 4, $543,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2978: 4, $544,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2979: 4, $545,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2980: 4, $546,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2981: 4, $547,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2982: 4, $548,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2983: 4, $549,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2984: 4, $550,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2985: 4, $551,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2986: 4, 552, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2987: 4, 553, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2988: 4, $554,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2989: 4, $555,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2990: 4, $556,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
2991: 4, $557,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2992: 4, $558,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2993: 4, 559, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2994: 4, $560,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2995: 4, $561,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2996: 4, $562,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2997: 4, $563,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

2998: 4, $564,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2999: 4, $565,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3000: 4, $566,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3001: 4, $567,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3002: 4, $568,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3003: 4, $569,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3004: 4, $570,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3005: 4, 571, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3006: 4, $572,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3007: 4, $573,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3008: 4, $574,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3009: 4, 575, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3010: 4, $576,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3011: 4, $577,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3012: 4, $578,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3013: 4, $579,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3014: 4, 580, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3015: 4, $581,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3016: 4, $582,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3017: 4, 583, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3018: 4, $584,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
3019: 4, $585,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3020: 4, $586,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3021: 4, $587,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3022: 4, $588,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3023: 4, $589,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3024: 4, $590,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3025: 4, $591,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3026: 4, $592,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3027: 4, 593, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3028: 4, 594, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3029: 4, $595,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3030: 4, 596, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3031: 4, 597, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3032: 4, 598, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3033: 4, $599,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3034: 4, 600, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3035: 4, 601, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3036: 4, $602,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3037: 4, 603, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3038: 4, 604, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3039: 4, $605,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3040: 4,606,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3041: 4, $607,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3042: 4, $608,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3043: 4, 609, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3044: 4,610,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3045: 4, 611, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3046: 4, 612, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3047: 4, $613,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3048: 4, $614,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3049: 4, $615,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3050: 4, 616, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3051: 4, $617,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3052: 4, 618, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3053: 4, 619, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3054: 4, $620,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3055: 4, $621,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3056: 4, $622,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3057: 4, $623,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3058: 4, 624, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3059: 4, 625, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3060: 4, $626,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
3061: 4, 627, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

3062: 4, $628,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
3063: 4, 629, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3064: 4, $630,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3065: 4, 631, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3066: 4, 632, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3067: 4, 633, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3068: 4, 634, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3069: 4, $635,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3070: 4, $636,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3071: 4, $637,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3072: 4, 638, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3073: 4, 639, $0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
3074: 4, 640, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3075: 4, 641, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3076: 4, $642,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3077: 4, 643, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3078: 4, 644, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3079: 4, $645,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3080: 4, 646, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3081: 4, 647, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3082: 4, $648,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3083: 4, 649, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3084: 4, 650, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3085: 4, 651, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3086: 4, 652, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3087: 4, 653, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3088: 4, 654, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3089: 4, 655, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3090: 4, 656, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3091: 4, 657, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3092: 4, 658, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3093: 4, 659, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3094: 4, 660, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3095: 4, 661, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3096: 4, 662, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3097: 4, 663, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3098: 4, $664,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3099: 4, $665,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3100: $4,666,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3101: 4, $667,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3102: 4, 668, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3103: 4, 669, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3104: 4, $670,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3105: 4, 671, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3106: 4, 672, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3107: 4, 673, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3108: 4, 674, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3109: 4, $675,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3110: $4,676,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3111: 4, $677,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3112: 4, $678,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3113: 4, $679,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3114: 4, $680,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3115: 4, 681, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3116: 4, 682, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3117: $4,683,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3118: 4, $684,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
3119: 4, 685, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3120: $4,686,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3121: $4,687,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3122: 4, 688, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3123: 4, 689, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3124: 4, $690,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3125: 4, 691, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

3126: 4, 692, $0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
3127: 4, 693, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3128: 4, 694, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3129: 4, 695, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3130: $4,696,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3131: 4, 697, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3132: 4, 698, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3133: 4, 699, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3134: 4, 700, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3135: 4, 701, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3136: 4, 702, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3137: 4, 703, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3138: 4, 704, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3139: 4, 705, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3140: 4, $706,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3141: $4,707,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3142: $4,708,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3143: 4, 709, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3144: 4, 710, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3145: 4, 711, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3146: 4, 712, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3147: 4, 713, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3148: 4, $714,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3149: 4, 715, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3150: $4,716,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3151: 4, 717, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3152: 4, 718, $0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
3153: 4, 719, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3154: 4, $720,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3155: $5,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3156: $5,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3157: $5,2, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
3158: $5,3,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3159: $5,4,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3160: $5,5,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3161: $5,6,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3162: $5,7,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3163: 5,8, \theta, 0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3164: $5,9,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3165: $5,10,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, \theta, 0,0,0,0, " "$
3166: $5,11,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3167: $5,12,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3168: $5,13,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, "$
3169: 5, 14, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3170: $5,15,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3171: $5,16,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3172: $5,17,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3173: $5,18,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3174: $5,19,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3175: $5,2 \theta, 0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0, " "$
3176: $5,21,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0, " "$
3177: $5,22,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3178: $5,23,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3179: $5,24,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3180: $5,25,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3181: $5,26,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3182: $5,27,0,0,0,0,0,0,0,0,0, \theta, 0,0, \theta, 0,0,0,0,0,0, " "$
3183: $5,28,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3184: $5,29,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3185: $5,30,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3186: $5,31,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0, " "$
3187: $5,32,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3188: $5,33,0,0,0,0,0,0,0,0,0, \theta, 0,0, \theta, 0,0,0, \theta, \theta, 0, " "$
3189: $5,34,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

3190: $5,35,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3191: $5,36,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3192: $5,37,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$,
3193: $5,38,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, "$
3194: $5,39,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$,
3195: $5,40,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3196: $5,41,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3197: $5,42,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3198: $5,43,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$,
3199: $5,44,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3200: $5,45,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3201: $5,46,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3202: $5,47,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$,
3203: $5,48,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, "$
3204: 5, 49, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3205: $5,50,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3206: $5,51,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, "$
3207: 5, 52, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3208: $5,53,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3209: $5,54,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3210: $5,55,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, '$
3211: $5,56,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3212: $5,57,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3213: $5,58,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,{ }^{\prime}$
3214: $5,59,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
3215: $5,60,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3216: $5,61,0,0,0,0,0,0,0, \theta, 0,0,0,0, \theta, 0, \theta, 0,0,0,0, " "$
3217: $5,62,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3218: $5,63,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3219: $5,64,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, "$
3220: $5,65,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0$,
3221: $5,66,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3222: $5,67,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3223: $5,68,0,0,0,0, \theta, 0, \theta, \theta, 0, \theta, 0, \theta, \theta, 0,0,0, \theta, \theta, \theta, " "$
3224: $5,69,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3225: $5,70,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3226: $5,71,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3227: $5,72,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
3228: $5,73,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \cdots$
3229: $5,74,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3230: $5,75,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$,
$3231: 5,76,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$,
3232: $5,77,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \cdots$
3233: $5,78,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0$,
3234: $5,79,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3235: $5,80,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3236: $5,81,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3237: $5,82,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3238: $5,83,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3239: $5,84,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3240: 5,85,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3241: $5,86,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3242: $5,87,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3243: $5,88,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3244: $5,89,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3245: $5,90,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, \theta, 0, " "$
3246: $5,91,0,0,0,0,0,0,0,0,0, \theta, 0,0, \theta, 0,0,0,0,0,0, " "$
3247: $5,92,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3248: $5,93,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3249: $5,94,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3250: $5,95,0,0,0,0,0,0,0, \theta, 0,0,0,0, \theta, \theta, \theta, 0,0,0,0, " "$
3251: $5,96,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3252: $5,97,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3253: $5,98,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

3254: $5,99,0,0,0,0,0,0,0, \theta, 0,0,0,0, \theta, 0,0,0,0,0, \theta, " "$
3255: 5, 100, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3256: $5,101,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3257: $5,102,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3258: $5,103,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3259: $5,104,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3260: $5,105,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3261: $5,106,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3262: $5,107,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3263: $5,108,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3264: $5,109,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3265: $5,110,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
3266: $5,111,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3267: $5,112,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3268: $5,113,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3269: $5,114,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3270: $5,115,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3271: $5,116,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3272: $5,117,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, " "$
3273: $5,118,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3274: $5,119,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3275: $5,120,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3276: $5,121,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3277: $5,122,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3278: $5,123,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3279: $5,124,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3280: $5,125,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
3281: $5,126,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3282: $5,127,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3283: $5,128,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3284: 5, 129, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3285: $5,130,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3286: $5,131,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3287: $5,132,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3288: $5,133,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3289: $5,134,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3290: $5,135,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3291: $5,136,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3292: $5,137,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3293: $5,138,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3294: $5,139,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3295: $5,140,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3296: 5,141,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3297: $5,142,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3298: $5,143,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3299: $5,144,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3300: 5,145,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3301: $5,146,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3302: $5,147,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3303: $5,148,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3304: $5,149,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3305: $5,150,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3306: $5,151,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3307: $5,152,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3308: $5,153,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3309: $5,154,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3310: $5,155,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3311: 5,156,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3312: $5,157,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3313: $5,158,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3314: 5,159,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3315: $5,160,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3316: $5,161,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3317: $5,162,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

3318: $5,163,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3319: 5, 164, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3320: 5,165,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3321: $5,166,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3322: $5,167,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3323: 5,168,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3324: $5,169,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3325: $5,170,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3326: 5,171,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3327: $5,172,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3328: $5,173,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3329: 5, 174, $0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0, \theta, 0, " "$
$3330: 5,175,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3331: 5,176,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3332: $5,177,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3333: $5,178,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3334: 5,179,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3335: $5,180,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3336: 5,181,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3337: $5,182,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3338: $5,183,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3339: 5,184,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3340: $5,185,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3341: $5,186,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3342: 5,187,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3343: $5,188,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3344: $5,189,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3345: $5,190,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3346: 5,191,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3347: 5,192,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3348: $5,193,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3349: $5,194,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3350: 5,195,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3351: $5,196,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3352 : $5,197,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3353: $5,198,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3354: $5,199,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3355: $5,200,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3356: 5,201,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3357: 5,202,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3358: $5,203,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3359: $5,204,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3360: 5,205,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3361: $5,206,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3362: $5,207,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3363: $5,208,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3364: 5,209,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3365: $5,210,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3366: 5,211,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3367: 5,212,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3368: $5,213,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3369: $5,214,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3370: $5,215,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3371: 5, 216, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3372: $5,217,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3373: $5,218,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3374: 5, 219, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3375: 5,220,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3376: $5,221,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3377: 5,222,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3378: $5,223,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3379: $5,224,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3380: 5,225,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
3381: $5,226,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

3382: 5, 227, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3383: $5,228,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3384: $5,229,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3385: $5,230,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3386: $5,231,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3387: $5,232,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3388: $5,233,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3389: 5, 234, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3390: 5,235,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3391: $5,236,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3392: $5,237,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3393: $5,238,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
3394: $5,239,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3395: $5,240,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3396: $5,241,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3397: $5,242,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3398: $5,243,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3399: $5,244,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3400: $5,245,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3401: $5,246,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3402: $5,247,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3403: $5,248,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3404: $5,249,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3405: 5, 250, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3406: $5,251,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3407: $5,252,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3408: $5,253,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3409: $5,254,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3410: $5,255,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3411: $5,256,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3412: $5,257,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3413: $5,258,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3414: $5,259,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3415: $5,260,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3416: $5,261,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3417: $5,262,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3418: $5,263,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3419: $5,264,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3420: 5,265,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3421: $5,266,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3422: $5,267,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3423: $5,268,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3424: $5,269,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3425: 5, 270, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3426: $5,271,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3427: $5,272,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3428: $5,273,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3429: $5,274,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3430: 5,275,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3431: $5,276,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3432: $5,277,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3433: $5,278,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3434: $5,279,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3435: $5,280,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3436: $5,281,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3437: $5,282,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3438: $5,283,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3439: $5,284,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3440: 5,285,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " \cdot$
3441: $5,286,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3442: 5,287,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3443: $5,288,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3444: $5,289,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3445: 5, 290, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

3446: 5, 291, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3447: $5,292,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3448: $5,293,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3449: 5,294,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3450: $5,295,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3451: $5,296,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3452: $5,297,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3453: 5, 298, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3454: $5,299,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3455: $5,300,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3456: 5,301,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3457: $5,302,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
3458: $5,303,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3459: $5,304,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3460: $5,305,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3461: $5,306,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3462: $5,307,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3463: $5,308,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3464: $5,309,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3465: $5,310,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3466: $5,311,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3467: $5,312,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3468: $5,313,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3469: 5, 314, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3470: $5,315,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3471: $5,316,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3472: $5,317,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3473: $5,318,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3474: $5,319,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3475: 5,320,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3476: $5,321,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3477: 5,322,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3478: $5,323,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3479: $5,324,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3480: 5,325,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3481: $5,326,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3482: $5,327,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3483: $5,328,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3484: $5,329,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3485: $5,330,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3486: $5,331,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3487: $5,332,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3488: $5,333,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3489: $5,334,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3490: 5,335,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3491: 5,336,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3492: $5,337,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3493: $5,338,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3494: $5,339,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3495: $5,340,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3496: $5,341,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3497: $5,342,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3498: $5,343,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3499: $5,344,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3500: $5,345,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3501: $5,346,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3502: $5,347,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3503: $5,348,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3504: $5,349,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3505: $5,350,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3506: $5,351,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3507: $5,352,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3508: $5,353,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
3509: $5,354,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

3510: $5,355,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3511: $5,356,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3512: $5,357,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3513: $5,358,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3514: $5,359,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3515: $5,360,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3516: $5,361,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3517: $5,362,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3518: $5,363,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3519: $5,364,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3520: 5,365,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3521: $5,366,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
3522: $5,367,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3523: $5,368,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3524: $5,369,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3525: $5,370,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3526: $5,371,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3527: $5,372,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3528: $5,373,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3529: $5,374,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3530: 5,375,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3531: $5,376,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3532: $5,377,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3533: $5,378,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3534: $5,379,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
3535: $5,380,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3536: $5,381,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
3537: $5,382,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3538: $5,383,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3539: $5,384,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3540: $5,385,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3541: $5,386,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3542: $5,387,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3543: 5,388,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3544: $5,389,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3545: $5,390,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3546: $5,391,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3547: $5,392,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3548: $5,393,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3549: $5,394,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3550: $5,395,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3551: $5,396,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3552: $5,397,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3553: $5,398,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3554: $5,399,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3555: $5,400,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3556: $5,401,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3557: $5,402,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3558: $5,403,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3559: $5,404,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3560: $5,405,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3561: $5,406,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3562: $5,407,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3563: $5,408,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3564: $5,409,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3565: 5, 410, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3566: $5,411,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3567: $5,412,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3568: $5,413,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3569: $5,414,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3570: 5,415,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3571: $5,416,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3572: $5,417,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3573: $5,418,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

3574: $5,419,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3575: 5, 420, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3576: $5,421,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3577: $5,422,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3578: $5,423,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3579: $5,424,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3580: 5,425,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3581: $5,426,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3582: 5, 427, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3583: $5,428,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3584: $5,429,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3585: $5,430,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
3586: 5, 431, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3587: $5,432,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3588: $5,433,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3589: $5,434,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3590: 5,435,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3591: $5,436,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3592: $5,437,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3593: $5,438,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3594: $5,439,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3595: 5, 440, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3596: $5,441,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3597: $5,442,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3598: $5,443,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3599: $5,444,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3600: $5,445,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3601: $5,446,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3602: $5,447,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3603: $5,448,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3604: $5,449,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3605: $5,450,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3606: $5,451,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3607: $5,452,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3608: $5,453,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3609: $5,454,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3610: $5,455,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3611: $5,456,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3612: $5,457,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3613: $5,458,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3614: $5,459,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3615: $5,460,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3616: $5,461,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3617: $5,462,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3618: $5,463,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3619: $5,464,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3620: $5,465,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3621: $5,466,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3622: $5,467,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3623: $5,468,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3624: $5,469,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3625: $5,470,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3626: $5,471,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3627: $5,472,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3628: $5,473,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3629: $5,474,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3630: $5,475,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3631: $5,476,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3632: $5,477,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3633: $5,478,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3634: $5,479,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3635: $5,480,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3636: $5,481,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3637: $5,482,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

3638: $5,483,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3639: $5,484,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3640: 5,485,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3641: $5,486,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3642: $5,487,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3643: $5,488,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3644: $5,489,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3645: $5,490,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3646: $5,491,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3647: $5,492,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3648: $5,493,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3649: $5,494,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
3650: $5,495,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3651: $5,496,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3652: $5,497,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3653: $5,498,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3654: $5,499,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3655: $5,500,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3656: $5,501,0,0,0, \theta, 0, \theta, \theta, 0,0,0,0, \theta, 0, \theta, 0,0,0, \theta, \theta, " "$
3657: $5,502,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3658: $5,503,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
3659: $5,504,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3660: 5,505,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3661: $5,506,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3662: $5,507,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3663: $5,508,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3664: $5,509,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3665: $5,510,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3666: $5,511,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3667: $5,512,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3668: $5,513,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3669: 5, $514,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, " "$
$3670: 5,515,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3671: $5,516,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3672: $5,517,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3673: $5,518,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3674: $5,519,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3675: $5,520,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3676: $5,521,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3677: $5,522,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3678: $5,523,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3679: $5,524,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3680: $5,525,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3681: $5,526,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3682: 5, $527,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3683: $5,528,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3684: $5,529,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3685: 5, 530, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3686: $5,531,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3687: $5,532,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3688: $5,533,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3689: $5,534,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3690: $5,535,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3691: $5,536,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3692: $5,537,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3693: $5,538,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3694: $5,539,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3695: 5, 540, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3696: $5,541,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3697: $5,542,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3698: $5,543,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3699: $5,544,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3700: $5,545,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3701: 5,546,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

3702: $5,547,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3703: $5,548,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3704: $5,549,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3705: $5,550,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3706: $5,551,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3707: $5,552,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3708: $5,553,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3709: $5,554,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3710: $5,555,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3711: $5,556,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3712: $5,557,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3713: $5,558,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
3714: $5,559,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3715: $5,560,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3716: $5,561,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3717: $5,562,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3718: $5,563,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3719: $5,564,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3720: $5,565,0,0,0, \theta, 0, \theta, \theta, 0,0,0,0, \theta, 0, \theta, 0,0,0, \theta, \theta, " "$
3721: $5,566,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3722: $5,567,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
3723: $5,568,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3724: 5,569,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3725: 5, 570, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3726: $5,571,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3727: $5,572,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3728: $5,573,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
3729: 5, 574, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3730: $5,575,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3731: 5,576,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3732: $5,577,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3733: $5,578,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3734: $5,579,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3735: $5,580,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3736: 5,581,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3737: $5,582,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3738: $5,583,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3739: $5,584,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3740: 5,585,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3741: 5,586,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3742: $5,587,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3743: 5,588,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3744: 5,589,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3745: 5, 590, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3746: $5,591,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3747: $5,592,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3748: $5,593,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3749: $5,594,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3750: 5,595,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3751: $5,596,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3752: 5,597,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3753: 5, 598, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3754: $5,599,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3755: $5,600,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3756: $5,601,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3757: $5,602,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3758: $5,603,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
3759: $5,604,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3760: 5,605,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3761: $5,606,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3762: $5,607,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3763: $5,608,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3764: $5,609,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3765: 5, 610, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

3766: 5, 611, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, $0,0,0,0,0,0,0, " "$
3767: 5, $612,0,0,0,0,0,0,0,0,0, \theta, \theta, \theta, \theta, 0, \theta, 0,0,0,0, " "$
3768: 5, 613, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3769: 5, 614, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3770: 5, 615, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3771: 5, 616, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3772: 5, 617, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3773: 5, 618,0,0, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3774: 5, 619, $\theta, 0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, " "$
3775: 5, 620, $0,0,0,0,0, \theta, \theta, \theta, \theta, \theta, \theta, \theta, \theta, \theta, \theta, \theta, \theta, 0,0, " "$
3776: 5, 621, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, $0,0,0,0,0,0,0, " "$
3777: 5, $622,0,0,0,0,0,0,0,0,0,0, \theta, 0, \theta, \theta, \theta, 0,0,0,0, " "$
3778: 5, 623, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3779: 5, 624, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, $0,0,0,0,0,0,0, " "$
3780: 5, $625,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3781: 5, 626,0,0, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3782: 5, 627,0,0,0,0,0,0,0,0,0,0,0,0,0, $, 0,0,0,0,0, " "$
3783: 5, $628,0,0,0,0,0,0,0,0,0, \theta, \theta, \theta, \theta, \theta, \theta, 0,0,0,0, " "$
3784: 5, 629, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3785: 5, 630, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, $0,0,0,0,0,0,0, " "$
3786: 5, 631, $0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0, " "$
3787: 5, 632, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3788: 5, 633, $0,0,0,0,0,0,0,0, \theta, 0,0,0, \theta, 0, \theta, 0,0,0,0, " "$
3789: 5, 634, $0,0,0,0,0,0,0,0,0,0, \theta, 0, \theta, 0, \theta, 0,0,0,0, " "$
3790: 5, $635,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3791: 5, 636, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3792: 5, 637, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3793: 5, 638, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3794: 5,639,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,""
3795: 5, $640,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3796: 5, 641, $0,0,0,0,0,0,0,0,0, \theta, \theta, \theta, \theta, \theta, \theta, 0,0,0,0, " "$
3797: 5, 642, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3798: 5, 643, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, $0,0,0,0,0,0,0, " "$
3799: 5, 644, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, $0,0,0,0,0,0, " "$
3800: 5, 645, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3801: 5, 646, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3802: 5, 647, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3803: 5, 648,0,0, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3804: 5, 649, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, $0,0,0,0,0,0,0, " "$
3805: 5, 650, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3806: 5, 651, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3807: 5, 652,0,0,0,0,0,0,0,0,0,0,0,0,0,0, $0,0,0,0,0, " "$
3808: 5, 653, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3809: 5, 654, $0,0,0,0,0,0,0,0,0,0, \theta, \theta, \theta, 0,0,0,0,0,0, " "$
3810: 5, 655, $0,0,0,0,0,0,0,0,0,0, \theta, \theta, \theta, 0, \theta, 0,0,0,0, " "$
3811: 5, 656,0,0, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3812: 5, 657,0,0,0,0,0,0,0,0,0,0,0,0,0,0, $, 0,0,0,0, " "$
3813: 5, 658, $0,0,0,0,0,0,0,0,0,0, \theta, \theta, \theta, 0, \theta, 0,0,0,0, " "$
3814: 5, 659, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, $0,0,0,0,0,0,0, " "$
3815: 5, 660, $0,0,0,0,0,0,0,0,0, \theta, \theta, \theta, \theta, 0, \theta, 0,0,0,0, " "$
3816: 5, 661, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3817: $5,662,0,0,0,0,0,0,0, \theta, \theta, \theta, \theta, \theta, \theta, \theta, \theta, 0, \theta, 0,0, " "$
3818: 5, $663,0,0,0,0,0,0,0,0,0,0, \theta, 0, \theta, \theta, \theta, 0,0,0,0, " "$
3819: 5, 664, $0,0,0,0,0,0,0,0,0,0, \theta, 0, \theta, 0, \theta, 0,0,0,0, " "$
3820: 5, 665, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3821: 5, 666, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3822: 5, $667,0,0,0,0,0,0,0,0,0,0, \theta, \theta, \theta, \theta, \theta, 0,0,0,0, " "$
3823: 5, 668, $0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0, " "$
3824: 5, 669, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3825: 5, 670, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3826: 5, 671, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3827: 5, 672, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, $0,0,0,0,0,0,0, " "$
3828: 5, $673,0,0,0,0,0,0,0,0,0,0, \theta, 0, \theta, \theta, \theta, 0,0,0,0, " "$
3829: 5, $674,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

3830: $5,675,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3831: $5,676,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3832: $5,677,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3833: $5,678,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3834: 5,679,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3835: $5,680,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3836: $5,681,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3837: $5,682,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3838: $5,683,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3839: $5,684,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3840: $5,685,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3841: $5,686,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3842: $5,687,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3843: 5,688,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3844: $5,689,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3845: $5,690,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3846: 5,691,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3847: $5,692,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3848: $5,693,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3849: $5,694,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3850: 5,695,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3851: $5,696,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3852: $5,697,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3853: $5,698,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3854: $5,699,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3855: $5,700,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3856: $5,701,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3857: $5,702,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3858: $5,703,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3859: $5,704,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3860: $5,705,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3861: $5,706,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3862: $5,707,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3863: $5,708,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3864: $5,709,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3865: $5,710,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3866: $5,711,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3867: $5,712,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3868: $5,713,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3869: $5,714,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3870: $5,715,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3871: $5,716,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3872: $5,717,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3873: $5,718,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3874: $5,719,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3875: $5,720,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3876: $6,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3877: $6,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3878: $6,2,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3879: $6,3,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3880: $6,4,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3881: $6,5,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3882: $6,6,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3883: $6,7,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3884: $6,8,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3885: $6,9,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3886: $6,10,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3887: $6,11,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3888: $6,12,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3889: $6,13,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3890: $6,14,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0, " "$
3891: $6,15,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3892: $6,16,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3893: $6,17,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

3894: $6,18,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3895: $6,19,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3896: $6,20,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$,
3897: $6,21,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, "$
3898: $6,22,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$,
3899: $6,23,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3900: $6,24,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3901: $6,25,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3902: $6,26,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0, " "$
3903: $6,27,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3904: $6,28,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3905: 6, 29, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3906: $6,30,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3907: $6,31,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, "$
3908: $6,32,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3909: $6,33,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3910: $6,34,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, "$
3911: $6,35,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3912: $6,36,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3913: $6,37,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3914: $6,38,0,0,0,0,0,0,0,0,0, \theta, 0,0, \theta, 0,0,0, \theta, 0,0, " "$
3915: $6,39,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3916: $6,40,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3917: $6,41,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3918: $6,42,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3919: $6,43,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3920: $6,44,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0, \theta, 0,0,0,0, " "$
3921: $6,45,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3922: $6,46,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
3923: $6,47,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, "$
3924: $6,48,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3925: $6,49,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0, " "$
3926: $6,50,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3927: $6,51,0,0,0,0,0,0, \theta, 0,0, \theta, 0,0, \theta, 0,0,0, \theta, \theta, 0, " "$
3928: $6,52,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3929: $6,53,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3930: $6,54,0,0,0,0,0,0,0, \theta, 0,0,0,0, \theta, 0,0,0,0,0,0, " "$
3931: $6,55,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3932: $6,56,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3933: $6,57,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3934: $6,58,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3935: $6,59,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
3936: $6,60,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, "$
3937: $6,61,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
3938: $6,62,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3939: $6,63,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3940: $6,64,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3941: $6,65,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3942: $6,66,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3943: $6,67,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0, " "$
3944: $6,68,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3945: $6,69,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3946: $6,70,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3947: $6,71,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3948: $6,72,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3949: $6,73,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3950: $6,74,0,0,0,0, \theta, 0, \theta, \theta, 0, \theta, 0,0, \theta, 0, \theta, 0, \theta, 0,0, " "$
3951: $6,75,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3952: $6,76,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3953: $6,77,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3954: $6,78,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3955: $6,79,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3956: $6,80,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3957: $6,81,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

3958: $6,82, \theta, 0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0, " "$
3959: $6,83,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0, " "$
3960: $6,84,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
3961: $6,85,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, "$
3962: $6,86,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
3963: $6,87,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3964: $6,88,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3965: $6,89,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3966: $6,90,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3967: $6,91,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3968: $6,92,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0, " "$
3969: $6,93,0,0,0,0, \theta, 0, \theta, \theta, 0,0,0, \theta, \theta, 0, \theta, 0,0,0, \theta, " "$
3970: $6,94,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3971: $6,95,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0, " "$
3972: $6,96,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3973: $6,97,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3974: $6,98,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, '$
3975: $6,99,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3976: $6,100,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3977: $6,101,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3978: $6,102,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3979: $6,103,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3980: $6,104,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3981: $6,105,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3982: $6,106,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3983: $6,107,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3984: $6,108,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3985: $6,109,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3986: $6,110,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3987: $6,111,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3988: $6,112,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3989: $6,113,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3990: $6,114,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3991: $6,115,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3992: $6,116,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3993: $6,117,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3994: $6,118,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3995: $6,119,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3996: $6,120,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3997: $6,121,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3998: $6,122,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3999: $6,123,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4000: $6,124,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4001: $6,125,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4002: $6,126,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4003: $6,127,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4004: $6,128,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4005: $6,129,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4006: $6,130,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4007: $6,131,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4008: $6,132,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4009: $6,133,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4010: $6,134,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4011: $6,135,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4012: $6,136,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4013: $6,137,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4014: $6,138,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4015: $6,139,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4016: $6,140,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4017: $6,141,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4018: $6,142,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4019: $6,143,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4020: $6,144,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4021: $6,145,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

4022: $6,146,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4023: $6,147,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4024: $6,148,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4025: $6,149,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4026: $6,150,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4027: $6,151,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4028: $6,152,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4029: $6,153,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4030: $6,154,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4031: $6,155,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4032: $6,156,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4033: $6,157,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4034: $6,158,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4035: $6,159,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4036: $6,160,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4037: $6,161,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4038: $6,162,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4039: $6,163,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4040: $6,164,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4041: $6,165,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4042: $6,166,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4043: $6,167,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4044: $6,168,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4045: $6,169,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4046: $6,170,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
4047: $6,171,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4048: $6,172,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4049: $6,173,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4050: $6,174,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4051: $6,175,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4052: $6,176,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4053: $6,177,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4054: $6,178,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4055: $6,179,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4056: $6,180,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4057: $6,181,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4058: $6,182,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4059: $6,183,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4060: $6,184,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4061: $6,185,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4062: $6,186,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4063: $6,187,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4064: $6,188,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4065: $6,189,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4066: $6,190,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4067: $6,191,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4068: $6,192,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4069: $6,193,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4070: $6,194,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4071: $6,195,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4072: $6,196,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4073: $6,197,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4074: $6,198,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4075: $6,199,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4076: $6,200,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4077: $6,201,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4078: $6,202,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
4079: $6,203,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4080: $6,204,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4081: $6,205,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4082: $6,206,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4083: $6,207,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4084: $6,208,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
4085: $6,209,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

4086: $6,210,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4087: $6,211,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4088: $6,212,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4089: $6,213,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4090: $6,214,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4091: $6,215,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4092: $6,216,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4093: $6,217,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4094: $6,218,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4095: $6,219,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4096: $6,220,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4097: $6,221,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4098: $6,222,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4099: $6,223,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4100: $6,224,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4101: $6,225,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4102: $6,226,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
4103: $6,227,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4104: $6,228,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4105: $6,229,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4106: $6,230,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
4107: $6,231,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4108: $6,232,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4109: $6,233,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4110: $6,234,0,0,0,0,0, \theta, \theta, 0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
4111: $6,235,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4112: $6,236,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4113: $6,237,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4114: $6,238,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4115: $6,239,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4116: $6,240,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4117: $6,241,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4118: $6,242,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4119: $6,243,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
4120: $6,244,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4121: $6,245,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4122: $6,246,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4123: $6,247,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4124: $6,248,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4125: $6,249,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4126: $6,250,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, " "$
4127: $6,251,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4128: $6,252,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4129: $6,253,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4130: $6,254,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4131: $6,255,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4132: $6,256,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4133: $6,257,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4134: $6,258,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4135: $6,259,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4136: $6,260,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4137: $6,261,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4138: $6,262,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4139: $6,263,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4140: $6,264,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4141: $6,265,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4142: $6,266,0,0,0,0,0, \theta, 0,0, \theta, 0,0,0,0,0,0,0,0, \theta, 0, " "$
4143: $6,267,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4144: $6,268,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4145: $6,269,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4146: $6,270,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4147: 6, 271, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4148: $6,272,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
4149: $6,273,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

4150: $6,274,0,0,0,0,0, \theta, \theta, 0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
4151: $6,275,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4152: $6,276,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4153: $6,277,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4154: $6,278,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4155: $6,279,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4156: $6,280,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4157: $6,281,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4158: $6,282,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4159: $6,283,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4160: $6,284,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4161: $6,285,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
4162: $6,286,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4163: $6,287,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4164: $6,288,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4165: $6,289,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4166: $6,290,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4167: $6,291,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4168: $6,292,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4169: $6,293,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4170: $6,294,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
4171: $6,295,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4172: $6,296,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4173: $6,297,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4174: $6,298,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
4175: $6,299,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4176: $6,300,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4177: $6,301,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4178: $6,302,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4179: $6,303,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4180: $6,304,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4181: $6,305,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4182: $6,306,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4183: $6,307,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4184: $6,308,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4185: $6,309,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4186: $6,310,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4187: $6,311,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4188: $6,312,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4189: $6,313,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4190: $6,314,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4191: $6,315,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4192: $6,316,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4193: $6,317,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4194: $6,318,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4195: $6,319,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4196: $6,320,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
4197: $6,321,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4198: $6,322,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4199: $6,323,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4200: $6,324,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4201: $6,325,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4202: $6,326,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4203: $6,327,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4204: $6,328,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4205: $6,329,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4206: $6,330,0,0,0,0,0, \theta, 0,0, \theta, 0,0,0,0,0,0,0,0, \theta, 0, " "$
4207: $6,331,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4208: $6,332,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4209: $6,333,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4210: $6,334,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4211: $6,335,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4212: $6,336,0,0,0,0,0, \theta, 0,0, \theta, 0,0,0, \theta, 0,0,0,0, \theta, 0, " "$
4213: $6,337,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

4214: $6,338,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4215: $6,339,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4216: $6,340,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4217: $6,341,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4218: $6,342,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4219: $6,343,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4220: $6,344,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4221: $6,345,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4222: $6,346,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4223: $6,347,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4224: $6,348,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4225: $6,349,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
4226: $6,350,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4227: $6,351,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4228: $6,352,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4229: $6,353,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4230: $6,354,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4231: $6,355,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4232: $6,356,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4233: $6,357,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4234: $6,358,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4235: $6,359,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4236: $6,360,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4237: $6,361,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4238: $6,362,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
4239: $6,363,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4240: $6,364,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4241: $6,365,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4242: $6,366,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4243: $6,367,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4244: $6,368,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4245: $6,369,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
4246: $6,370,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4247: $6,371,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4248: $6,372,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4249: $6,373,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4250: $6,374,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4251: $6,375,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4252: $6,376,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4253: $6,377,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4254: $6,378,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4255: $6,379,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4256: $6,380,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4257: $6,381,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4258: $6,382,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4259: $6,383,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4260: $6,384,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4261: $6,385,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4262: $6,386,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4263: $6,387,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4264: $6,388,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4265: $6,389,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4266: $6,390,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4267: $6,391,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4268: $6,392,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4269: $6,393,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4270: $6,394,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4271: $6,395,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4272: $6,396,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4273: $6,397,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4274: $6,398,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4275: $6,399,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4276: $6,400,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4277: $6,401,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

4278: $6,402,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
4279: $6,403,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4280: $6,404,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4281: $6,405,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4282: $6,406,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4283: $6,407,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4284: $6,408,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4285: $6,409,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4286: $6,410,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4287: $6,411,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4288: $6,412,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4289: $6,413,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4290: $6,414,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4291: $6,415,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4292: $6,416,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4293: $6,417,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4294: $6,418,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4295: $6,419,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4296: $6,420,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4297: $6,421,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4298: $6,422,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
4299: $6,423,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4300: $6,424,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4301: $6,425,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4302: $6,426,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4303: $6,427,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4304: $6,428,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4305: $6,429,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4306: $6,430,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4307: $6,431,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4308: $6,432,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4309: $6,433,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4310: $6,434,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4311: $6,435,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4312: $6,436,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4313: $6,437,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4314: $6,438,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4315: $6,439,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4316: $6,440,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4317: $6,441,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4318: $6,442,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4319: $6,443,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4320: $6,444,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4321: $6,445,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4322: $6,446,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4323: $6,447,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4324: $6,448,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4325: $6,449,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4326: $6,450,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4327: $6,451,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4328: $6,452,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4329: $6,453,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4330: $6,454,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4331: $6,455,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4332: $6,456,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4333: $6,457,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4334: $6,458,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4335: $6,459,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4336: $6,460,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4337: $6,461,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4338: $6,462,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4339: $6,463,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4340: $6,464,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4341: $6,465,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

4342: $6,466,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4343: $6,467,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4344: $6,468,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4345: $6,469,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4346: $6,470,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4347: $6,471,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4348: $6,472,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4349: $6,473,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4350: $6,474,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4351: $6,475,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4352: $6,476,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, " "$
4353: $6,477,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4354: $6,478,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4355: $6,479,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4356: $6,480,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4357: $6,481,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4358: $6,482,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4359: $6,483,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4360: $6,484,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4361: $6,485,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4362: $6,486,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4363: $6,487,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4364: $6,488,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4365: $6,489,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4366: $6,490,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4367: $6,491,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4368: $6,492,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4369: $6,493,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4370: $6,494,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4371: $6,495,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4372: $6,496,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4373: $6,497,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4374: $6,498,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4375: $6,499,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4376: $6,500,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4377: 6, $501,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4378: $6,502,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4379: $6,503,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4380: $6,504,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4381: $6,505,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4382: $6,506,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4383: $6,507,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4384: $6,508,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4385: $6,509,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4386: $6,510,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4387: $6,511,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4388: $6,512,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4389: $6,513,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4390: $6,514,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4391: $6,515,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4392: $6,516,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4393: $6,517,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4394: $6,518,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4395: $6,519,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4396: $6,520,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4397: $6,521,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4398: $6,522,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4399: $6,523,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4400: $6,524,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4401: $6,525,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4402: $6,526,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4403: $6,527,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4404: $6,528,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, \theta, 0, " "$
4405: $6,529,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

4406: $6,530,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
4407: $6,531,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4408: $6,532,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4409: $6,533,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4410: $6,534,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4411: $6,535,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4412: $6,536,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4413: $6,537,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4414: $6,538,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4415: $6,539,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4416: $6,540,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4417: $6,541,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
4418: $6,542,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4419: $6,543,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4420: $6,544,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, " "$
4421: $6,545,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4422: $6,546,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4423: $6,547,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4424: $6,548,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4425: $6,549,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4426: $6,550,0,0,0,0,0,0, \theta, 0,0,0,0, \theta, 0, \theta, 0,0,0, \theta, 0, " "$
4427: $6,551,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4428: $6,552,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4429: $6,553,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4430: $6,554,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4431: $6,555,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4432: $6,556,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
4433: $6,557,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4434: $6,558,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4435: $6,559,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4436: $6,560,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4437: $6,561,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
4438: $6,562,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4439: $6,563,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
4440: $6,564,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4441: $6,565,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4442: $6,566,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4443: $6,567,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4444: $6,568,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4445: $6,569,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4446: $6,570,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4447: $6,571,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4448: $6,572,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4449: $6,573,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4450: $6,574,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4451: $6,575,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4452: $6,576,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4453: $6,577,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4454: $6,578,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4455: $6,579,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4456: $6,580,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4457: $6,581,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4458: $6,582,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4459: $6,583,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4460: $6,584,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4461: $6,585,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4462: $6,586,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
4463: $6,587,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4464: $6,588,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4465: $6,589,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4466: $6,590,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4467: $6,591,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4468: $6,592,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
4469: $6,593,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

4470: $6,594,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4471: $6,595,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4472: $6,596,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4473: $6,597,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4474: $6,598,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4475: $6,599,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4476: $6,600,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4477: $6,601,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4478: $6,602,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4479: $6,603,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4480: $6,604,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4481: $6,605,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
4482: $6,606,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4483: $6,607,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4484: $6,608,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4485: $6,609,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4486: $6,610,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4487: $6,611,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4488: $6,612,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4489: $6,613,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4490: $6,614,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
4491: $6,615,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4492: $6,616,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4493: $6,617,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4494: $6,618,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4495: $6,619,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4496: $6,620,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
4497: $6,621,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4498: $6,622,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4499: $6,623,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4500: $6,624,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
4501: $6,625,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4502: $6,626,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4503: $6,627,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4504: $6,628,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4505: $6,629,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4506: $6,630,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4507: $6,631,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4508: $6,632,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4509: $6,633,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4510: $6,634,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4511: $6,635,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4512: $6,636,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4513: $6,637,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
4514: $6,638,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4515: $6,639,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4516: $6,640,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4517: $6,641,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4518: $6,642,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4519: $6,643,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4520: $6,644,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4521: $6,645,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4522: $6,646,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4523: $6,647,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4524: $6,648,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4525: $6,649,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4526: $6,650, \theta, 0,0, \theta, 0,0, \theta, 0,0,0,0, \theta, 0, \theta, 0,0,0, \theta, 0, " "$
4527: $6,651,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4528: $6,652,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4529: $6,653,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4530: $6,654,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4531: $6,655,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4532: $6,656,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
4533: $6,657,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

4534: $6,658,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
4535: $6,659,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4536: $6,660,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4537: $6,661,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4538: $6,662,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4539: $6,663,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4540: $6,664,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4541: $6,665,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4542: $6,666,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4543: $6,667,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4544: $6,668,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4545: $6,669,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
4546: $6,670,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4547: $6,671,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4548: $6,672,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4549: $6,673,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4550: $6,674,0,0,0,0,0, \theta, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
4551: $6,675,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4552: $6,676,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4553: $6,677,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4554: $6,678,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
4555: $6,679,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
4556: $6,680,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4557: $6,681,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4558: $6,682,0,0,0,0,0, \theta, \theta, 0,0,0,0, \theta, 0,0,0,0,0, \theta, \theta, " "$
4559: $6,683,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4560: $6,684,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4561: $6,685,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4562: $6,686,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4563: $6,687,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4564: $6,688,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4565: $6,689,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4566: $6,690,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4567: $6,691,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4568: $6,692,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4569: $6,693,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4570: $6,694,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4571: $6,695,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
4572: $6,696,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4573: $6,697,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4574: $6,698,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4575: $6,699,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4576: $6,700,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4577: $6,701,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4578: $6,702,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4579: $6,703,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4580: $6,704,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4581: $6,705,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4582: $6,706,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4583: $6,707,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4584: $6,708,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4585: $6,709,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4586: $6,710,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4587: $6,711,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4588: $6,712,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4589: $6,713,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4590: $6,714,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
4591: $6,715,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4592: $6,716,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4593: $6,717,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4594: $6,718,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4595: $6,719,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4596: $6,720,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4597: 7, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

4598: 7, $1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, '$
4599: 7, 2, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
4600: 7, $3,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4601: $7,4,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4602: $7,5,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
4603: 7, $6,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
4604: $7,7,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4605: 7, $8,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, \theta, " "$
4606: 7, $9,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4607: $7,10,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4608: 7, 11, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4609: 7, 12, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4610: $7,13,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4611: $7,14,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,{ }^{\prime}$
4612: 7, 15, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4613: 7, 16, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4614: 7, 17, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, "$
4615: 7, 18, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4616: 7, 19, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4617: 7, $20,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4618: 7, 21, $0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0, \theta, 0,0,0,0$,
4619: 7, 22, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4620: 7, 23, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4621: 7, 24, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,{ }^{\prime}$
4622: 7, $25,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4623: 7, $26,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4624: 7, 27, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4625: 7, 28, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
4626: 7, 29, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4627: 7, $30,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, "$
4628: 7, 31, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$,
4629: 7, 32, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4630: 7, 33, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4631: 7, 34, $0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " '$
4632: 7, $35,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4633: 7, 36, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4634: 7, 37, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4635: 7, 38, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4636: 7, 39, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
4637: 7, 40, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4638: 7,41, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4639: 7, 42, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4640: $7,43,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,{ }^{\prime}$
4641: 7, 44, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$,
4642: 7, 45, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4643: 7, 46, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4644: 7, 47, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4645: 7, 48, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4646: 7, 49, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4647: 7, $50,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4648: 7, $51,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4649: 7, $52,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
4650: 7, $53,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4651: 7,54, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4652: 7, 55, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4653: 7, $56,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4654: 7, $57,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
4655: 7, $58,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4656: 7, $59,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4657: 7, 60, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4658: 7, $61,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4659: 7, 62, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

4661: $7,64,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

4662: 7, $65,0,0,0, \theta, 0,0, \theta, 0,0,0,0, \theta, 0, \theta, \theta, 0,0,0,0, " "$
4663: 7, $66,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0, " "$
4664: 7, $67,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$,
4665: $7,68,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, "$
4666: 7, 69, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$,
4667: 7, 70, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
4668: 7, 71, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4669: 7, 72, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4670: 7, 73, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$,
4671: 7, 74, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, "'"
4672: 7, 75, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
4673: 7, 76, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4674: 7, 77, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$,
4675: 7, 78, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,{ }^{\prime}$
4676: 7,79, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
4677: 7, $80,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4678: $7,81,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, "$
4679: 7, $82,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4680: 7, $83,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4681: 7, 84, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4682: $7,85,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, \theta, 0,0,0,{ }^{\prime}$
4683: 7, $86,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4684: 7, $87,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4685: $7,88,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, "$
4686: 7, $89,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4687: 7, $90,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4688: 7, $91,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4689: 7, $92,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " '$
4690: 7, $93,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4691: 7, $94,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4692: 7, $95,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4693: 7, $96,0,0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0,0,0,0, \theta, 0, " "$
4694: 7, $97,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4695: 7, $98,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0, " "$
4696: 7, $99,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4697: 7, 100, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4698: 7, 101, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4699: 7, 102, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4700: 7, 103, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4701: 7, 104, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4702: 7, 105, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4703: 7, 106, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4704: 7, 107, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4705: 7, 108, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4706: 7, 109, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4707: 7, 110, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4708: 7, 111, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4709: 7, 112, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,""
4710: 7, 113, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4711: 7, 114, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4712: 7, 115, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4713: 7, 116, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4714: 7, 117, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4715: 7, 118, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4716: 7, 119, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4717: 7, 120, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4718: 7, 121, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4719: $7,122,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4720: 7, 123, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4721: 7, 124, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4722: 7, 125, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4723: 7, 126, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4724: 7, 127, $0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0, \theta, 0, " "$
4725: 7, 128, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

4726: 7, 129, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
4727: 7, 130, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4728: 7, 131, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4729: 7, 132, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4730: 7, 133, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4731: 7, 134, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4732: 7, 135, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, ""
4733: 7, 136, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4734: 7, 137, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4735: 7, 138, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4736: 7, 139, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4737: 7, 140, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4738: 7, 141, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4739: 7, 142, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4740: 7, 143, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4741: 7, 144, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4742: 7, 145, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4743: 7, 146, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4744: 7, 147, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4745: 7, 148, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4746: 7, 149, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4747: 7, 150, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4748: 7, 151, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4749: 7, 152, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4750: 7, 153, $0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
4751: 7, 154, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4752: 7, 155, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4753: 7, 156, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4754: 7, 157, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4755: 7, 158, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4756: 7, 159, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4757: 7, 160, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4758: 7, 161, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4759: 7, 162, $0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
4760: 7, 163, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4761: 7, 164, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4762: 7, 165, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4763: 7, 166, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4764: 7, 167, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4765: 7, 168, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4766: 7, 169, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4767: 7, 170, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4768: 7, 171, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4769: 7, 172, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4770: 7, 173, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4771: $7,174,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4772: 7, 175, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4773: 7, 176, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4774: 7, 177, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4775: 7, 178, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4776: 7, 179, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4777: 7, 180, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4778: 7, 181, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4779: 7, 182, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4780: 7, 183, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4781: 7, 184, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4782: 7, 185, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4783: 7, 186, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4784: 7, 187, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4785: 7, 188, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4786: 7, 189, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4787: 7, 190, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4788: 7, 191, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4789: 7, 192, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

4790: 7, 193, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4791: 7, 194, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4792: 7, 195, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4793: 7, 196, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4794: 7, 197, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4795: 7, 198, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4796: 7, 199, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4797: 7, 200, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4798: 7, 201, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4799: 7, 202, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4800: 7, 203, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4801: 7, 204, $0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
4802: 7, 205, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4803: 7, 206, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4804: 7, 207, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4805: 7, 208, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4806: 7, 209, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4807: 7, 210, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4808: 7, 211, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4809: 7, 212, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4810: 7, 213, $0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
4811: 7, 214, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4812: 7, 215, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4813: 7, 216, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4814: 7, 217, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4815: 7, 218, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4816: 7, 219, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4817: 7, 220, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4818: 7, 221, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4819: 7, 222, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4820: 7, 223, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4821: 7, 224, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4822: 7, 225, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4823: 7, 226, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4824: 7, 227, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4825: 7, 228, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4826: 7, 229, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4827: 7, 230, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4828: 7, 231, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4829: 7, $232,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4830: 7, 233, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4831: 7, $234,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4832: 7, 235, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4833: 7, 236, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4834: 7, $237,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4835: 7, $238,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4836: 7, 239, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4837: 7, $240,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4838: 7, 241, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4839: 7, 242, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4840: 7, $243,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4841: 7, $244,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4842: 7, $245,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4843: 7, 246, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4844: 7, $247,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4845: 7, 248, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4846: 7, 249, $0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
4847: 7, 250, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4848: 7, 251, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4849: 7, 252, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4850: 7, 253, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4851: 7, 254, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4852: 7, 255, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4853: 7, 256, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

4854: 7, 257, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
4855: 7, 258, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4856: 7, 259, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4857: 7, $260,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4858: 7, $261,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4859: 7, $262,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4860: 7, $263,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4861: 7, $264,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4862: 7, $265,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4863: 7, 266, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4864: 7, $267,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4865: 7, 268, $0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
4866: 7, $269,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4867: 7, 270, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4868: 7, 271, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4869: 7, $272,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4870: 7, $273,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4871: 7, 274, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4872: 7, $275,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4873: 7, 276, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4874: 7, 277, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4875: 7, 278, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4876: 7, 279, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4877: 7, 280, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4878: 7, 281, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4879: 7, $282,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4880: 7, $283,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4881: 7, 284, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4882: 7, $285,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4883: 7, 286, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4884: 7, 287, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4885: 7, $288,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4886: 7, 289, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4887: 7, 290, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4888: 7, 291, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4889: 7, 292, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4890: 7, 293, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4891: 7, 294, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4892: 7, 295, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4893: 7, $296,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4894: 7, 297, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4895: 7, 298, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4896: 7, 299, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4897: 7, $300,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4898: 7, $301,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4899: 7, 302, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4900: 7, $303,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4901: 7, $304,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4902: 7, $305,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4903: 7, $306,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4904: 7, $307,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4905: 7, $308,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4906: 7, $309,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4907: 7, $310,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4908: 7, 311, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4909: 7, 312, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4910: 7, 313, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4911: $7,314,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4912: 7, $315,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4913: 7, 316, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4914: 7, 317, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4915: 7, $318,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4916: 7, 319, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4917: 7, 320, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

4918: 7, 321, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4919: 7, 322, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4920: 7, 323, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4921: 7, 324, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4922: 7, 325, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4923: 7, 326, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4924: 7, $327,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4925: 7, 328, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4926: 7, 329, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4927: 7, $330,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4928: 7, 331, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4929: 7, 332, $0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
4930: 7, $333,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4931: 7, 334, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4932: 7, $335,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4933: 7, $336,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4934: 7, $337,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4935: 7, 338, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4936: 7, $339,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4937: 7, $340,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4938: 7, 341, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4939: 7, $342,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4940: 7, $343,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4941: 7, $344,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4942: 7, $345,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4943: 7, $346,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4944: 7, $347,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4945: 7, $348,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4946: 7, $349,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4947: 7, $350,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4948: 7, 351, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4949: 7, $352,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4950: 7, 353, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4951: 7, 354, $0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
4952: 7, $355,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4953: 7, $356,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4954: 7, $357,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4955: 7, 358, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4956: 7, $359,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4957: 7, $360,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4958: 7, 361, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4959: 7, $362,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4960: 7, $363,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4961: 7, $364,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4962: 7, $365,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4963: 7, $366,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4964: 7, $367,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4965: 7, $368,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4966: 7, $369,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4967: 7, $370,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4968: 7, 371, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4969: 7, $372,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4970: 7, $373,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4971: 7, $374,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4972: 7, $375,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4973: 7, $376,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4974: 7, $377,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4975: 7, $378,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4976: 7, $379,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4977: 7, 380, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4978: 7, 381, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4979: 7, 382, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, ""
4980: 7, $383,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4981: 7, $384,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

4982: 7, $385,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4983: 7, $386,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4984: 7, $387,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4985: 7, $388,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4986: 7, 389, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4987: 7, $390,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4988: 7, 391, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4989: 7, $392,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4990: 7, 393, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4991: 7, 394, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4992: 7, 395, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4993: 7, $396,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4994: 7, $397,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4995: 7, $398,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4996: 7, 399, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4997: 7, 400, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4998: 7, 401, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4999: 7, 402, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5000: 7, 403, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5001: 7, 404, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5002: 7, 405, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5003: 7, 406, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5004: 7, 407, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5005: 7, 408, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5006: 7, 409, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5007: 7, 410, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5008: 7, 411, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5009: 7,412, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5010: 7, 413, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5011: 7, 414, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5012: 7, 415, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5013: 7, 416, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5014: 7, 417, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5015: 7, 418, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5016: 7, 419, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5017: 7, 420, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, ""
5018: 7, 421, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5019: 7, 422, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5020: 7, 423, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5021: 7, 424, $0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
5022: 7, 425, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5023: 7, 426, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, ""
5024: 7, 427, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5025: 7, 428, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5026: 7, 429, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5027: 7, 430, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5028: 7, 431, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5029: 7, 432, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5030: 7, 433, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5031: 7, 434, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5032: 7, 435, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5033: 7, 436, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5034: 7, 437, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5035: 7,438, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5036: 7, 439, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5037: 7, 440, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5038: 7,441, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5039: 7, 442, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5040: 7, 443, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5041: $7,444,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5042: 7, 445, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5043: 7, 446, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5044: 7, 447, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5045: 7, 448, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

5046: 7,449, $0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
5047: 7, 450, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5048: 7, 451, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5049: 7, 452, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5050: 7, 453, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5051: 7, 454, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5052: 7, 455, 0, 0, 0, 0, 0, 0, 0, 0, $0,0,0,0,0,0,0,0,0,0,0, " "$
5053: 7, 456, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5054: 7,457, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5055: 7, 458, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, ""
5056: 7, 459, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5057: 7, 460, $0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
5058: 7, 461, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5059: 7, 462, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5060: 7,463, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5061: 7, 464, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5062: 7, 465, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5063: 7, 466, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5064: 7, $467,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5065: 7, 468, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5066: 7,469, $0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
5067: 7, 470, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5068: 7, 471, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, ""
5069: 7, 472, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5070: 7, 473, $0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
5071: 7, 474, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5072: 7, 475, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5073: 7,476, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5074: 7, 477, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5075: 7, 478, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5076: 7,479, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5077: 7, 480, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5078: 7, 481, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5079: 7, 482, $0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
5080: 7, 483, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5081: 7, 484, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, $0, " "$
5082: 7, 485, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5083: 7, 486, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5084: 7, 487, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5085: 7, 488, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5086: 7, 489, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5087: 7, 490, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5088: 7, 491, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5089: 7, 492, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5090: 7, 493, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5091: 7, 494, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5092: 7, 495, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5093: 7, 496, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5094: 7, 497, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5095: 7, 498, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5096: 7, 499, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5097: 7, $500,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5098: 7, $501,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5099: 7, $502,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5100: 7, $503,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5101: 7, $504,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5102: 7, $505,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
5103: 7, $506,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5104: 7, $507,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5105: 7, $508,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5106: 7, 509, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5107: 7, 510, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5108: 7, $511,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5109: 7, 512, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

5110: 7, $513,0,0,0,0,0, \theta, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
5111: 7, $514,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5112: 7, $515,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5113: 7, 516, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5114: 7, $517,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5115: 7, $518,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5116: 7, $519,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5117: 7, $520,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5118: 7, $521,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5119: 7, $522,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5120: 7, $523,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
5121: 7, $524,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
5122: 7, $525,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5123: 7, $526,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5124: 7, $527,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5125: 7, $528,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5126: 7, $529,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
5127: 7, $530,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5128: 7, 531, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5129: 7, $532,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5130: 7, $533,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
5131: 7, 534, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,""
5132: 7, $535,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5133: 7, $536,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5134: 7, 537, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5135: 7, 538, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5136: 7, $539,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
5137: 7, 540, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5138: 7, $541,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5139: 7, $542,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5140: 7, $543,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5141: $7,544,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5142: 7, $545,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5143: 7, $546,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5144: 7, $547,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5145: 7, $548,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5146: 7, 549, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5147: 7,550, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5148: 7,551, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5149: 7,552, $0,0,0,0,0,0,0,0,0,0,0, \theta, 0, \theta, 0,0,0, \theta, \theta, " "$
5150: 7, 553, 0, 0, 0, 0, 0, 0, 0, 0, $0,0,0,0,0,0,0,0,0,0,0, " "$
5151: 7, 554, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5152: 7, 555, 0, 0, 0, 0, 0, 0, $0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5153: 7,556, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5154: 7, $557,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5155: 7, $558,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5156: 7, $559,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5157: 7, $560,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5158: 7, $561,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5159: 7, $562,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5160: 7, $563,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, " "$
5161: 7, $564,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5162: 7, $565,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5163: 7, $566,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5164: 7, $567,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5165: 7, $568,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5166: 7, $569,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
5167: 7, $570,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5168: 7, $571,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5169: 7, $572,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5170: 7, $573,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5171: 7, $574,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5172: 7, $575,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
5173: 7, 576, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,""

5174: 7, $577,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
5175: 7, $578,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5176: 7, $579,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5177: 7, $580,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5178: 7, $581,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5179: 7, $582,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5180: 7, 583, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5181: 7, 584, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,""
5182: 7, 585, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5183: 7, $586,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5184: 7, $587,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5185: 7, $588,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
5186: 7, $589,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5187: 7, 590, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5188: 7, $591,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5189: 7, $592,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5190: 7, 593, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5191: 7, $594,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5192: 7, $595,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5193: 7, $596,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5194: 7, $597,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
5195: 7, 598, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5196: 7, $599,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5197: 7, $600,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5198: 7, $601,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5199: 7, $602,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5200: 7, $603,0,0,0,0,0,0, \theta, 0,0,0,0, \theta, 0,0,0,0,0, \theta, \theta, " "$
5201: 7, $604,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5202: 7, $605,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5203: 7, $606,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5204: 7, $607,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5205: 7, $608,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5206: 7, 609, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5207: 7, $610,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5208: 7, $611,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5209: 7, 612, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, ""
5210: 7, $613,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5211: 7, $614,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5212: 7, $615,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5213: 7, $616,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, \theta, 0,0,0, \theta, \theta, " "$
5214: 7, 617, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5215: 7, $618,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5216: 7, $619,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5217: 7, $620,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5218: 7, $621,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5219: 7, $622,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5220: 7, $623,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5221: 7, $624,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5222: 7, 625, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5223: 7, $626,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5224: 7, $627,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5225: 7, $628,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5226: 7, $629,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
5227: 7, $630,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5228: 7, $631,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5229: 7, $632,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5230: 7, $633,0,0,0, \theta, 0,0, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
5231: 7, $634,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5232: 7, $635,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5233: 7, $636,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5234: 7, $637,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5235: 7, 638, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5236: 7, $639,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
5237: 7, 640, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,""

5238: 7, 641, $0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
5239: 7, $642,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5240: 7, 643, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5241: 7, $644,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5242: 7, $645,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5243: 7, $646,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5244: 7, 647, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5245: 7, $648,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5246: 7, $649,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5247: 7, 650, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5248: 7, $651,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5249: 7, 652, $0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
5250: 7, 653, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5251: 7, 654, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5252: 7, 655, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5253: 7, 656, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5254: 7, $657,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5255: 7, 658, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5256: 7, 659, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5257: 7, 660, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5258: 7, $661,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
5259: 7, $662,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5260: 7, $663,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5261: 7, $664,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5262: 7, $665,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5263: 7, $666,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5264: 7, $667,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5265: 7, $668,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5266: 7, 669, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5267: 7, 670, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5268: 7, $671,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5269: 7, $672,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5270: 7, $673,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5271: 7, $674,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5272: 7, $675,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5273: 7, 676, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5274: 7, $677,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5275: 7, $678,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5276: 7, $679,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5277: 7, $680,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5278: 7, 681, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5279: 7, $682,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5280: 7, 683, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5281: 7, $684,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5282: 7, 685, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5283: 7, $686,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5284: 7, $687,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5285: 7, 688, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5286: 7, 689, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5287: 7, 690, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5288: 7, 691, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5289: 7, $692,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5290: 7, $693,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5291: 7, $694,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5292: 7, 695, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5293: 7, 696, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5294: 7, $697,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
5295: 7, $698,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5296: 7, 699, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5297: 7, 700, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5298: 7, 701, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5299: 7, 702, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5300: 7, 703, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5301: 7, 704, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

5302: 7, 705, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5303: 7, 706, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5304: 7, 707, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5305: 7, 708, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5306: 7, 709, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5307: 7, 710, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5308: 7, 711, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5309: 7, 712, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5310: 7, 713, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5311: 7, 714, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,""
5312: 7, 715, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5313: 7, 716, $0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
5314: 7, 717, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5315: 7, 718, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5316: 7,719, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5317: 7, 720, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,""
5318: $8,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, " "$
5319: $8,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5320: $8,2,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5321: $8,3,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5322: $8,4,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, " "$
5323: $8,5,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5324: $8,6,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5325: 8, $7,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5326: $8,8,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5327: $8,9,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
5328: $8,10,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5329: 8, 11, $0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
5330: $8,12,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5331: $8,13,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, "$
5332: $8,14,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5333: $8,15,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, \theta, 0, " "$
5334: $8,16,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5335: $8,17,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0, " "$
5336: $8,18,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5337: $8,19,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5338: $8,2 \theta, 0,0,0,0,0,0,0, \theta, 0,0,0,0, \theta, 0,0,0,0,0,0, " "$
5339: $8,21,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5340: $8,22,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5341: $8,23,0,0,0,0,0,0, \theta, \theta, 0, \theta, 0,0, \theta, 0, \theta, 0,0, \theta, 0, " "$
5342: $8,24,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5343: 8, 25, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5344: $8,26,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, "$
5345: 8, 27, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5346: $8,28,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5347: $8,29,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5348: $8,30,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5349: $8,31,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0, " "$
5350: $8,32,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5351: $8,33,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5352: $8,34,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0, " "$
5353: $8,35,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5354: $8,36,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, \theta, 0,0,0,0, " "$
5355: $8,37,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5356: $8,38,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5357: $8,39,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5358: $8,40,0,0,0,0,0,0,0,0,0, \theta, 0,0, \theta, 0, \theta, 0, \theta, 0,0, " "$
5359: $8,41,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5360: $8,42,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0, " "$
5361: $8,43,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5362: $8,44,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0, " "$
5363: $8,45,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5364: $8,46, \theta, 0,0,0,0,0, \theta, \theta, 0, \theta, 0, \theta, \theta, \theta, \theta, 0,0, \theta, 0, " "$
5365: 8, 47, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,""

5366: $8,48, \theta, 0,0,0,0,0,0,0,0, \theta, 0,0, \theta, 0,0,0,0,0,0, " "$
5367: $8,49,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5368: $8,50,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$,
5369: $8,51,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, '$
5370: $8,52,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$,
5371: $8,53,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5372: $8,54,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5373: $8,55,0,0,0,0,0,0,0, \theta, 0,0,0,0, \theta, 0,0,0,0,0,0, " "$
5374: $8,56,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5375: $8,57,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5376: $8,58,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
5377: 8, 59, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5378: $8,60,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5379: 8, 61, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, "$
5380: 8, $62,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5381: $8,63,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5382: $8,64,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5383: 8, 65, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
5384: $8,66,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0, " "$
5385: $8,67,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5386: $8,68,0,0,0,0, \theta, 0, \theta, \theta, 0,0,0, \theta, \theta, 0, \theta, 0,0,0, \theta, " "$
5387: 8, $69,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5388: $8,70,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5389: 8, 71, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5390: $8,72,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5391: $8,73,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5392: $8,74,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0, \theta, 0,0,0,0, " "$
5393: 8, 75, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
5394: $8,76,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5395: $8,77,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5396: $8,78,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5397: $8,79,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5398: $8,80,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5399: $8,81,0,0,0,0, \theta, 0,0, \theta, 0,0,0,0, \theta, 0, \theta, 0, \theta, 0,0, " "$
5400: $8,82,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5401: $8,83,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5402: $8,84,0,0,0,0,0,0,0, \theta, 0,0,0,0, \theta, 0,0,0,0,0,0, " "$
5403: $8,85,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5404: $8,86,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
5405: $8,87,0,0,0,0,0,0, \theta, \theta, 0, \theta, 0,0, \theta, 0, \theta, 0,0, \theta, 0, " "$
5406: $8,88,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5407: $8,89,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5408: $8,90,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5409: $8,91,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5410: $8,92,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5411: $8,93,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5412: $8,94,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0, " "$
5413: $8,95, \theta, 0,0,0,0,0,0,0,0, \theta, 0,0, \theta, 0,0,0,0, \theta, 0, " "$
5414: $8,96,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5415: $8,97,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0, " "$
5416: $8,98,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0, " "$
5417: $8,99,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
5418: $8,100,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5419: $8,101,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5420: $8,102,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5421: $8,103,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5422: $8,104,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5423: $8,105,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5424: $8,106,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5425: $8,107,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5426: $8,108,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5427: $8,109,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5428: $8,110,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
5429: $8,111,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

5430: $8,112,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5431: $8,113,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5432: $8,114,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5433: $8,115,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5434: $8,116,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5435: $8,117,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5436: $8,118,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5437: $8,119,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5438: $8,120,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5439: $8,121,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5440: $8,122,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5441: $8,123,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5442: $8,124,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5443: $8,125,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5444: $8,126,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5445: $8,127,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5446: $8,128,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5447: $8,129,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5448: $8,130,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5449: $8,131,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5450: $8,132,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5451: $8,133,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5452: $8,134,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5453: $8,135,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5454: $8,136,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5455: $8,137,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5456: $8,138,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5457: 8, 139, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5458: $8,140,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5459: $8,141,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5460: $8,142,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5461: $8,143,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5462: $8,144,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5463: $8,145,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5464: $8,146,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5465: $8,147,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5466: $8,148,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5467: $8,149,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5468: $8,150,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5469: $8,151,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5470: $8,152,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5471: $8,153,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5472: $8,154,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5473: $8,155,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5474: $8,156,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5475: $8,157,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5476: $8,158,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5477: $8,159,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5478: $8,160,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5479: $8,161,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5480: $8,162,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5481: $8,163,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5482: $8,164,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5483: $8,165,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5484: $8,166,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5485: $8,167,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5486: $8,168,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5487: $8,169,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5488: $8,170,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5489: $8,171,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5490: $8,172,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5491: $8,173,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5492: $8,174,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5493: $8,175,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

5494: $8,176,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5495: $8,177,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5496: $8,178,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5497: $8,179,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5498: $8,180,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5499: $8,181,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5500: $8,182,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5501: $8,183,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
5502: $8,184,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5503: $8,185,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5504: $8,186,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5505: $8,187,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5506: $8,188,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5507: $8,189,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5508: $8,190,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5509: $8,191,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5510: $8,192,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5511: $8,193,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5512: $8,194,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5513: $8,195,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5514: $8,196,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0, \theta, 0, " "$
5515: $8,197,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5516: $8,198,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5517: $8,199,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5518: $8,200,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5519: $8,201,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

5521: $8,203,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5522: 8, 204, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5523: $8,205,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5524: $8,206,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5525: 8, 207, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
5526: $8,208,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5527: $8,209,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5528: 8, 210, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5529: 8, 211, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5530: $8,212,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5531: $8,213,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5532: $8,214,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5533: 8, 215, $0,0,0,0,0,0,0,0,0,0,0, \theta, 0, \theta, 0,0,0,0,0, " "$
5534: $8,216,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5535: 8, 217, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5536: 8, 218, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5537: 8, 219, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5538: $8,220,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5539: $8,221,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5540: $8,222,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5541: $8,223,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5542: $8,224,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5543: $8,225,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5544: $8,226,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5545: $8,227,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5546: $8,228,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5547: 8, 229, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5548: $8,230,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5549: $8,231,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5550: $8,232,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
5551: $8,233,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5552: $8,234,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5553: $8,235,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5554: $8,236,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5555: $8,237,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5556: $8,238,0,0,0,0,0, \theta, 0,0, \theta, 0,0,0, \theta, 0, \theta, 0,0, \theta, 0, " "$
5557: 8, 239, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

5558: $8,240,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
5559: 8, 241, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5560: $8,242,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5561: $8,243,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5562: $8,244,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5563: $8,245,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5564: $8,246,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5565: 8, 247, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5566: $8,248,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5567: $8,249,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5568: $8,250,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5569: 8, 251, $0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
5570: $8,252,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5571: $8,253,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5572: $8,254,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5573: $8,255,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5574: $8,256,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5575: 8, 257, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5576: $8,258,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5577: $8,259,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5578: $8,260,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
5579: 8, 261, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5580: $8,262,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5581: $8,263,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5582: $8,264,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5583: $8,265,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5584: $8,266,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
5585: 8, 267, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5586: $8,268,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5587: 8, 269, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5588: $8,270,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5589: $8,271,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5590: $8,272,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5591: $8,273,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5592: 8, 274, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5593: $8,275,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5594: $8,276,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5595: 8, 277, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5596: $8,278,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5597: 8, $279,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5598: $8,280,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5599: $8,281,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5600: $8,282,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5601: $8,283,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5602: $8,284,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5603: $8,285,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5604: $8,286,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5605: 8, 287, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5606: $8,288,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5607: $8,289,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5608: $8,290,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5609: $8,291,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5610: $8,292,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5611: $8,293,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5612: $8,294,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5613: $8,295,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5614: $8,296,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
5615: $8,297,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5616: $8,298,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5617: $8,299,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5618: $8,300,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5619: $8,301,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5620: $8,302,0,0,0,0,0, \theta, 0,0, \theta, 0,0,0, \theta, 0, \theta, 0,0, \theta, 0, " "$
5621: $8,303,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

5622: $8,304,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5623: $8,305,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5624: $8,306,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5625: $8,307,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5626: $8,308,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5627: $8,309,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5628: $8,310,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5629: $8,311,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5630: $8,312,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5631: $8,313,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5632: $8,314,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5633: $8,315,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5634: 8, 316, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5635: 8, 317, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5636: $8,318,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5637: $8,319,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5638: $8,320,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5639: $8,321,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5640: $8,322,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5641: $8,323,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5642: $8,324,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5643: $8,325,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5644: $8,326,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5645: 8, 327, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5646: $8,328,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
5647: $8,329,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5648: $8,330,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5649: 8, 331, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5650: $8,332,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5651: $8,333,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5652: $8,334,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5653: $8,335,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
5654: $8,336,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5655: 8, 337, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5656: $8,338,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5657: $8,339,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5658: $8,340,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5659: 8, 341, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5660: $8,342,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5661: $8,343,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5662: $8,344,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5663: $8,345,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5664: $8,346,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5665: $8,347,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5666: $8,348,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5667: $8,349,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5668: $8,350,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5669: $8,351,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5670: $8,352,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5671: $8,353,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5672: $8,354,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5673: $8,355,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5674: $8,356,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5675: $8,357,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5676: 8, $358,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5677: $8,359,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5678: $8,360,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5679: $8,361,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5680: $8,362,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5681: $8,363,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5682: $8,364,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5683: $8,365,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5684: $8,366,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5685: $8,367,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

5686: $8,368,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5687: $8,369,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5688: $8,370,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5689: $8,371,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5690: $8,372,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5691: $8,373,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5692: $8,374,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5693: $8,375,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5694: $8,376,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5695: $8,377,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5696: $8,378,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5697: $8,379,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5698: $8,380,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5699: $8,381,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5700: $8,382,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5701: $8,383,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5702: $8,384,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5703: $8,385,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5704: $8,386,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5705: $8,387,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5706: $8,388,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5707: $8,389,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5708: $8,390,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5709: $8,391,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5710: $8,392,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5711: $8,393,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5712: $8,394,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5713: 8, 395, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5714: $8,396,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5715: $8,397,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5716: $8,398,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5717: $8,399,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5718: $8,400,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5719: $8,401,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5720: $8,402,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5721: $8,403,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5722: $8,404,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5723: $8,405,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5724: $8,406,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5725: $8,407,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5726: $8,408,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5727: 8, 409, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5728: $8,410,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5729: $8,411,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5730: $8,412,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5731: $8,413,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5732: $8,414,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5733: $8,415,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5734: $8,416,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5735: $8,417,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5736: $8,418,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5737: $8,419,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5738: $8,420,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5739: 8, 421, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5740: $8,422,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5741: $8,423,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5742: $8,424,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5743: $8,425,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5744: $8,426,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5745: $8,427,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5746: $8,428,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5747: $8,429,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5748: $8,430,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5749: $8,431,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

5750: $8,432,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
5751: $8,433,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5752: $8,434,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5753: $8,435,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5754: $8,436,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5755: $8,437,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5756: $8,438,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5757: $8,439,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5758: $8,440,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5759: $8,441,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5760: $8,442,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5761: $8,443,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5762: $8,444,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5763: $8,445,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5764: $8,446,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5765: $8,447,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5766: $8,448,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5767: $8,449,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5768: $8,450,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5769: $8,451,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5770: $8,452,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5771: $8,453,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5772: $8,454,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5773: $8,455,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5774: $8,456,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5775: $8,457,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5776: $8,458,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5777: $8,459,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5778: $8,460,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5779: $8,461,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5780: $8,462,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5781: $8,463,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5782: $8,464,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5783: $8,465,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5784: $8,466,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5785: $8,467,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5786: $8,468,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5787: 8, 469, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5788: $8,470,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5789: 8, 471, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5790: $8,472,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5791: $8,473,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5792: $8,474,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5793: $8,475,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5794: $8,476,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5795: $8,477,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5796: $8,478,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5797: $8,479,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5798: $8,480,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5799: $8,481,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5800: $8,482,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5801: $8,483,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5802: $8,484,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5803: $8,485,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5804: $8,486,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5805: $8,487,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5806: $8,488,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5807: $8,489,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5808: $8,490,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5809: $8,491,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5810: $8,492,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5811: $8,493,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5812: $8,494,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
5813: $8,495,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

5814: $8,496,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5815: $8,497,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5816: $8,498,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5817: $8,499,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5818: $8,500,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5819: $8,501,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5820: $8,502,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5821: $8,503,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5822: $8,504,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5823: $8,505,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5824: $8,506,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5825: 8, $507,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5826: $8,508,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5827: $8,509,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5828: $8,510,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5829: 8, 511, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5830: $8,512,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5831: $8,513,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5832: 8, 514, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5833: $8,515,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5834: $8,516,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5835: 8, 517, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5836: $8,518,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5837: 8, 519, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5838: $8,520,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5839: $8,521,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5840: $8,522,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
5841: $8,523,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5842: 8, 524, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5843: $8,525,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5844: 8, $526,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5845: 8, $527,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
5846: $8,528,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5847: 8, $529,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5848: $8,530,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5849: $8,531,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5850: $8,532,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5851: $8,533,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5852: $8,534,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5853: $8,535,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
5854: 8, $536,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5855: 8, $537,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5856: $8,538,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5857: 8, $539,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5858: $8,540,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5859: $8,541,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5860: $8,542,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5861: $8,543,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5862: $8,544,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5863: $8,545,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5864: $8,546,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5865: $8,547,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5866: $8,548,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5867: 8, 549, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5868: $8,550,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5869: $8,551,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5870: $8,552,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
5871: $8,553,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5872: $8,554,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5873: $8,555,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5874: 8, 556, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5875: $8,557,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5876: $8,558,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5877: 8, 559, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,""

5878: $8,560,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5879: 8, $561,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5880: $8,562,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5881: $8,563,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5882: 8, $564,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5883: $8,565,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5884: $8,566,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5885: $8,567,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5886: $8,568,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5887: $8,569,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5888: $8,570,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5889: 8, $571,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5890: $8,572,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5891: $8,573,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5892: 8, $574,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5893: $8,575,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5894: $8,576,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5895: 8, $577,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5896: 8, $578,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5897: $8,579,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5898: $8,580,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5899: $8,581,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5900: $8,582,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5901: $8,583,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5902: $8,584,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
5903: $8,585,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5904: $8,586,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
5905: 8, $587,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5906: $8,588,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5907: $8,589,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5908: $8,590,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5909: $8,591,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5910: $8,592,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5911: $8,593,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5912: $8,594,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5913: $8,595,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5914: $8,596,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5915: $8,597,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5916: $8,598,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5917: $8,599,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
5918: $8,600,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5919: 8, $601,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5920: $8,602,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5921: $8,603,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5922: $8,604,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5923: $8,605,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5924: $8,606,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5925: 8, $607,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5926: $8,608,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5927: $8,609,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5928: $8,610,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5929: $8,611,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5930: $8,612,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5931: $8,613,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5932: $8,614,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5933: $8,615,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5934: $8,616,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5935: $8,617,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5936: $8,618,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5937: $8,619,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5938: $8,620,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5939: $8,621,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5940: $8,622,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
5941: $8,623,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

5942: $8,624,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
5943: $8,625,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5944: $8,626,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5945: $8,627,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5946: $8,628,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5947: 8, $629,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5948: $8,630,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5949: $8,631,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5950: $8,632,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5951: $8,633,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5952: $8,634,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5953: 8, $635,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
5954: $8,636,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5955: 8, 637, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5956: $8,638,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5957: $8,639,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5958: $8,640,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5959: $8,641,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5960: $8,642,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5961: $8,643,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5962: $8,644,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
5963: $8,645,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5964: $8,646,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5965: 8, 647, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5966: $8,648,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5967: $8,649,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5968: $8,650,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
5969: 8, 651, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5970: $8,652,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5971: $8,653,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5972: 8, 654, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5973: $8,655,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5974: $8,656,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5975: 8, 657, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5976: $8,658,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5977: $8,659,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5978: $8,660,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5979: 8, $661,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5980: $8,662,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5981: $8,663,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5982: 8, 664, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5983: 8, $665,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5984: $8,666,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5985: 8, $667,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5986: $8,668,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5987: $8,669,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5988: $8,670,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5989: $8,671,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5990: $8,672,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5991: $8,673,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5992: $8,674,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5993: $8,675,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5994: $8,676,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5995: 8, $677,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5996: $8,678,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5997: $8,679,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5998: $8,680,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
5999: $8,681,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
6000: $8,682,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
6001: $8,683,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
6002: $8,684,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
6003: $8,685,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
6004: $8,686,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
6005: $8,687,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

6006: $8,688,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
6007: $8,689,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
6008: $8,690,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
6009: $8,691,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
6010: $8,692,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
6011: $8,693,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
6012: $8,694,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
6013: $8,695,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
6014: $8,696,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
6015: $8,697,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
6016: $8,698,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
6017: 8, 699, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
6018: $8,700,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
6019: $8,701,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
6020: $8,702,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
6021: $8,703,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
6022: $8,704,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
6023: $8,705,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
6024: $8,706,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
6025: $8,707,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
6026: $8,708,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
6027: $8,709,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
6028: $8,710,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
6029: $8,711,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
6030: $8,712,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
6031: $8,713,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
6032: $8,714,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
6033: $8,715,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
6034: 8, 716, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
6035: 8, 717, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
6036: $8,718,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
6037: $8,719,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
6038: $8,720,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
6039: 0
6040: 6
6041: 9.14, 29.9, 29.8,30
6042: 7.32, 30.3, 30, 30.6
6043: 5.49, 30.5, 30.3, 30.8
6044: 3.66, 31, 30.8, 31.2
6045: 1.83,31.4,31.2,31.5
6046: 0,31,30.8,31.2
6047: 0
6048: "WQ Data",6
6049: 0,9.14, ,29.9, 343, ,6.3, , 813.25
6050: , 100, 21.25, 113.75, 7.91, , , , 99,
6051: ,,,7.78,, 50, 813.25 ,
6052: 135,9,3.375, 9.4,9.78,,,,
6053: ,,,,,,,,,
6054: 2, 7.32, ,30.3, 340, ,6.35, , , 627
6055: , 100,13.8,117,11.575, , , 99,
6056: ,,,7.77,,,50, ,627,
6057: 130.8,6.25,1.375, ,10.38,9.33,,,,
6058: ,,,,,,,,,,
6059: 3,5.49, $30.5,342,, 6.58,,, 538$
6060: , 100, ,118,11.21, ,, , 99.75,
6061: ,,,7.94, , 50, ,538,
6062: 116.5,6.25,2.25, $7.28,11.03,,$, ,
6063: ,,,,,,,,,,
6064: 5, 3.66, , 31, 335, ,7, , , 638
6065: ,100,7,94,14.675,,,,101,
6066: ,, ,8.03, , 50, ,638,
6067: 101,5,1.875, ,8.2,8.825,,, ,
6068: ,,,,,,,,,,
6069: 6,1.83, , 31.4, 343, , 7.1, , ,632

PortOfInola_Opt2b_Final_Summer.q2k

```
6070: ,100,,96,8,,,,103.25,
6071: ,,,8.02,,,50,,632,
6072: 80,10.75,11.25,,9.75,11.85,,,,
6073: ,,,,,,,,,,
6074: 8,0,,31,358,,8.5,,,644
6075: ,1711,9,92,22.625,,,,104.25,
6076: ,,,8.02,,,50,,644,
6077: 101,43.25,18.25,,9.5,9.85,,,,
6078: ,,,,,,,,>,
6079: "WQ Data Min",0
6080: "WQ Data Max",0
6081: 8
6082: 0
6083:
```


">>>>>>>>>>>> QUAL2Kw version 6 input data <<<<<<<<<<<<<<v60b08"
2: "Verdigris River","PortOfInola_Opt2b_Final_Winter",
"C:\QUAL2Kw_V6\WLA_Analysis_Scēnarios_2022̄̄613\Inola_WLA", "Verdigris River (11/1/2021)"
11,1,2021
4: -6,.000347,3.90625000001157E-03,30, "Repeating diel", 30, "Euler", "Brent", "No", "No", "Lumped", "No", "All", "Option 1","Yes", "No",4
5: 8,"Depth","Flow fraction (unitless)","Flow fraction (unitless)"
6: "", "Headwater", "Headwater", $9.144,0,158.907,36,7,28.58,95,34,11.23,0,45.72,0,0, .0000047, .05,0,0,0,0,0$, $.00001, .00001,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$
7: "Headwater","","", 8.8392,158.907,158.858,36,7,18.54,95,34,11.76, 0,45.72, 0, 0, .0000044, .05, 0, 0, 0, 0, 0, $.2, .2,0,0,0,0,0,0,3.82409177820268 \mathrm{E}-03,5.88321812031181 \mathrm{E}-03,10,0, .4, .650000000000001,0,0,0,0,0,0,1,0$
8: " ", "", "", 7.9248, 158.858,158.71,36,6, 28.26,95,34, 8.94, 0, 45.72, 0, 0, .0000042, .05, 0, 0, 0, 0, 0, .2, .2, 0, 0, 0, $0,0,0,3.82409177820268 \mathrm{E}-03,5.88321812031181 \mathrm{E}-03,10,0, .4, .650000000000001,0,0,0,0,0,0,1,0$
9: "","","", 6.4008, 158.71, 158.463, 36, 5, 49.83, 95, 33, 31.9, 0, 45.72, 0, 0, .0000034, .05, 0, 0, 3. 6576, 0, 0, .2, .2, 0, $0,0,0,0,0,3.82409177820268 \mathrm{E}-03,5.88321812031181 \mathrm{E}-03,10,0, .4, .650000000000001,0,0,0,0,0,0,1,0$
10: "", "","",4.8,158.463,158.203902887139, 36, 5, 4.75, 95, 33, 18.78, 0, 45.72, 0, 0, .0000025, .05, 0, 0, 4.2672, 0, 0, $.3, .2,0,0,0,0,0,0,3.82409177820268 \mathrm{E}-03,5.88321812031181 \mathrm{E}-03,10,0, .4, .650000000000001,0,0,0,0,0,0,1,0$
 $0,0, .3, .2,0,0,0,0,0,0,3.82409177820268 \mathrm{E}-03,5.88321812031181 \mathrm{E}-03,10,0, .4, .650000000000001,0,0,0,0,0,0$, 1,0
12: "","","",1.2192,157.871,157.6230528,36,3,43.04,95,32,32.33,0,45.72,0,0,.0000016,.05,0,0,6.096,0,0,.4, $.2,0,0,0,0,0,0,3.82409177820268 \mathrm{E}-03,5.88321812031181 \mathrm{E}-03,10,0, .4, .650000000000001,0,0,0,0,0,0,1,0$
13: "", "Newt Graham Lock and Dam","",.6096,157.6230528,151.2112, 36, 3, 31.82, 95, 32, 14.1, 0, 45.72, 0,0,.00001, $.05,0,0,9.144,0,0, .6, .2,0,0,0,0,4.683,54.864,3.82409177820268 \mathrm{E}-03,5.88321812031181 \mathrm{E}-03,10,0, .4$, $.650000000000001,0,0,0,0,0,0,1,0$
14: "Newt Graham Lock and Dam","","", $0,151.2112,151.205104,36,3,21.42,95,31,56.38,0,45.72,0,0, .00001, .05$, $0,0,3.6576,0,0, .1, .2,0,0,0,0,0,0,3.82409177820268 \mathrm{E}-03,5.88321812031181 \mathrm{E}-03,10,0, .4, .6500000000000001$, $0,0,0,0,0,0,1,0$
15: "","", "Terminus", 0, 151.205104, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, 0,0,0,0,0
16: -999,-999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, 999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, 999, -999, -999,-999
17: -999,-999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, 999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, 999, -999, -999, -999
18: -999,-999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, 999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, 999, -999, -999, -999
19: -999,-999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, 999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999,-999, -999,-999
20: -999,-999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, 999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, 999, -999, -999, -999
21: -999,-999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, 999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, 999, -999, -999, -999
22: -999,-999,-999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, 999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, 999, -999, -999, -999
23: -999,-999,-999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, 999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, 999, -999, -999, -999
24: -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999
25: -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999
26: -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999
27: -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999
28: -999, -999, -999, -999,-999,-999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999
29: -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999
30: -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999
31: -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999
32: -999,-999, 40, -999, -999
33: -999,-999, 40, -999,-999

```
PortOfInola_Opt2b_Final_Winter.q2k
```

Winter, Discharge Option 2

```
34: -999,-999,40,-999,-999
35: -999,-999,40,-999,-999
36: -999,-999,40,-999,-999
37: -999,-999,40,-999,-999
38: -999,-999,40,-999,-999
39: -999,-999,40,-999,-999
40: -999,-999,-999, -999,-999, -999,-999,-999,-999,-999, -999, -999, -999, -999,-999
41: -999,-999,-999,-999,-999,-999,-999,-999,-999,-999,-999,-999,-999,-999,-999
42: -999,-999,-999,-999,-999,-999,-999,-999,-999,-999,-999, -999,-999,-999,-999
43: -999,-999, -999,-999, -999,-999,-999,-999,-999, -999,-999,-999,-999,-999,-999
44: -999,-999,-999,-999,-999,-999,-999,-999,-999,-999,-999,-999,-999,-999,-999
45: -999,-999,-999,-999,-999,-999,-999,-999,-999,-999,-999,-999,-999,-999,-999
46: -999,-999,-999, -999, -999, -999,-999,-999, -999,-999, -999, -999, -999,-999,-999
47: -999,-999,-999,-999,-999,-999,-999,-999,-999,-999,-999,-999,-999,-999,-999
48: .47,.2,.0088,.054,.052,.174,.015
49: "Bras",2,.8,"Brunt",1.24,"Brady-Graves-Geyer",.65,2,"Eqn 1",.17, 2, "No"
50: 8
51: "InolaPort Domestic",4.79,0,0,0,3.50501092592593E-02,0,0,18,0,.6666666666666667
52: 0,0,0
53: 22.5,0,0
54: 2,0,.6666666666666667
55: 0,0,0
56: 66.125,0,.666666666666667
57: 3450,0,.666666666666667
58: 13800,0,.666666666666667
59: 0,0,0
60: 0,0,0
61: 0,0,0
62: 0,0,0
63: 22.5,0,0
64: 0,0,0
65: 0,0,0
66: 100,0,0
67: 7.94,0,.666666666666667
68: "Inola Domestic",4.79,0,0,0,1.75250546296296E-02,0,0,18,0,.666666666666667
69: 0,0,0
70: 22.5,0,0
71: 2,0,.6666666666666667
72: 0,0,0
73: 66.125,0,.666666666666667
74: 3450,0,.666666666666667
75: 13800,0,.666666666666667
76: 0,0,0
77: 0,0,0
78: 0,0,0
79: 0,0,0
80: 22.5,0,0
81: 0,0,0
82: 0,0,0
83: 100,0,0
84: 7.94,0,.666666666666667
85: "Inola Domestic New",4.79,0,0,0,1.75250546296296E-02,0,0,18,0,.6666666666666667
86: 0,0,0
87: 22.5,0,0
88: 2,0,.6666666666666667
89: 0,0,0
90: 66.125,0,.666666666666667
91: 3450,0,.6666666666666677
92: 13800,0,.6666666666666677
93: 0,0,0
94: 0,0,0
95: 0,0,0
96: 0,0,0
97: 22.5,0,0
```

```
PortOfInola_Opt2b_Final_Winter.q2k
Winter, Discharge Option 2
```

```
98: 0,0,0
99: 0,0,0
100: 100,0,0
101: 7.94,0,.666666666666667
102: "InolaPort Industrial",4.79,0,0,0,.289163401388889,0,0,18,0,.666666666666667
103: 0,0,0
104: 25,0,0
105: 2,0,0
106: 0,0,0
107: 140.185,0,.666666666666667
108: 0,0,.666666666666667
109: 5750,0,.666666666666667
110: 0,0,0
111: 0,0,0
112: 0,0,0
113: 0,0,0
114: 25,0,0
115: 0,0,0
116: 0,0,0
117: 100,0,0
118: 8,0,.666666666666667
119: "InolaPort Cooling",4.79,0,0,0,0,0,0,35,0,.666666666666667
120: 0,0,0
121: 20,0,0
122: 6,0,0
123: 0,0,0
124: 1.18,0,.666666666666667
125: 0,0,.666666666666667
126: 0,0,. }66666666666666
127: 0,0,0
128: 0,0,0
129: 0,0,0
130: 0,0,0
131: 0,0,0
132: 0,0,0
133: 0,0,0
134: 100,0,0
135: 7.6,0,.666666666666667
136: "Sofidel Discharge",8.5344,0,0,0,.131437909722222,0,0,18,0,.6666666666666667
137: 0,0,0
138: 40,0,0
139: 2,0,0
140: 240,0,0
141: 0,0,.666666666666667
142: 0,0,.666666666666667
143: 10000,0,.666666666666667
144: 0,0,0
145: 0,0,0
146: 0,0,0
147: 0,0,0
148: 40,0,0
149: 0,0,0
150: 0,0,0
151: 100,0,0
152: 7.565,0,.666666666666667
153: "Other WLA",4.79,0,0,0,.2283,0,0,18,0,.6666666666666667
154: 0,0,0
155: 0,0,0
156: 0,0,0
157: 0,0,0
158: 140.185,0,.666666666666667
159: 0,0,.666666666666667
160: 0,0,.666666666666667
161: 0,0,0
```

```
162: 0,0,0
163: 0,0,0
164: 0,0,0
165: 0,0,0
166: 0,0,0
167: 0,0,0
168: 100,0,0
169: 8,0,.666666666666667
170: "Cooling Withdrawal",4.79,0,0,0,0,0,0,18,0,.666666666666667
171: 0,0,0
172: 0,0,0
173: 0,0,.666666666666667
174: 0,0,0
175: 0,0,.666666666666667
176: 0,0,.666666666666667
177: 0,0,.666666666666667
178: 0,0,0
179: 0,0,0
180: 0,0,0
181: 0,0,0
182: 0,0,0
183: 0,0,0
184: 0,0,0
185: 100,0,0
186: 7.94,0,.6666666666666667
187: 0
188: 1.83412,54.1488,8.01092,.93161,100,.530195
189: 1.024,2.67,4.57,1.657908,.9803305
190: . 6,.6,.6,.6,.6,.075,1.0611317,.035,1.0029386,.25,1.0621019,.2536275,1.0522809,1.209431
191: .5,1.0554078,1.95,1.0570983,.74014,1.0535325,.26,1.0648809,1.8414455, 2,.2
192: 4,1.0466704,.063491,1.0681905,.15,1.0041692,13.08625,4.23204,.000048184123,80.1289
193: 27.66195,2.67,"Yes",1,1,"Zero-order",175,1.0650293,.1035704,.37308,1.004193,.1,1.0588014,.02,114.8
194: 1.0044233,209.592,26.14225,.00000752908,104.1438,28.65885,.408641,1.07,.26
195: 7.430688,3.87748,673.3685,71.234,1.206341,1.3537155,.31395,.54211
196: "Flow",.032831,.37152,2.3918,24.405,49.0375
197: .8,1.07,1,1,0,1.07,0,"No"
198: "Exponential","Exponential","Exponential","Exponential","Exponential", "Half saturation","Half
    saturation"
199: "User model",4.08331094825795,.917130559877088,-1.63352092117235,"None"
200: "Minimum","Minimum"
201: "Yes","Yes"
202: "Zero-order",5,1.047,.5,"Exponential",.6,.2,1.07,.05,1.07,15, 2, 25,100
203: 0
204: .FALSE.
205: 7.561,7.561,7.561,7.561,7.561,7.561,7.561,7.561,7.561,7.561,7.561,7.561,7.561,7.561,7.561,7.561,
    7.561,7.561,7.561,7.561,7.561,7.561,7.561,7.561,""
206: 18,18,18,18,18,18,18,18,18,18,18,18,18,18,18,18,18,18,18,18,18,18,18,18,""
207: 359,359,359,359,359,359,359,359,359,359,359,359,359,359,359,359,359,359,359,359,359,359,359,359,""
208: 7.2,7.2,7.2,7.2,7.2,7.2,7.2,7.2,7.2,7.2,7.2,7.2,7.2,7.2,7.2,7.2,7.2,7.2,7.2,7.2,7.2,7.2,7.2,7.2,""
209: 8.1442,8.1442,8.1442,8.1442,8.1442,8.1442,8.1442,8.1442,8.1442,8.1442,8.1442,8.1442,8.1442,8.1442,
    8.1442,8.1442,8.1442,8.1442,8.1442,8.1442,8.1442,8.1442,8.1442,8.1442,""
210: 0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,""
211: 3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,
    3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,""
212: 750,750,750,750,750,750,750,750,750,750,750,750,750,750,750,750,750,750,750,750,750,750,750,750,""
213: 105,105,105,105,105,105,105,105,105,105,105,105,105,105,105,105,105,105,105,105,105,105,105,105,""
214: 945,945,945,945,945,945,945,945,945,945,945,945,945,945,945,945,945,945,945,945,945,945,945,945,""
215: 126,126,126,126,126,126,126,126,126,126,126,126,126,126,126,126,126,126,126,126,126,126,126,126,""
216: 126,126,126,126,126,126,126,126,126,126,126,126,126,126,126,126,126,126,126,126,126,126,126,126,""
217: 9.86,9.86,9.86,9.86,9.86,9.86,9.86,9.86,9.86,9.86,9.86,9.86,9.86,9.86,9.86,9.86,9.86,9.86,9.86,9.86,
    9.86,9.86,9.86,9.86,""
218: 1.8,1.8,1.8,1.8,1.8,1.8,1.8,1.8,1.8,1.8,1.8,1.8,1.8,1.8,1.8,1.8,1.8,1.8,1.8,1.8,1.8,1.8,1.8,1.8,""
219: 0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,""
220: 0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,""
```

221: $111,111,111,111,111,111,111,111,111,111,111,111,111,111,111,111,111,111,111,111,111,111,111,111, " "$
222: $7.85,7.85,7.85,7.85,7.85,7.85,7.85,7.85,7.85,7.85,7.85,7.85,7.85,7.85,7.85,7.85,7.85,7.85,7.85,7.85$, $7.85,7.85,7.85,7.85, " "$
223: $1,1,1,1,1,1,1, .201793696585124,2.01758446068287 \mathrm{E}-02,2.01758446068288 \mathrm{E}-02,2.01758446068286 \mathrm{E}-02$, $2.01758446068287 \mathrm{E}-02,2.01758446068286 \mathrm{E}-02,2.01758446068287 \mathrm{E}-02,2.01758446068286 \mathrm{E}-02$, $2.01758446068289 \mathrm{E}-02,2.01758446068285 \mathrm{E}-02,2.01758446068286 \mathrm{E}-02,3.27070951226306 \mathrm{E}-02, .535632699135298$, 1,1,1,1,""
224: $1,1,1,1,1,1,1, .201793696585124,2.01758446068287 \mathrm{E}-02,2.01758446068288 \mathrm{E}-02,2.01758446068286 \mathrm{E}-02$, $2.01758446068287 \mathrm{E}-02,2.01758446068286 \mathrm{E}-02,2.01758446068287 \mathrm{E}-02,2.01758446068286 \mathrm{E}-02$, $2.01758446068289 \mathrm{E}-02,2.01758446068285 \mathrm{E}-02,2.01758446068286 \mathrm{E}-02,3.27070951226306 \mathrm{E}-02, .535632699135298$, 1,1,1,1,""
225: 1, 1, 1, 1, 1, 1, 1,. 121058522461585, 2.01758446068287E-02, 2.01758446068288E-02, 2.01758446068286E-02, $2.01758446068287 \mathrm{E}-02,2.01758446068286 \mathrm{E}-02,2.01758446068287 \mathrm{E}-02,2.01758446068286 \mathrm{E}-02$, $2.01758446068289 \mathrm{E}-02,2.01758446068285 \mathrm{E}-02,2.01758446068286 \mathrm{E}-02,2.48307093937154 \mathrm{E}-02, .45940614732911$, 1,1,1,1,""
226: $1,1,1,1,1,1,1, .197386281433723,2.01758446068287 \mathrm{E}-02,2.01758446068288 \mathrm{E}-02,2.01758446068286 \mathrm{E}-02$, $2.01758446068287 \mathrm{E}-02,2.01758446068286 \mathrm{E}-02,2.01758446068287 \mathrm{E}-02,2.01758446068286 \mathrm{E}-02$, $2.01758446068289 \mathrm{E}-02,2.01758446068285 \mathrm{E}-02,2.01758446068286 \mathrm{E}-02,3.02603499129488 \mathrm{E}-02, .535632699135298$, 1,1,1,1,""
227: 1, 1, 1, 1, 1, 1, 1,.133237203883434, 2.01758446068287E-02, 2.01758446068288E-02, 2.01758446068286E-02, $2.01758446068287 \mathrm{E}-02,2.01758446068286 \mathrm{E}-02,2.01758446068287 \mathrm{E}-02,2.01758446068286 \mathrm{E}-02$, $2.01758446068289 \mathrm{E}-02,2.01758446068285 \mathrm{E}-02,2.01758446068286 \mathrm{E}-02,2.61318757361153 \mathrm{E}-02, .478124403460442$, 1,1,1,1,""
228: $1,1,1,1,1,1,1,6.58526474464715 \mathrm{E}-02,2.01758446068287 \mathrm{E}-02,2.01758446068288 \mathrm{E}-02,2.01758446068286 \mathrm{E}-02$, $2.01758446068287 \mathrm{E}-02,2.01758446068286 \mathrm{E}-02,2.01758446068287 \mathrm{E}-02,2.01758446068286 \mathrm{E}-02$, $2.01758446068289 \mathrm{E}-02,2.01758446068285 \mathrm{E}-02,2.01758446068286 \mathrm{E}-02,2.01758446068287 \mathrm{E}-02, .276964176159862$, 1,1,1,1,""
229: 1, 1, 1, 1, 1, 1, 1, 6. 58526474464715E-02, 2.01758446068287E-02, 2.01758446068288E-02, 2.01758446068286E-02, $2.01758446068287 \mathrm{E}-02,2.01758446068286 \mathrm{E}-02,2.01758446068287 \mathrm{E}-02,2.01758446068286 \mathrm{E}-02$, $2.01758446068289 \mathrm{E}-02,2.01758446068285 \mathrm{E}-02,2.01758446068286 \mathrm{E}-02,2.01758446068287 \mathrm{E}-02, .276964176159862$, 1,1,1,1,""
230: $1,1,1,1,1,1,1,6.58526474464715 \mathrm{E}-02,2.01758446068287 \mathrm{E}-02,2.01758446068288 \mathrm{E}-02,2.01758446068286 \mathrm{E}-02$, $2.01758446068287 \mathrm{E}-02,2.01758446068286 \mathrm{E}-02,2.01758446068287 \mathrm{E}-02,2.01758446068286 \mathrm{E}-02$, $2.01758446068289 \mathrm{E}-02,2.01758446068285 \mathrm{E}-02,2.01758446068286 \mathrm{E}-02,2.01758446068287 \mathrm{E}-02, .276964176159862$, 1,1,1,1,""
231: 16.1296296296298,15.1944444444446,14.2592592592593,13.3240740740739, 12.3888888888887, $13.3240740740739,14.2592592592593,15.1944444444446,16.1296296296298,17.0648148148149$, $18.0000000000001,18.9351851851852,19.8703703703704,20.8055555555555,21.7407407407407$, $22.6759259259258,23.611111111111,22.6759259259258,21.7407407407407,20.8055555555555,19.8703703703704$, 18.9351851851852,18.0000000000001, 17.0648148148149, ""

232: 16.1296296296298,15.1944444444446,14.2592592592593,13.3240740740739,12.3888888888887, $13.3240740740739,14.2592592592593,15.1944444444446,16.1296296296298,17.0648148148149$, $18.0000000000001,18.9351851851852,19.8703703703704,20.8055555555555,21.7407407407407$, $22.6759259259258,23.611111111111,22.6759259259258,21.7407407407407,20.8055555555555,19.8703703703704$, 18.9351851851852,18.0000000000001,17.0648148148149, ""

233: 16.1296296296298,15.1944444444446,14.2592592592593,13.3240740740739, 12.3888888888887, $13.3240740740739,14.2592592592593,15.1944444444446,16.1296296296298,17.0648148148149$, $18.0000000000001,18.9351851851852,19.8703703703704,20.8055555555555,21.7407407407407$, $22.6759259259258,23.611111111111,22.6759259259258,21.7407407407407,20.8055555555555,19.8703703703704$, 18.9351851851852,18.0000000000001,17.0648148148149, ""

234: 16.1296296296298,15.1944444444446,14.2592592592593,13.3240740740739,12.3888888888887, $13.3240740740739,14.2592592592593,15.1944444444446,16.1296296296298,17.0648148148149$, $18.0000000000001,18.9351851851852,19.8703703703704,20.8055555555555,21.7407407407407$, $22.6759259259258,23.611111111111,22.6759259259258,21.7407407407407,20.8055555555555,19.8703703703704$, 18.9351851851852,18.0000000000001, 17.0648148148149, ""

235: 16.1296296296298,15.1944444444446,14.2592592592593,13.3240740740739,12.3888888888887, $13.3240740740739,14.2592592592593,15.1944444444446,16.1296296296298,17.0648148148149$, $18.0000000000001,18.9351851851852,19.8703703703704,20.8055555555555,21.7407407407407$, $22.6759259259258,23.611111111111,22.6759259259258,21.7407407407407,20.8055555555555,19.8703703703704$, 18.9351851851852,18.0000000000001,17.0648148148149, ""

236: 16.1296296296298,15.1944444444446,14.2592592592593,13.3240740740739, 12.3888888888887, $13.3240740740739,14.2592592592593,15.1944444444446,16.1296296296298,17.0648148148149$, $18.0000000000001,18.9351851851852,19.8703703703704,20.8055555555555,21.7407407407407$, $22.6759259259258,23.611111111111,22.6759259259258,21.7407407407407,20.8055555555555,19.8703703703704$, 18.9351851851852,18.0000000000001,17.0648148148149, " "

237: 16.1296296296298,15.1944444444446,14.2592592592593,13.3240740740739,12.3888888888887, $13.3240740740739,14.2592592592593,15.1944444444446,16.1296296296298,17.0648148148149$, $18.0000000000001,18.9351851851852,19.8703703703704,20.8055555555555,21.7407407407407$, $22.6759259259258,23.611111111111,22.6759259259258,21.7407407407407,20.8055555555555,19.8703703703704$, 18.9351851851852,18.0000000000001,17.0648148148149,""

238: 16.1296296296298,15.1944444444446,14.2592592592593,13.3240740740739,12.38888888888887, $13.3240740740739,14.2592592592593,15.1944444444446,16.1296296296298,17.0648148148149$, 18.0000000000001,18.9351851851852,19.8703703703704, 20.8055555555555, 21.7407407407407, $22.6759259259258,23.611111111111,22.6759259259258,21.7407407407407,20.8055555555555,19.8703703703704$, 18.9351851851852,18.0000000000001,17.0648148148149,""

239: 13.9962962962964,13.4944444444445,12.9925925925926,12.4907407407406,11.9888888888888, $12.4907407407406,12.9925925925926,13.4944444444445,13.9962962962964,14.4981481481482,15$, $15.5018518518519,16.0037037037037,16.5055555555555,17.0074074074074,17.5092592592592,18.011111111111$, $17.5092592592592,17.0074074074074,16.5055555555555,16.0037037037037,15.5018518518519,15$, 14.4981481481482,""

240: 13.9962962962964,13.4944444444445,12.9925925925926,12.4907407407406,11.98888888888888, $12.4907407407406,12.9925925925926,13.4944444444445,13.9962962962964,14.4981481481482,15$, $15.5018518518519,16.0037037037037,16.5055555555555,17.0074074074074,17.5092592592592,18.011111111111$, $17.5092592592592,17.0074074074074,16.5055555555555,16.0037037037037,15.5018518518519,15$, 14.4981481481482,""

241: 13.9962962962964,13.4944444444445,12.9925925925926,12.4907407407406,11.9888888888888, $12.4907407407406,12.9925925925926,13.4944444444445,13.9962962962964,14.4981481481482,15$, $15.5018518518519,16.0037037037037,16.5055555555555,17.0074074074074,17.5092592592592,18.011111111111$, $17.5092592592592,17.0074074074074,16.5055555555555,16.0037037037037,15.5018518518519,15$, 14.4981481481482,""

242: 13.9962962962964,13.4944444444445,12.9925925925926,12.4907407407406,11.98888888888888, $12.4907407407406,12.9925925925926,13.4944444444445,13.9962962962964,14.4981481481482,15$, $15.5018518518519,16.0037037037037,16.5055555555555,17.0074074074074,17.5092592592592,18.011111111111$, $17.5092592592592,17.0074074074074,16.5055555555555,16.0037037037037,15.5018518518519,15$, 14.4981481481482,""

243: 13.9962962962964,13.4944444444445,12.9925925925926,12.4907407407406,11.98888888888888, $12.4907407407406,12.9925925925926,13.4944444444445,13.9962962962964,14.4981481481482,15$, $15.5018518518519,16.0037037037037,16.5055555555555,17.0074074074074,17.5092592592592,18.011111111111$, $17.5092592592592,17.0074074074074,16.5055555555555,16.0037037037037,15.5018518518519,15$, 14.4981481481482,""

244: 13.9962962962964,13.4944444444445,12.9925925925926,12.4907407407406,11.98888888888888, $12.4907407407406,12.9925925925926,13.4944444444445,13.9962962962964,14.4981481481482,15$, $15.5018518518519,16.0037037037037,16.5055555555555,17.0074074074074,17.5092592592592,18.011111111111$, $17.5092592592592,17.0074074074074,16.5055555555555,16.0037037037037,15.5018518518519,15$, 14.4981481481482,""

245: 13.9962962962964,13.4944444444445,12.9925925925926,12.4907407407406,11.98888888888888, $12.4907407407406,12.9925925925926,13.4944444444445,13.9962962962964,14.4981481481482,15$, $15.5018518518519,16.0037037037037,16.5055555555555,17.0074074074074,17.5092592592592,18.011111111111$, $17.5092592592592,17.0074074074074,16.5055555555555,16.0037037037037,15.5018518518519,15$, 14.4981481481482,""

246: 13.9962962962964,13.4944444444445,12.9925925925926,12.4907407407406,11.98888888888888, $12.4907407407406,12.9925925925926,13.4944444444445,13.9962962962964,14.4981481481482,15$, $15.5018518518519,16.0037037037037,16.5055555555555,17.0074074074074,17.5092592592592,18.011111111111$, $17.5092592592592,17.0074074074074,16.5055555555555,16.0037037037037,15.5018518518519,15$, 14.4981481481482,""

247: 1.609344,. 625856, . 402336,. 312928, .759968,. $536448, .44704, .491744, .491744, .849376,1.430528,1.296416$, . $938784,1.207008,1.162304,1.1176,2.324608,1.654048,1.519936,1.430528, .268224, .536448, .357632, .357632$, ""
 $.938784,1.207008,1.162304,1.1176,2.324608,1.654048,1.519936,1.430528, .268224, .536448, .357632, .357632$, ""

249: 1.609344,.625856,.402336,.312928,.759968,.536448,. 44704,.491744,.491744, .849376,1.430528,1.296416, .938784,1.207008,1.162304,1.1176,2.324608,1.654048,1.519936,1.430528, .268224, .536448, .357632,.357632, ""
250: 1.609344,.625856,.402336,.312928, .759968,.536448,.44704,.491744,.491744, .849376,1.430528,1.296416, . $938784,1.207008,1.162304,1.1176,2.324608,1.654048,1.519936,1.430528, .268224, .536448, .357632, .357632$, ""
251: 1.609344,.625856, .402336,.312928, .759968,.536448,. 44704,.491744,.491744, .849376,1.430528,1.296416, . $938784,1.207008,1.162304,1.1176,2.324608,1.654048,1.519936,1.430528, .268224, .536448, .357632, .357632$, ""

252: 1.609344,.625856,.402336,.312928,.759968,.536448,.44704,.491744,.491744,.849376,1.430528,1.296416, .938784,1.207008,1.162304,1.1176,2.324608,1.654048,1.519936,1.430528, .268224, .536448, .357632, .357632, ""
253: 1.609344,.625856,.402336,.312928,.759968,.536448,.44704,.491744,.491744, .849376,1.430528,1.296416, . $938784,1.207008,1.162304,1.1176,2.324608,1.654048,1.519936,1.430528, .268224, .536448, .357632, .357632$, ""
254: 1.609344,. 625856, . 402336, . 312928, .759968, . 536448, . 44704, .491744, .491744, .849376, 1.430528,1.296416, . $938784,1.207008,1.162304,1.1176,2.324608,1.654048,1.519936,1.430528, .268224, .536448, .357632, .357632$, ""
255: $0,0, .3, .3, .3, .3, .7,1,1,1,1, .7, .7, .7, .7, .7, .3, .3, .3, .3, .3,0, .3, .3, " "$
256: $0,0, .3, .3, .3, .3, .7,1,1,1,1, .7, .7, .7, .7, .7, .3, .3, .3, .3, .3,0, .3, .3, " "$
257: $0,0, .3, .3, .3, .3, .7,1,1,1,1, .7, .7, .7, .7, .7, .3, .3, .3, .3, .3,0, .3, .3, " "$
258: $0,0, .3, .3, .3, .3, .7,1,1,1,1, .7, .7, .7, .7, .7, .3, .3, .3, .3, .3,0, .3, .3, " "$
259: $0,0, .3, .3, .3, .3, .7,1,1,1,1, .7, .7, .7, .7, .7, .3, .3, .3, .3, .3,0, .3, .3, " "$
260: $0,0, .3, .3, .3, .3, .7,1,1,1,1, .7, .7, .7, .7, .7, .3, .3, .3, .3, .3,0, .3, .3, " "$
261: $0,0, .3, .3, .3, .3, .7,1,1,1,1, .7, .7, .7, .7, .7, .3, .3, .3, .3, .3,0, .3, .3, " "$
262: $0,0, .3, .3, .3, .3, .7,1,1,1,1, .7, .7, .7, .7, .7, .3, .3, .3, .3, .3,0, .3, .3, " "$
263: $0,0,0, \theta, \theta, \theta, \theta, 0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, "$
264: $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
265: $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
266: $0,0, \theta, \theta, \theta, \theta, \theta, \theta, \theta, \theta, \theta, \theta, \theta, \theta, 0,0,0, \theta, 0,0,0,0,0,0, " "$
267: $0, \theta, \theta, \theta, \theta, \theta, \theta, \theta, \theta, \theta, \theta, \theta, \theta, 0,0,0,0,0,0,0, \theta, \theta, 0,0, " "$
268: $\theta, 0, \theta, \theta, \theta, \theta, \theta, \theta, \theta, \theta, \theta, \theta, \theta, \theta, \theta, \theta, 0,0,0, \theta, 0, \theta, \theta, 0, " "$
269: $0,0,0,0,0,0,0,0,0,0,0, \theta, \theta, \theta, \theta, \theta, 0,0,0,0,0,0,0,0, " "$
270: $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
271: $1,0,0,0,0,0,0,0,0,0, \theta, \theta, \theta, \theta, \theta, 0,0,0,0,0,0, " "$
272: 1,1, $0,0,0,0,0,0,0, \theta, 0,0, \theta, \theta, 0,0,0,0,0,0,0, " "$
273: 1,2, $0,0,0, \theta, 0,0,0, \theta, \theta, \theta, \theta, \theta, 0,0,0,0,0,0,0, " "$
274: 1,3,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,""
275: 1,4, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
276: 1,5, $0, \theta, \theta, \theta, \theta, \theta, \theta, \theta, \theta, \theta, \theta, \theta, \theta, 0,0,0,0,0,0, " '$
277: 1, $6,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
278: 1, $, 0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
279: $1,8,0, \theta, 0, \theta, \theta, \theta, 0, \theta, \theta, \theta, 0,0,0,0,0,0,0,0,0, " "$
280: 1,9, $0, \theta, 0, \theta, 0, \theta, \theta, \theta, 0, \theta, 0,0,0,0,0,0,0,0,0, " "$
281: 1, 10, $\theta, 0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
282: 1, 11, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, "$
283: 1, 12, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
284: 1, 13, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$,
285: 1, 14, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
286: 1, 15, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
287: 1,16,0,0,0, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
288: 1, 17, $0,0,0,0,0,0,0,0,0,0, \theta, \theta, \theta, \theta, 0,0,0,0,0,{ }^{\prime \prime}$
289: 1,18, $, 0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0, " "$
290: 1, 19, $0, \theta, \theta, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0, " "$
291: 1, 20, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
292: 1,21, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0, " "$
293: 1,22, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
294: 1, 23, $\theta, 0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
295: 1, 24, $0,0,0,0,0,0,0,0,0,0,0, \theta, \theta, \theta, \theta, \theta, 0,0,0, " "$
296: 1,25, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
297: 1, 26, 0, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
298: 1, 27, $0,0,0,0,0,0,0,0,0,0,0, \theta, \theta, \theta, \theta, \theta, 0,0,0, " "$
299: 1, 28, $\theta, 0,0,0,0,0,0,0,0,0,0,0,0, \theta, \theta, 0, \theta, \theta, \theta, " "$
300: 1, 29, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
301: 1, 30, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
302: $1,31,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
303: 1, 32, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
304: 1, 33, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
305: 1,34, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
306: 1,35, $, 0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0, " "$
307: 1, 36, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
308: 1,37, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
309: $1,38,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

310: $1,39,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
311: $1,40,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
312: $1,41,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$,
$313: 1,42,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, '$
314: $1,43,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$,
315: 1, 44, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, "'
316: $1,45,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
317: $1,46,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
318: $1,47,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$,
319: $1,48,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
320: $1,49,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
321: $1,50,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
322: $1,51,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$,
$323: 1,52,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, '$
324: 1, $53,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
325: 1, 54, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$326: 1,55,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, '$
327: 1, $56,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
328: 1, $57,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
329: $1,58,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
330: $1,59,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0$,
331: 1, $60,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
332: $1,61,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
333: $1,62,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, '$
$334: 1,63,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
$335: 1,64,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$,
$336: 1,65,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, '$
337: $1,66,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
338: 1, 67, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
$339: 1,68,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, '$
340: $1,69,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0$,
341: 1, 70, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
342 : $1,71,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, '$
343: $1,72,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, '$
344: 1, 73, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
345: $1,74,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
346: $1,75,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
347: $1,76,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
348: $1,77,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$,
$349: 1,78,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, '$
350: $1,79,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$,
351: $1,80,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$,
352: $1,81,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$,
353: $1,82,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$,
354: 1, $83,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
355: $1,84,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
356: 1, $85,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
357: $1,86,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
358: $1,87,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
359: $1,88,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
360: 1, $89,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
361: 1, $90,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
362: $1,91,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
363: 1, $92,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
364: 1, $93,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
365: 1, $94,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
366: 1, $95,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
367: 1, $96,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
368: 1, $97,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
369: 1, $98,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
370: $1,99,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
371: $1,100,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
372: $1,101,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
373: 1, 102, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

374: $1,103,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
375: $1,104,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
376: $1,105,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$377: 1,106,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
378: $1,107,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
379: $1,108,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
380: $1,109,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
381: $1,110,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
382: 1, 111, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
383: $1,112,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
384: $1,113,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
385: 1, 114, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
386: $1,115,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
387: $1,116,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
388: 1, 117, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
389: $1,118,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
390: $1,119,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
391: $1,120,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
392: $1,121,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
393: $1,122,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
394: $1,123,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
395: 1, 124, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
396: $1,125,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
397: $1,126,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
398: $1,127,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
399: $1,128,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
400: $1,129,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
401: $1,130,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
402: $1,131,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
403: $1,132,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
404: $1,133,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
405: $1,134,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
406: $1,135,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
407: $1,136,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
408: $1,137,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
409: $1,138,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
410: $1,139,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
411: $1,140,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
412: $1,141,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
413: $1,142,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
414: $1,143,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
415: 1, 144, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
416: $1,145,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
417: $1,146,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
418: $1,147,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
419: $1,148,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
420: $1,149,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
421: $1,150,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0, \theta, 0, \theta, 0,0, " "$
422: $1,151,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
423: $1,152,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
424: $1,153,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
425: $1,154,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
426: $1,155,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
427: 1, 156, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
428: 1, 157, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
429: $1,158,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
430: $1,159,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
431: $1,160,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
432: $1,161,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
433: $1,162,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
434: $1,163,0,0, \theta, 0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
435: $1,164,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
436: $1,165,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
437: 1, 166, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

438: $1,167,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
439: $1,168,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
440: $1,169,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
441: $1,170,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
442: $1,171,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
443: $1,172,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
444: $1,173,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
445: $1,174,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
446: $1,175,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
447: $1,176,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
448: $1,177,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
449: $1,178,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
450: $1,179,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
451: $1,180,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
452: $1,181,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
453: $1,182,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
454: $1,183,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
455: $1,184,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
456: $1,185,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
457: $1,186,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
458: $1,187,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
459: $1,188,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
460: $1,189,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
461: $1,190,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
462: $1,191,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
463: $1,192,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
464: $1,193,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
465: 1, 194, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
466: $1,195,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
467: $1,196,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
468: $1,197,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
469: $1,198,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
470: $1,199,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
471: $1,200,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
472: $1,201,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
473: 1, 202, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
474: $1,203,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
475: $1,204,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
476: $1,205,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
477: $1,206,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
478: $1,207,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
479: $1,208,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
480: $1,209,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
481: $1,210,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
482: $1,211,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
483: $1,212,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
484: $1,213,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
485: $1,214,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
486: $1,215,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
487: $1,216,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
488: $1,217,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
489: $1,218,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
490: $1,219,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
491: $1,220,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
492: $1,221,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
493: $1,222,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
494: $1,223,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
495: $1,224,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
496: $1,225,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
497: $1,226,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
498: $1,227,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
499: $1,228,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
500: $1,229,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
501: 1, 230, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

502: $1,231,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
503: $1,232,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
504: 1, 233, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
505: 1, 234, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
506: 1, 235, $0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
507: 1, 236, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
508: $1,237,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
509: 1, 238, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
510: 1, 239, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
511: $1,240,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
512: 1, 241, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
513: 1, 242, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
514: 1, 243, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
515: 1, 244, $0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
516: 1, 245, $0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
517: 1, 246, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
518: $1,247,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
519: 1, 248, $0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
520: 1, 249, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
521: $1,250,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
522: 1, 251, $0,0,0,0,0, \theta, 0,0,0,0,0, \theta, \theta, 0, \theta, 0, \theta, 0,0, " "$
523: 1, 252, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
524: 1, 253, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
525: 1, 254, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
526: $1,255,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
527: 1, 256, $0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0,0,0,0, \theta, 0,0, " "$
528: $1,257,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
529: 1, 258, $0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
530: 1, 259, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
531: $1,260,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
532: 1, 261, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
533: 1, 262, $0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
534: $1,263,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
535: 1, 264, $, 0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
536: 1, 265, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
537: $1,266,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
538: 1, 267, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
539: 1, 268, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
540: 1, 269, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
541: $1,270,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
542: 1, 271, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
543: 1, 272, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
544: 1, 273, $, 0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
545: 1, 274, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
546: 1, 275, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
547: $1,276,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
548: 1, 277, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
549: 1, 278, $0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0, \theta, 0, \theta, 0,0, " "$
550: $1,279,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
551: 1, 280, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
552: 1, 281, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
553: 1, 282, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
554: 1, 283, $, 0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
555: 1, 284, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
556: 1, $285,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
557: 1, 286, $, 0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
558: 1, 287, $0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
559: 1, 288, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
560: $1,289,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
561: 1, 290, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
562: 1, 291, $0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
563: 1, 292, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
564: 1, 293, $0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0,0, \theta, 0,0,0,0, " "$
565: 1, 294, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

566: 1, 295, $0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0, \theta, 0, " "$
567: $1,296,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
568: 1, 297, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
569: $1,298,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
570: $1,299,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
571: $1,300,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
572: $1,301,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
573: $1,302,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
574: 1, 303, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
575: 1, 304, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, ""
576: $1,305,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
577: $1,306,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
578: 1, 307, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
579: $1,308,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
580: 1, 309, $0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
581: $1,310,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
582: $1,311,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
583: $1,312,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
584: 1, 313, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
585: $1,314,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
586: $1,315,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
587: 1, 316, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
588: $1,317,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
589: 1, 318, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
590: $1,319,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
591: $1,320,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
592: $1,321,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
593: 1, 322, $0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
594: $1,323,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
595: 1, 324, $, 0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
596: 1, 325, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
597: 1, 326, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
598: $1,327,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
599: $1,328,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
600: 1, 329, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
601: $1,330,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
602: $1,331,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
603: $1,332,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
604: 1, 333, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
605: $1,334,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
606: 1, 335, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
607: 1, 336, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
608: $1,337,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
609: $1,338,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
610: 1, 339, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
611: $1,340,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
612: $1,341,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
613: $1,342,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
614: $1,343,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
615: $1,344,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
616: $1,345,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
617: $1,346,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
618: $1,347,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
619: 1, 348, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
620: $1,349,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
621: $1,350,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
622: $1,351,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
623: 1, 352, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
624: $1,353,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
625: 1, 354, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
626: 1, 355, $0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
627: 1, 356, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
628: $1,357,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
629: 1, 358, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

630: $1,359,0,0, \theta, 0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
631: $1,360,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
632: $1,361,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
633: $1,362,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
634: $1,363,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
635: 1, 364, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
636: $1,365,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
637: $1,366,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
638: $1,367,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
639: $1,368,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
640: 1, 369, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
641: $1,370,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0, " "$
642: $1,371,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
643: $1,372,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
644: 1, 373, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
645: $1,374,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
646: $1,375,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
647: $1,376,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
648: $1,377,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
649: $1,378,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
650: $1,379,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
651: 1, $380,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
652: $1,381,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
653: $1,382,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
654: $1,383,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
655: 1, 384, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
656: $1,385,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
657: 1, 386, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
658: $1,387,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
659: $1,388,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
660: $1,389,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
661: 1, 390, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
662: $1,391,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
663: $1,392,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
664: $1,393,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
665: $1,394,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
666: $1,395,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
667: $1,396,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
668: 1, 397, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
669: $1,398,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
670: 1, 399, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
671: 1, 400, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
672: 1, 401, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
673: $1,402,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
674: $1,403,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
675: $1,404,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
676: $1,405,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
677: 1, 406, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
678: $1,407,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
679: 1, 408, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
680: 1, 409, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
681: $1,410,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
682: $1,411,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
683: 1, 412, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
684: 1, 413, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
685: $1,414,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
686: $1,415,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
687: 1, 416, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
688: $1,417,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
689: 1, 418, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
690: 1, 419, $0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
691: $1,420,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
692: 1, 421, $0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
693: 1, 422, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

694: 1, 423, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
695: $1,424,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
696: 1, 425, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
697: $1,426,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
698: 1, 427, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
699: 1, 428, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
700: $1,429,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
701: $1,430,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
702: 1, 431, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
703: $1,432,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
704: 1, 433, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
705: 1, 434, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
706: $1,435,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
707: $1,436,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
708: 1, 437, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
709: 1, 438, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
710: $1,439,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
711: 1,440, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
712: 1, 441, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
713: $1,442,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
714: 1, 443, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
715: 1, 444, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
716: $1,445,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
717: $1,446,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
718: $1,447,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
719: 1, 448, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
720: $1,449,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
721: 1, 450, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
722: 1, 451, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
723: $1,452,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
724: 1, 453, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
725: 1, 454, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
726: $1,455,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
727: 1, 456, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
728: 1, 457, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
729: $1,458,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
730: 1, 459, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
731: $1,460,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
732: $1,461,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
733: $1,462,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
734: 1, 463, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
735: 1,464, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
736: $1,465,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
737: $1,466,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
738: 1, 467, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
739: $1,468,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
740: 1, 469, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
741: 1, 470, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
742: $1,471,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
743: $1,472,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
744: 1, 473, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
745: $1,474,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
746: $1,475,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
747: 1,476, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
748: 1, 477, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
749: $1,478,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
750: 1, 479, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
751: 1, 480, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
752: $1,481,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
753: 1, 482, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
754: 1, 483, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
755: 1, 484, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,""
756: $1,485,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
757: 1, 486, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

758: $1,487,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
759: $1,488,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
760: $1,489,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
761: $1,490,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
762: $1,491,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
763: $1,492,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
764: 1, 493, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
765: 1, 494, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
766: $1,495,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
767: $1,496,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
768: $1,497,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
769: $1,498,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
770: $1,499,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
771: $1,500,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
772: 1, $501,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
773: $1,502,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
774: 1, $503,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
775: 1, 504, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
776: $1,505,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
777: 1, $506,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
778: $1,507,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
779: 1, $508,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
780: $1,509,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
781: $1,510,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
782: $1,511,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
783: $1,512,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
784: 1, $513,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
785: 1, 514, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, $0,0,0,0,0, " "$
786: $1,515,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
787: $1,516,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
788: $1,517,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
789: $1,518,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
790: $1,519,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
791: $1,520,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
792: 1, 521, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
793: $1,522,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
794: $1,523,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
795: 1, 524, 0, 0, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
796: $1,525,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
797: $1,526,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
798: $1,527,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
799: $1,528,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
800: 1, $529,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
801: $1,530,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
802: 1, $531,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
803: $1,532,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
804: $1,533,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
805: 1, $534,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
806: 1, $535,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
807: $1,536,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
808: 1, $537,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
809: $1,538,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
810: $1,539,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
811: 1, $540,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
812: 1, $541,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
813: $1,542,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
814: $1,543,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
815: 1, $544,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
816: $1,545,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
817: $1,546,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
818: $1,547,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
819: $1,548,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
820: 1, $549,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
821: $1,550,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

822: 1, 551, $0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
823: 1, 552, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
824: 1, 553, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
825: 1, $554,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
826: 1, $555,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
827: $1,556,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
828: 1, 557, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
829: 1, $558,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
830: 1, $559,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
831: $1,560,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
832: 1, $561,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
833: 1, $562,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
834: 1, 563, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
835: 1, $564,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
836: 1, $565,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
837: 1, $566,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
838: $1,567,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
839: $1,568,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
840: 1, $569,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
841: $1,570,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
842: $1,571,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
843: 1,572, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
844: $1,573,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
845: 1, $574,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
846: $1,575,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
847: 1, $576,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
848: $1,577,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
849: 1, $578,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
850: 1, $579,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
851: $1,580,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
852: 1, $581,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
853: 1, 582, $0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, " "$
854: $1,583,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
855: 1, $584,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
856: $1,585,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
857: $1,586,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
858: $1,587,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
859: $1,588,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
860: $1,589,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
861: $1,590,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
862: 1, 591, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
863: 1, 592, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
864: 1, 593, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
865: 1, 594, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
866: 1, $595,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
867: $1,596,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
868: 1, $597,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
869: 1, 598, $0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, \theta, 0,0, " "$
870: $1,599,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
871: $1,600,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
872: 1, 601, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
873: $1,602,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
874: 1, 603, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
875: 1, 604, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, ""
876: $1,605,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
877: 1, $606,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
878: 1, $607,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
879: $1,608,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
880: 1, $609,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
881: 1, 610, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
882: 1, 611, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
883: $1,612,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
884: 1, 613, $0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
885: 1, 614, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

886: $1,615,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
887: $1,616,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
888: $1,617,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
889: 1, 618, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
890: 1, $619,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
891: 1, $620,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
892: $1,621,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
893: 1, 622, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
894: 1, 623, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
895: 1, 624, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
896: 1, $625,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
897: 1, $626,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
898: 1, $627,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
899: $1,628,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
900: 1, 629, $0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
901: 1, 630, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
902: $1,631,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
903: $1,632,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
904: 1, 633, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
905: $1,634,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
906: 1, 635, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
907: 1, 636, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
908: $1,637,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
909: 1, 638, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
910: $1,639,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
911: 1, $640,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
912: $1,641,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
913: 1, 642, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
914: 1, 643, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
915: 1, 644, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
916: $1,645,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
917: 1, 646, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
918: $1,647,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
919: 1, $648,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
920: 1, 649, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
921: $1,650,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
922: 1, 651, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
923: 1, 652, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
924: 1, 653, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
925: 1, 654, $0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, \theta, 0,0,0,0, " "$
926: 1, 655, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
927: 1, 656, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
928: 1, 657, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
929: 1, 658, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
930: 1, 659, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
931: $1,660,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
932: 1, 661, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
933: 1, 662, $0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
934: $1,663,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
935: 1, 664, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
936: 1, 665, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
937: $1,666,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
938: $1,667,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
939: 1, 668, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
940: 1, 669, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
941: $1,670,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
942: 1, 671, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
943: 1, 672, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
944: $1,673,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
945: 1, 674, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
946: $1,675,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
947: $1,676,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
948: $1,677,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
949: 1, 678, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

950: $1,679,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0,0, \theta, 0,0, " "$
951: $1,680,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
952: $1,681,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
953: 1, 682, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
954: $1,683,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
955: $1,684,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
956: $1,685,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
957: $1,686,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
958: 1, 687, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
959: $1,688,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
960: 1, 689, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
961: 1, 690, $0,0, \theta, 0,0,0, \theta, 0,0,0,0, \theta, 0,0,0,0, \theta, 0,0, " "$
962: $1,691,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
963: 1, 692, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
964: 1, 693, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
965: 1, 694, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
966: 1, 695, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
967: $1,696,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
968: 1, 697, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
969: $1,698,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
970: $1,699,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
971: $1,700,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
972: $1,701,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
973: $1,702,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
974: $1,703,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
975: 1, 704, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
976: $1,705,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
977: 1, 706, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
978: 1, 707, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
979: $1,708,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
980: 1, 709, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
981: $1,710,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
982: $1,711,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
983: $1,712,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
984: 1, 713, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
985: 1, 714, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
986: $1,715,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
987: $1,716,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
988: $1,717,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
989: 1, 718, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
990: 1, 719, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
991: 1, 720, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
992: 2, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
993: 2, 1, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
994: 2, 2, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
995: $2,3,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
996: $2,4,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
997: $2,5,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
998: $2,6,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
999: $2,7,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1000: $2,8,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
1001: 2, $9,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1002: $2,10,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1003: 2, 11, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1004: 2, 12, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1005: 2, 13, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1006: $2,14,0,0,0,0,0,0,0,0,0, \theta, 0,0, \theta, 0,0,0,0,0,0, " "$
1007: $2,15,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1008: $2,16,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1009: $2,17,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1010: $2,18,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0, " "$
1011: $2,19,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1012: $2,2 \theta, \theta, \theta, 0,0, \theta, 0, \theta, \theta, 0, \theta, 0, \theta, \theta, 0, \theta, 0, \theta, \theta, \theta, " "$
1013: 2, 21, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

1014: $2,22,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0, "$
1015: 2, 23, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1016: 2, 24, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1017: $2,25,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, "$
1018: 2, 26, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$,
1019: $2,27,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1020: $2,28,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1021: $2,29,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1022: $2,30,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0, " "$
1023: $2,31,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1024: $2,32,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0, " "$
1025: 2, 33, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1026: 2, 34, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,""
1027: $2,35,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, "$
1028: 2, $36,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1029: $2,37,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1030: $2,38,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, "$
1031: $2,39,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1032: $2,40,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1033: $2,41,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1034: 2, 42, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, '$
1035: 2, 43, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1036: $2,44,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1037: 2, 45, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, "$
1038: $2,46,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1039: $2,47,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1040: $2,48,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1041: 2, 49, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
1042: $2,50,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1043: $2,51,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, "$
1044: $2,52,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1045: $2,53,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1046: $2,54,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1047: $2,55,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1048: $2,56,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1049: $2,57,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1050: $2,58,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1051: $2,59,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1052: $2,60,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1053: 2, $61,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1054: 2, $62,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1055: $2,63,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1056: $2,64,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,{ }^{\prime}$
1057: 2, $65,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
1058: $2,66,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1059: $2,67,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1060: 2, $68,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1061: $2,69,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1062: $2,70,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1063: 2, 71, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1064: $2,72,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1065: $2,73,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1066: $2,74,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1067: 2, $75,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1068: $2,76,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1069: $2,77,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1070: $2,78,0,0,0,0,0,0,0,0,0, \theta, 0,0, \theta, 0,0,0, \theta, 0,0, " "$
1071: $2,79,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1072: $2,80,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1073: $2,81,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1074: $2,82,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1075: $2,83,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1076: $2,84,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1077: $2,85,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

1078: $2,86,0,0,0,0,0,0,0, \theta, 0,0,0,0, \theta, \theta, \theta, 0,0,0,0, " "$
1079: 2, $87,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1080: $2,88,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1081: $2,89,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, "$
1082: $2,90,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,{ }^{\prime}$
1083: 2, $91,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1084: $2,92,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1085: $2,93,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1086: $2,94,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0, " "$
1087: $2,95,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1088: $2,96, \theta, 0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0, " "$
1089: $2,97,0,0,0,0,0,0, \theta, \theta, 0,0,0,0, \theta, 0,0,0,0,0, \theta, " "$
1090: $2,98,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1091: $2,99,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1092: 2, 100, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1093: 2, 101, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1094: 2, 102, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1095: 2, 103, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1096: 2, 104, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1097: 2, 105, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1098: 2, 106, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1099: 2, 107, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1100: $2,108,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1101: $2,109,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1102: 2, 110, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1103: 2, 111, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1104: 2, 112, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1105: 2, 113, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1106: $2,114,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1107: $2,115,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1108: $2,116,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1109: $2,117,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1110: $2,118,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1111: $2,119,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1112: 2, 120, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1113: 2, 121, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, ""
1114: 2, 122, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1115: $2,123,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1116: $2,124,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1117: $2,125,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1118: $2,126,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1119: $2,127,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1120: $2,128,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1121: $2,129,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1122: 2, 130, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1123: $2,131,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1124: $2,132,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1125: $2,133,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1126: $2,134,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1127: $2,135,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1128: 2, 136, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1129: 2, 137, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1130: $2,138,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1131: 2, 139, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1132: $2,140,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1133: $2,141,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1134: 2, 142, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1135: 2, 143, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1136: $2,144,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1137: $2,145,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1138: 2, 146, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1139: $2,147,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1140: $2,148,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1141: $2,149,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

1142: $2,150,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1143: $2,151,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1144: $2,152,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1145: $2,153,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1146: 2, 154, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1147: 2, 155, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1148: 2, 156, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1149: 2, 157, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1150: 2, 158, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1151: $2,159,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1152: 2, 160, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1153: 2, 161, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1154: 2, 162, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1155: 2, 163, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1156: 2, 164, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1157: 2, 165, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1158: $2,166,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1159: 2, 167, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1160: 2, 168, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1161: 2, 169, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1162: 2, 170, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1163: 2, 171, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1164: 2, 172, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1165: 2, 173, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1166: $2,174,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1167: $2,175,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1168: $2,176,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1169: 2, 177, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1170: $2,178,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1171: $2,179,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1172: 2, 180, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1173: 2, 181, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1174: $2,182,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1175: $2,183,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1176: 2, 184, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1177: 2, 185, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1178: $2,186,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1179: 2, 187, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1180: 2, 188, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1181: $2,189,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1182: 2, 190, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1183: 2, 191, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1184: $2,192,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1185: 2, 193, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1186: 2, 194, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1187: $2,195,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1188: 2, 196, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1189: 2, 197, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1190: $2,198,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1191: 2, 199, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1192: 2, 200, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1193: 2, 201, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1194: 2, $202,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1195: 2, 203, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1196: 2, 204, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1197: $2,205,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1198: 2, 206, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1199: 2, 207, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1200: $2,208,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1201: 2, 209, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1202: 2, 210, $0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
1203: 2, 211, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1204: 2, 212, $0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
1205: 2, 213, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

1206: $2,214,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
1207: 2, 215, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1208: 2, 216, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1209: 2, 217, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1210: $2,218,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1211: 2, 219, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1212: 2, 220, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1213: 2, 221, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1214: 2, 222, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1215: 2, 223, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,""
1216: 2, 224, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1217: 2, 225, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1218: 2, 226, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1219: 2, 227, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1220: 2, 228, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1221: 2, 229, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1222: 2, 230, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1223: 2, 231, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1224: 2, 232, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1225: 2, 233, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1226: 2, 234, $0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
1227: 2, 235, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1228: 2, 236, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1229: 2, 237, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1230: $2,238,0,0,0,0,0,0, \theta, 0,0,0, \theta, \theta, 0,0,0,0,0, \theta, 0, " "$
1231: 2, 239, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1232: 2, 240, $0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
1233: 2, 241, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1234: 2, $242,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1235: $2,243,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1236: 2, 244, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1237: $2,245,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1238: 2, $246,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1239: $2,247,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1240: 2, 248, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1241: 2, 249, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1242: 2, 250, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1243: 2, 251, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1244: 2, 252, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1245: 2, 253, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1246: 2, 254, $0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
1247: 2, 255, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1248: 2, 256, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1249: 2, $257,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1250: 2, 258, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1251: 2, 259, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1252: 2, $260,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1253: 2, 261, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1254: 2, $262,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1255: 2, 263, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1256: 2, $264,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
1257: $2,265,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1258: 2, $266,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1259: 2, $267,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1260: $2,268,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1261: $2,269,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1262: 2, 270, $0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
1263: 2, 271, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1264: 2, $272,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1265: $2,273,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1266: 2, $274,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1267: 2, 275, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1268: 2, 276, $0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
1269: 2, 277, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

1270: $2,278,0,0,0,0,0, \theta, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
1271: 2, 279, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1272: 2, $280,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1273: 2, 281, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1274: 2, $282,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1275: 2, 283, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1276: 2, $284,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1277: 2, 285, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1278: $2,286,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1279: 2, $287,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1280: 2, $288,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, " "$
1281: 2, 289, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1282: 2, 290, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1283: 2, 291, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1284: 2, 292, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1285: 2, 293, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1286: 2, 294, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1287: 2, 295, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1288: 2, 296, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1289: 2, 297, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1290: 2, 298, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1291: 2, 299, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1292: 2, $300,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1293: 2, 301, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1294: $2,302,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1295: 2, 303, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1296: $2,304,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
1297: $2,305,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1298: 2, $306,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1299: $2,307,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1300: $2,308,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1301: $2,309,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1302: 2, 310, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1303: $2,311,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1304: 2, 312, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1305: 2, 313, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1306: $2,314,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1307: $2,315,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1308: 2, 316, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1309: $2,317,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1310: $2,318,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1311: $2,319,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1312: $2,320,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1313: $2,321,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1314: $2,322,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1315: $2,323,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1316: $2,324,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1317: $2,325,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1318: 2, $326,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1319: $2,327,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1320: $2,328,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1321: $2,329,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1322: $2,330,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1323: $2,331,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1324: $2,332,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1325: $2,333,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1326: $2,334,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1327: $2,335,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1328: $2,336,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1329: $2,337,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1330: $2,338,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1331: 2, 339, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1332: $2,340,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1333: 2, 341, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

1334: $2,342,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1335: $2,343,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1336: $2,344,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1337: $2,345,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1338: $2,346,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1339: $2,347,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1340: $2,348,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1341: $2,349,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1342: 2, $350,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1343: $2,351,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1344: $2,352,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1345: $2,353,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1346: $2,354,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1347: 2, $355,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1348: 2,356, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1349: $2,357,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1350: $2,358,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
1351: 2, 359, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1352: 2, $360,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1353: 2, 361, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1354: 2, $362,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1355: 2, $363,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1356: $2,364,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1357: $2,365,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1358: $2,366,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1359: 2, $367,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1360: $2,368,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1361: 2, 369, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1362: 2, $370,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1363: $2,371,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1364: 2, $372,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1365: $2,373,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
1366: $2,374,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1367: $2,375,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1368: $2,376,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1369: 2, $377,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1370: $2,378,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1371: 2, $379,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1372: 2, $380,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1373: $2,381,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1374: 2, 382, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1375: 2, 383, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1376: $2,384,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1377: 2, $385,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1378: 2, $386,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1379: $2,387,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1380: $2,388,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1381: 2, 389, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1382: 2, $390,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1383: $2,391,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1384: 2, 392, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1385: 2, 393, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1386: $2,394,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1387: $2,395,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1388: $2,396,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1389: $2,397,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1390: $2,398,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1391: 2, $399,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1392: $2,400,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1393: 2, 401, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1394: 2, 402, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1395: 2, 403, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1396: 2, 404, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1397: 2, 405, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

1398: $2,406,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1399: $2,407,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1400: $2,408,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1401: $2,409,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1402: 2, 410, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1403: 2, 411, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1404: 2, 412, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1405: 2, 413, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1406: $2,414,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1407: $2,415,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1408: 2, 416, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1409: $2,417,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1410: 2, 418, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1411: 2, 419, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1412: 2, 420, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1413: 2, 421, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1414: $2,422,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1415: 2, 423, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1416: $2,424,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1417: 2, 425, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1418: 2, 426, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1419: $2,427,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1420: $2,428,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1421: 2, 429, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1422: $2,430,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1423: 2, 431, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1424: $2,432,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1425: 2, 433, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1426: $2,434,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1427: $2,435,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1428: $2,436,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1429: $2,437,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1430: $2,438,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1431: $2,439,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1432: 2, 440, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1433: 2, 441, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1434: $2,442,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1435: $2,443,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1436: $2,444,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1437: $2,445,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1438: $2,446,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1439: $2,447,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1440: $2,448,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1441: 2, 449, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1442: 2, 450, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1443: $2,451,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1444: $2,452,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1445: 2, 453, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1446: 2, 454, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1447: $2,455,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1448: $2,456,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1449: $2,457,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1450: $2,458,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1451: $2,459,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1452: $2,460,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1453: $2,461,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1454: 2, $462,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1455: 2, 463, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1456: $2,464,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1457: $2,465,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1458: $2,466,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1459: $2,467,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1460: $2,468,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1461: $2,469,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

1462: $2,470,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1463: $2,471,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1464: $2,472,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1465: $2,473,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1466: $2,474,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1467: $2,475,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1468: 2, 476, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1469: 2, 477, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1470: $2,478,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1471: $2,479,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1472: $2,480,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1473: 2, 481, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1474: 2, 482, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1475: 2, 483, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1476: $2,484,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1477: $2,485,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1478: $2,486,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1479: 2, $487,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1480: $2,488,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1481: 2, 489, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1482: 2, 490, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1483: $2,491,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1484: 2, 492, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1485: 2, 493, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1486: $2,494,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1487: 2, 495, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1488: $2,496,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1489: 2, 497, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1490: $2,498,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1491: 2, 499, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1492: $2,500,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1493: $2,501,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1494: 2, $502,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1495: $2,503,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1496: $2,504,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1497: $2,505,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1498: $2,506,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1499: $2,507,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1500: $2,508,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1501: $2,509,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1502: $2,510,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1503: 2, 511, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1504: $2,512,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1505: $2,513,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1506: $2,514,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1507: $2,515,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1508: $2,516,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1509: 2, 517, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1510: $2,518,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1511: $2,519,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1512: 2, $520,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1513: $2,521,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1514: $2,522,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1515: $2,523,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1516: $2,524,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1517: $2,525,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1518: 2, $526,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
1519: $2,527,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1520: $2,528,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1521: $2,529,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1522: $2,530,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1523: 2, 531, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1524: $2,532,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
1525: 2, $533,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

1526: $2,534,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
1527: $2,535,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1528: 2, $536,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1529: $2,537,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1530: $2,538,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1531: $2,539,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1532: 2, 540, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1533: 2, 541, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1534: 2, $542,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1535: $2,543,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1536: 2, 544, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1537: 2, $545,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1538: $2,546,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1539: 2, $547,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1540: $2,548,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1541: 2, $549,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1542: $2,550,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1543: 2, 551, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1544: 2, 552, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1545: 2, 553, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1546: $2,554,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1547: $2,555,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1548: $2,556,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1549: 2, $557,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1550: $2,558,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1551: $2,559,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1552: $2,560,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
1553: 2, 561, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1554: 2, $562,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1555: $2,563,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1556: $2,564,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1557: $2,565,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1558: $2,566,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1559: $2,567,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1560: $2,568,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1561: $2,569,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1562: $2,570,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1563: $2,571,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1564: 2, $572,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1565: $2,573,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, \theta, 0,0,0, \theta, \theta, " "$
1566: 2, $574,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1567: $2,575,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1568: $2,576,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1569: $2,577,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1570: $2,578,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1571: $2,579,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1572: $2,580,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1573: $2,581,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1574: 2, $582,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1575: 2, 583, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1576: 2, $584,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1577: $2,585,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1578: $2,586,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1579: 2, $587,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1580: $2,588,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1581: $2,589,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1582: $2,590,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1583: $2,591,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1584: $2,592,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1585: $2,593,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1586: $2,594,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1587: 2, 595, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1588: $2,596,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1589: 2, 597, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

1590: $2,598,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1591: 2, $599,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1592: $2,600,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1593: $2,601,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1594: $2,602,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1595: 2, 603, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1596: $2,604,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1597: 2, $605,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1598: 2, $606,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1599: $2,607,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1600: $2,608,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1601: $2,609,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1602: $2,610,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1603: 2, 611, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1604: 2, $612,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1605: 2, 613, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1606: $2,614,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1607: 2, $615,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1608: 2, $616,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1609: 2, $617,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1610: 2, $618,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
1611: 2, $619,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1612: $2,620,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1613: 2, $621,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1614: $2,622,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1615: 2, $623,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1616: $2,624,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1617: 2, $625,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1618: $2,626,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1619: $2,627,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1620: 2, $628,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
1621: 2, $629,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1622: 2, $630,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1623: 2, $631,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1624: 2, $632,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1625: 2, 633, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1626: 2, $634,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1627: 2, $635,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1628: 2, 636, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1629: $2,637,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1630: 2, $638,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1631: 2, $639,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1632: $2,640,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1633: 2, $641,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1634: 2, $642,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1635: $2,643,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1636: 2, $644,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1637: 2, $645,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1638: 2, 646, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1639: 2, $647,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1640: 2, $648,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1641: $2,649,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1642: $2,650,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1643: 2, $651,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1644: 2, $652,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1645: $2,653,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1646: 2, 654, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1647: 2, $655,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1648: $2,656,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1649: 2, $657,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1650: 2, $658,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
1651: 2, 659, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1652: 2, $660,0,0,0,0,0,0, \theta, 0,0,0, \theta, \theta, 0,0,0,0,0, \theta, 0, " "$
1653: 2, 661, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

1654: $2,662,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
1655: $2,663,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1656: 2, $664,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1657: $2,665,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1658: 2, $666,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
1659: 2, $667,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1660: $2,668,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1661: 2, $669,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1662: 2, $670,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1663: $2,671,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1664: 2, $672,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1665: 2, $673,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1666: 2, $674,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1667: 2, $675,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1668: 2, $676,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1669: 2, $677,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1670: $2,678,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1671: 2, $679,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1672: 2, $680,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1673: 2, 681, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1674: 2, $682,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1675: 2, $683,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1676: $2,684,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1677: 2, $685,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1678: $2,686,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1679: $2,687,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1680: $2,688,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1681: 2, $689,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1682: 2, $690,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1683: $2,691,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1684: 2, $692,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1685: 2, 693, $0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
1686: 2, 694, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1687: $2,695,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1688: 2, $696,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1689: 2, $697,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1690: $2,698,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1691: 2, $699,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1692: 2, 700, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1693: 2, 701, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1694: 2, 702, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1695: 2, 703, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1696: $2,704,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1697: $2,705,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1698: 2, 706, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1699: $2,707,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1700: 2, 708, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1701: 2,709, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1702: 2, 710, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1703: 2, 711, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1704: 2, 712, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1705: $2,713,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1706: 2, 714, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1707: 2, $715,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1708: 2, $716,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1709: $2,717,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1710: 2,718, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1711: 2, 719, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1712: $2,720,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1713: 3, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1714: $3,1, \theta, \theta, 0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, " "$
1715: $3,2,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1716: $3,3, \theta, \theta, 0,0,0,0,0, \theta, 0,0, \theta, 0, \theta, \theta, 0,0,0,0, \theta, " "$
1717: 3, $4,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

1718: $3,5,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1719: $3,6,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
1720: $3,7,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
1721: $3,8,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1722: $3,9,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
1723: $3,10,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1724: $3,11,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1725: $3,12,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1726: $3,13,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1727: $3,14,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1728: $3,15,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1729: $3,16,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1730: $3,17,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1731: $3,18,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1732: $3,19,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1733: $3,20,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1734: $3,21,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1735: $3,22,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1736: $3,23,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1737: $3,24,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1738: $3,25,0,0,0,0,0,0,0,0,0, \theta, 0,0, \theta, 0,0,0, \theta, \theta, 0, " "$
1739: $3,26,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1740: $3,27,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1741: $3,28,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1742: $3,29,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1743: $3,30,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0, " "$
1744: $3,31,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1745: $3,32,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1746: $3,33,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1747: $3,34,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1748: $3,35,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0, " "$
1749: $3,36,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0, " "$
1750: $3,37,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1751: $3,38,0,0,0,0,0,0, \theta, 0,0, \theta, 0,0, \theta, 0,0,0, \theta, \theta, 0, " "$
1752: $3,39,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1753: $3,40,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1754: $3,41,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1755: $3,42,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1756: $3,43,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1757: $3,44,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1758: $3,45,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1759: $3,46,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1760: $3,47,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, '$
1761: $3,48,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$,
1762: $3,49,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1763: $3,50,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1764: $3,51,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1765: $3,52,0,0,0,0,0,0, \theta, 0,0, \theta, 0,0, \theta, 0,0,0,0,0,0, " "$
1766: $3,53,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1767: $3,54,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1768: $3,55,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1769: $3,56,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1770: $3,57,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1771: $3,58,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1772: $3,59,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1773: $3,60,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1774: $3,61,0,0,0,0,0,0,0,0,0, \theta, 0,0, \theta, 0,0,0,0,0,0, " "$
1775: $3,62,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1776: $3,63,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1777: 3, 64, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1778: $3,65,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0, " "$
1779: $3,66,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1780: $3,67,0,0,0,0,0,0, \theta, 0,0, \theta, 0, \theta, \theta, 0,0,0, \theta, \theta, \theta, " "$
1781: $3,68,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

1782: $3,69,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, \theta, 0,0,0,{ }^{\prime}$
1783: $3,70,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, '$
1784: $3,71,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$,
1785: $3,72,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, '$
1786: $3,73,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$,
1787: $3,74,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1788: $3,75,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1789: $3,76,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1790: $3,77,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, '$
1791: $3,78,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
1792: $3,79,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1793: $3,80,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1794: $3,81,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1795: $3,82,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, "$
1796: $3,83,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1797: $3,84,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1798: $3,85,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, "$
1799: $3,86,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1800: $3,87,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1801: $3,88,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

1803: $3,90,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1804: $3,91,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1805: 3, $92,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1806: $3,93,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1807: $3,94,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0, " "$
1808: $3,95,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0, " "$
1809: $3,96,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1810: $3,97,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1811: $3,98,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, '$
1812: $3,99,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1813: $3,100,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1814: $3,101,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1815: $3,102,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1816: $3,103,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1817: $3,104,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1818: $3,105,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1819: $3,106,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1820: $3,107,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1821: $3,108,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1822: 3, 109, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1823: 3, 110, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1824: $3,111,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1825: $3,112,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1826: $3,113,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1827: $3,114,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1828: $3,115,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1829: 3, 116, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1830: $3,117,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1831: $3,118,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1832: $3,119,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1833: $3,120,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1834: $3,121,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1835: 3, 122, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1836: 3, 123, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1837: $3,124,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1838: $3,125,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1839: $3,126,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1840: $3,127,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1841: $3,128,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1842: $3,129,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1843: $3,130,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1844: $3,131,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1845: 3, 132, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

1846: $3,133,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1847: $3,134,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1848: $3,135,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1849: $3,136,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1850: $3,137,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1851: $3,138,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1852: $3,139,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1853: $3,140,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1854: 3, 141, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1855: $3,142,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1856: $3,143,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1857: $3,144,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1858: $3,145,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1859: $3,146,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1860: $3,147,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1861: $3,148,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1862: $3,149,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1863: $3,150,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1864: 3, 151, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1865: $3,152,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1866: $3,153,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1867: 3, 154, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1868: $3,155,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1869: $3,156,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1870: $3,157,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1871: $3,158,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1872: $3,159,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1873: $3,160,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1874: $3,161,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1875: $3,162,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1876: $3,163,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1877: 3, 164, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1878: $3,165,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1879: $3,166,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1880: 3, 167, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1881: $3,168,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1882: $3,169,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1883: $3,170,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1884: $3,171,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1885: $3,172,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1886: 3, 173, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1887: 3, 174, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1888: $3,175,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1889: $3,176,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1890: $3,177,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1891: $3,178,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1892: $3,179,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1893: $3,180,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1894: $3,181,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1895: $3,182,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1896: 3, 183, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1897: $3,184,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1898: $3,185,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1899: 3, 186, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1900: $3,187,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1901: $3,188,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1902: 3, 189, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1903: $3,190,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1904: $3,191,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1905: $3,192,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1906: $3,193,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1907: $3,194,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1908: $3,195,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1909: 3, 196, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

1910: $3,197,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1911: $3,198,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1912: $3,199,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1913: $3,200,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1914: $3,201,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
1915: 3, 202, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1916: $3,203,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1917: $3,204,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1918: $3,205,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1919: $3,206,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1920: $3,207,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1921: $3,208,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1922: 3, 209, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1923: $3,210,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1924: 3, 211, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1925: $3,212,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1926: $3,213,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
1927: $3,214,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1928: 3, 215, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1929: $3,216,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1930: $3,217,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
1931: 3, 218, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1932: $3,219,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1933: $3,220,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1934: $3,221,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1935: $3,222,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1936: $3,223,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1937: 3, 224, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1938: $3,225,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1939: $3,226,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1940: $3,227,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1941: 3, 228, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1942: $3,229,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1943: $3,230,0,0,0,0,0, \theta, \theta, 0,0,0, \theta, \theta, 0,0,0,0,0, \theta, 0, " "$
1944: 3, 231, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1945: $3,232,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1946: $3,233,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1947: $3,234,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1948: $3,235,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1949: $3,236,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, \theta, " "$
1950: $3,237,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1951: $3,238,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1952: $3,239,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1953: $3,240,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1954: 3, 241, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1955: $3,242,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1956: $3,243,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1957: 3, $244,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1958: $3,245,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1959: 3, $246,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1960: $3,247,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1961: $3,248,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1962: 3, $249,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1963: 3, 250, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1964: 3, 251, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1965: $3,252,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1966: $3,253,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
1967: 3, 254, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1968: $3,255,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1969: 3, 256, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1970: $3,257,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1971: $3,258,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1972: 3, 259, $0,0,0,0,0,0, \theta, 0,0,0, \theta, \theta, 0,0,0,0,0, \theta, 0, " "$
1973: 3, 260, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

1974: $3,261,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1975: $3,262,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1976: $3,263,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1977: $3,264,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1978: $3,265,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1979: $3,266,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1980: $3,267,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1981: $3,268,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1982: $3,269,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1983: $3,270,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1984: $3,271,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1985: $3,272,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
1986: $3,273,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1987: $3,274,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1988: 3, 275, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1989: $3,276,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1990: $3,277,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1991: $3,278,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1992: $3,279,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1993: $3,280,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1994: $3,281,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1995: 3, 282, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1996: $3,283,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1997: $3,284,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1998: $3,285,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1999: $3,286,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2000: $3,287,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
2001: 3, 288, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2002: 3, $289,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2003: $3,290,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2004: 3, 291, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2005: 3, 292, $0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, " "$
2006: $3,293,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2007: 3, 294, $0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
2008: 3, 295, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2009: 3, 296, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2010: $3,297,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2011: $3,298,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2012: $3,299,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2013: $3,300, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, \theta, 0,0,0,0,0, " "$
2014: 3, 301, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2015: $3,302,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2016: $3,303,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2017: $3,304,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2018: $3,305,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2019: $3,306,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2020: $3,307,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2021: 3, $308,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2022: $3,309,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2023: 3, 310, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2024: 3, 311, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2025: $3,312,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2026: 3, 313, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2027: 3, 314, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2028: 3, $315,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2029: $3,316,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2030: $3,317,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2031: $3,318,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2032: $3,319,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2033: 3, 320, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2034: 3, 321, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2035: 3, $322,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2036: 3, 323, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2037: 3, $324,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

2038: $3,325,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2039: 3, $326,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2040: $3,327,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2041: $3,328,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2042: $3,329,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2043: 3, 330, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2044: $3,331,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2045: $3,332,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2046: 3, 333, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2047: $3,334,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2048: $3,335,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2049: $3,336,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2050: $3,337,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2051: $3,338,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2052: 3, 339, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2053: $3,340,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2054: $3,341,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2055: $3,342,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2056: 3, 343, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2057: $3,344,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2058: $3,345,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2059: 3, $346,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2060: $3,347,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2061: $3,348,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2062: 3, 349, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2063: 3, 350, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2064: $3,351,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2065: 3, 352, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2066: $3,353,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2067: $3,354,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2068: $3,355,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2069: 3, 356, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2070: $3,357,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2071: $3,358,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2072: 3, $359,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2073: $3,360,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2074: $3,361,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2075: $3,362,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2076: $3,363,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2077: $3,364,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2078: 3, $365,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2079: 3, $366,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2080: $3,367,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2081: $3,368,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2082: $3,369,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2083: $3,370,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2084: 3, $371,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2085: 3, $372,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2086: $3,373,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2087: $3,374,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2088: $3,375,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2089: $3,376,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2090: $3,377,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2091: 3, $378,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2092: $3,379,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2093: $3,380,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2094: 3, 381, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2095: $3,382,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2096: $3,383,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2097: 3, 384, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2098: 3, $385,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2099: $3,386,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2100: $3,387,0,0,0,0,0,0, \theta, 0,0,0, \theta, \theta, 0,0,0,0,0, \theta, 0, " "$
2101: $3,388,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

2102: $3,389,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2103: 3, 390, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2104: 3, 391, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2105: $3,392,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2106: $3,393,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
2107: $3,394,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2108: $3,395,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2109: $3,396,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2110: $3,397,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2111: $3,398,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2112: $3,399,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2113: 3, 400, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2114: $3,401,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2115: $3,402,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2116: 3, $403,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2117: $3,404,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2118: $3,405,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2119: 3, $406,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2120: $3,407,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2121: $3,408,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2122: 3, 409, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2123: 3, 410, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2124: $3,411,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2125: $3,412,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2126: $3,413,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2127: $3,414,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2128: $3,415,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2129: 3, 416, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2130: $3,417,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2131: $3,418,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2132: $3,419,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2133: 3, 420, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2134: $3,421,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2135: $3,422,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2136: 3, $423,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2137: $3,424,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2138: $3,425,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2139: $3,426,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2140: $3,427,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2141: $3,428,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2142: 3, 429, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2143: $3,430,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2144: $3,431,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2145: $3,432,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2146: 3, $433,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2147: $3,434,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2148: $3,435,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2149: $3,436,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2150: $3,437,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2151: $3,438,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2152: $3,439,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2153: $3,440,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2154: 3, 441, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2155: 3, 442, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2156: 3, 443, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2157: $3,444,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2158: $3,445,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2159: 3, 446, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2160: $3,447,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2161: $3,448,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2162: 3, $449,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2163: $3,450,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2164: $3,451,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
2165: 3, 452, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

2166: $3,453,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2167: $3,454,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2168: 3, 455, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2169: $3,456,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2170: $3,457,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2171: $3,458,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2172: $3,459,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2173: $3,460,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2174: 3, 461, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2175: $3,462,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2176: $3,463,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2177: 3, 464, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2178: $3,465,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2179: $3,466,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2180: 3, 467, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2181: $3,468,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2182: $3,469,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2183: $3,470,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2184: 3, 471, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2185: $3,472,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2186: $3,473,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2187: 3, 474, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2188: $3,475,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2189: $3,476,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2190: $3,477,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2191: $3,478,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2192: $3,479,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2193: 3, 480, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2194: $3,481,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2195: $3,482,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2196: $3,483,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2197: 3, 484, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2198: $3,485,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2199: $3,486,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2200: $3,487,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2201: $3,488,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2202: 3, $489,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2203: $3,490,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2204: $3,491,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2205: $3,492,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2206: 3, 493, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2207: 3, 494, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2208: $3,495,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2209: 3, 496, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2210: $3,497,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2211: $3,498,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2212: 3, 499, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2213: 3, $500,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
2214: $3,501,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2215: $3,502,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2216: $3,503,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2217: $3,504,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2218: $3,505,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2219: 3, $506,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2220: 3, $507,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2221: $3,508,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2222: 3, $509,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2223: 3, $510,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2224: $3,511,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2225: 3, $512,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2226: 3, $513,0,0,0,0,0, \theta, \theta, 0,0,0, \theta, \theta, 0,0,0,0,0, \theta, 0, " "$
2227: $3,514,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2228: $3,515,0,0,0,0,0,0, \theta, 0,0,0, \theta, \theta, 0,0,0,0,0, \theta, 0, " "$
2229: 3, $516,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

2230: $3,517,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2231: $3,518,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2232: $3,519,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2233: $3,520,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2234: 3, $521,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
2235: 3, 522, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2236: 3, $523,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2237: $3,524,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2238: 3, $525,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2239: $3,526,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2240: $3,527,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2241: $3,528,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2242: $3,529,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2243: $3,530,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2244: 3, $531,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2245: $3,532,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2246: $3,533,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
2247: $3,534,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2248: 3, $535,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2249: $3,536,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2250: $3,537,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
2251: 3, $538,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2252: $3,539,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2253: 3, $540,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2254: 3, 541, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2255: 3, 542, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2256: $3,543,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
2257: 3, $544,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2258: 3, $545,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2259: $3,546,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2260: $3,547,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2261: 3, $548,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2262: $3,549,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2263: 3, $550,0,0,0,0,0, \theta, \theta, 0,0,0, \theta, \theta, 0, \theta, 0,0,0, \theta, 0, " "$
2264: 3, $551,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2265: 3, 552, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2266: 3, $553,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2267: $3,554,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2268: $3,555,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2269: 3, $556,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0, \theta, 0, " "$
2270: 3, 557, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2271: $3,558,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2272: $3,559,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2273: $3,560,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2274: 3, $561,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2275: $3,562,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2276: $3,563,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2277: 3, $564,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2278: $3,565,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2279: 3, $566,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2280: $3,567,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2281: $3,568,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2282: 3, $569,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2283: 3, 570, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2284: 3, $571,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2285: $3,572,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2286: 3, $573,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2287: 3, $574,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2288: $3,575,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2289: 3, $576,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2290: 3, $577,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
2291: $3,578,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2292: 3, $579,0,0,0,0,0,0, \theta, 0,0,0, \theta, 0,0,0,0,0,0, \theta, 0, " "$
2293: 3, 580, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

2294: $3,581,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, "$
2295: 3, $582,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2296: $3,583,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2297: $3,584,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2298: $3,585,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2299: $3,586,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2300: $3,587,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2301: $3,588,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2302: 3, 589, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2303: $3,590,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2304: $3,591,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2305: $3,592,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
2306: $3,593,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2307: $3,594,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2308: 3, $595,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2309: $3,596,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2310: $3,597,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2311: $3,598,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2312: $3,599,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2313: $3,600,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2314: 3, $601,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
2315: $3,602,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2316: $3,603,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2317: $3,604,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2318: $3,605,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2319: $3,606,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2320: $3,607,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
2321: 3, $608,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2322: $3,609,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2323: $3,610,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2324: $3,611,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2325: $3,612,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
2326: $3,613,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2327: $3,614,0,0,0,0,0, \theta, \theta, 0,0,0, \theta, \theta, 0,0,0,0,0, \theta, 0, " "$
2328: $3,615,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2329: $3,616,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2330: $3,617,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2331: $3,618,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2332: $3,619,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2333: $3,620, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, \theta, 0,0,0,0,0, " "$
2334: 3, $621,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2335: 3, $622,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2336: $3,623,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2337: $3,624,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2338: $3,625,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2339: $3,626,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2340: $3,627,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2341: 3, $628,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
2342: $3,629,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2343: $3,630,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2344: $3,631,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2345: $3,632,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2346: $3,633,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2347: 3, $634,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2348: $3,635,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2349: $3,636,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2350: $3,637,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
2351: $3,638,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2352: $3,639,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2353: $3,640,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2354: $3,641,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2355: $3,642,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2356: $3,643,0,0,0,0,0,0, \theta, 0,0,0, \theta, \theta, 0,0,0,0,0, \theta, 0, " "$
2357: 3, 644, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$


2422: $3,709,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2423: $3,710,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2424: 3, 711, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2425: $3,712,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2426: $3,713,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2427: 3, 714, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2428: $3,715,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2429: $3,716,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2430: $3,717,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2431: $3,718,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2432: $3,719,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2433: 3, 720, $0,0,0,0,0, \theta, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
2434: 4, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
2435: 4, $1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2436: 4, $2,0, \theta, 0,0,0,0, \theta, 0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
2437: 4, $3,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2438: 4, 4, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2439: 4, $5,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2440: 4, $6,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2441: $4,7,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2442: 4, $8,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2443: 4, $9,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2444: $4,10,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2445: 4, 11, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, '$
2446: 4, 12, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2447: 4, 13, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2448: 4, 14, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2449: 4, 15, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2450: 4, 16, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2451: $4,17,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,{ }^{\prime}$
2452: $4,18,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2453: 4, 19, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2454: 4, 20, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2455: 4, 21, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2456: 4, 22, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2457: 4, 23, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2458: 4, 24, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2459: 4, 25, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2460: 4, $26,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2461: 4, 27, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2462: 4, 28, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2463: 4, 29, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2464: 4, $30,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, '$
2465: 4, 31, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2466: 4, 32, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2467: 4, 33, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2468: 4, $34,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2469: 4, $35,0,0,0,0,0,0, \theta, 0,0, \theta, 0, \theta, \theta, 0,0,0,0,0,0, " "$
2470: $4,36,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2471: $4,37,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2472: 4, $38,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2473: 4, 39, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2474: 4, 40, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2475: 4, 41, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2476: 4, 42, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2477: 4, 43, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2478: 4, 44, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2479: 4, 45, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2480: $4,46,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2481: 4, 47, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2482: 4, 48, $0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0, " "$
2483: 4, 49, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

2485: 4, 51, 0, 0, 0, 0, 0, 0, 0, $0,0,0,0,0,0,0,0,0,0,0,0, " "$

2486: 4, $52,0,0,0, \theta, 0,0, \theta, 0,0,0,0,0,0, \theta, \theta, 0,0,0,0, " "$
2487: 4, $53,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2488: 4, 54, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2489: 4, $55,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, "$
2490: 4, $56,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$,
2491: $4,57,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2492: 4, $58,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2493: 4, 59, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2494: 4, $60,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0, " "$
2495: 4, $61,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2496: 4, $62,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2497: 4, 63, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2498: 4, 64, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2499: 4, 65, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2500: 4, $66,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2501: 4, 67, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2502: 4, $68,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2503: 4, 69, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2504: 4, $70,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2505: 4, 71, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2506: 4, 72, $0,0,0, \theta, 0,0, \theta, 0, \theta, \theta, 0,0,0, \theta, \theta, 0,0,0,0, " "$
2507: 4, $73,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
2508: 4, 74, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2509: 4, $75,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
2510: 4, $76,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2511: 4, 77, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, ""
2512: 4, 78, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2513: 4, 79, $0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0, " "$
2514: 4, $80,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2515: 4, $81,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2516: 4, $82,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2517: 4, $83,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0, " "$
2518: 4, $84,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2519: 4, $85,0,0,0, \theta, 0,0, \theta, 0, \theta, \theta, 0,0,0, \theta, \theta, 0,0,0, \theta, " "$
2520: $4,86, \theta, 0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0, " "$
2521: $4,87,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2522: 4, $88,0,0,0,0,0,0,0, \theta, 0,0,0,0, \theta, 0,0,0,0,0,0, " "$
2523: 4, $89,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2524: 4, $90,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2525: 4, $91,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2526: 4, $92,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
2527: 4, $93,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2528: 4, $94,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2529: 4, $95,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2530: 4, $96,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2531: 4, $97,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2532: 4, $98,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0, " "$
2533: 4, $99,0,0,0,0,0,0, \theta, \theta, 0,0,0,0, \theta, 0,0,0,0,0, \theta, " "$
2534: 4, 100, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2535: 4, 101, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2536: 4, 102, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2537: 4, 103, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2538: 4, 104, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2539: 4, 105, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2540: 4, 106, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2541: $4,107,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2542: 4, 108, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2543: 4, 109, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2544: 4, 110, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2545: 4, 111, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2546: 4, 112, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2547: 4, 113, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2548: 4, 114, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2549: 4, 115, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

2550: 4, 116, $0,0,0,0,0, \theta, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
2551: 4, 117, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2552: 4, 118, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2553: 4, 119, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2554: 4, 120, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2555: 4, 121, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2556: 4, 122, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2557: 4, 123, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2558: 4, 124, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2559: 4, $125,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2560: 4, 126, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2561: 4, 127, $0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0, \theta, 0, " "$
2562: 4, 128, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2563: 4, 129, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2564: 4, 130, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2565: 4, 131, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2566: 4, 132, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2567: 4, 133, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2568: 4, 134, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2569: 4, 135, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2570: 4, 136, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2571: 4, 137, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2572: 4, 138, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2573: 4, 139, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2574: 4, 140, $0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
2575: 4, 141, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,""
2576: 4, 142, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2577: 4, 143, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2578: 4, 144, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2579: 4, 145, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2580: 4, 146, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2581: $4,147,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2582: 4, 148, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2583: 4, 149, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2584: 4, 150, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2585: 4, 151, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2586: 4, 152, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2587: 4, 153, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2588: 4, 154, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2589: 4, 155, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2590: 4, 156, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2591: 4, 157, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2592: 4, 158, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2593: 4, 159, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2594: 4, 160, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2595: 4, 161, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2596: 4, 162, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2597: 4, 163, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2598: 4, 164, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2599: 4, 165, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2600: $4,166,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2601: 4, 167, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2602: 4, 168, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2603: 4, 169, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2604: 4, 170, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2605: 4, 171, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2606: 4, 172, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2607: 4, 173, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2608: 4, 174, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2609: 4, 175, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2610: 4, 176, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2611: 4, 177, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2612: 4, 178, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
2613: 4, 179, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

2614: 4, 180, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2615: 4, 181, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2616: 4, 182, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2617: 4, 183, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2618: 4, 184, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2619: 4, 185, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2620: 4, 186, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2621: 4, 187, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2622: 4, 188, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2623: 4, 189, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2624: 4, 190, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2625: 4, 191, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
2626: 4, 192, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2627: 4, 193, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2628: 4, 194, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2629: 4, 195, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2630: 4, 196, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2631: 4, 197, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2632: 4, 198, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2633: 4, 199, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2634: 4, 200, $0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
2635: 4, 201, $0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
2636: 4, 202, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2637: 4, 203, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2638: 4, 204, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2639: 4, 205, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2640: 4, 206, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2641: 4, $207,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2642: 4, 208, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2643: 4, 209, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2644: 4, 210, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2645: 4, 211, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
2646: 4, 212, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2647: 4, 213, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2648: 4, 214, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2649: 4, 215, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2650: 4, 216, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2651: 4, 217, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2652: 4, 218, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2653: 4, 219, $0,0,0,0,0,0,0,0,0,0, \theta, \theta, 0, \theta, 0,0,0, \theta, \theta, " "$
2654: 4, 220, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2655: 4, 221, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2656: 4, 222, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2657: 4, 223, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2658: 4, 224, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2659: 4, 225, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2660: 4, 226, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2661: 4, 227, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2662: 4, 228, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2663: 4, 229, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2664: 4, 230, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2665: 4, 231, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2666: 4, 232, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2667: 4, 233, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2668: 4, 234, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2669: 4, $235,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2670: 4, 236, $0,0,0,0,0,0,0,0,0,0,0, \theta, 0, \theta, 0,0,0, \theta, 0, " "$
2671: 4, 237, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2672: 4, 238, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2673: 4, 239, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2674: 4, 240, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2675: 4, 241, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2676: 4, 242, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2677: 4, 243, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

2678: 4, $244,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2679: 4, 245, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2680: 4, 246, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2681: 4, $247,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2682: 4, 248, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2683: 4, 249, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2684: 4, 250, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2685: 4, 251, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2686: 4, 252, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2687: 4, 253, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2688: 4, 254, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2689: 4, 255, $0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
2690: 4, 256, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2691: 4, 257, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2692: 4, 258, $0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, " "$
2693: 4, 259, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2694: 4, $260,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2695: 4, 261, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2696: 4, 262, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2697: 4, $263,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2698: 4, $264,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
2699: 4, $265,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
2700: 4, 266, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2701: 4, $267,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2702: 4, $268,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2703: 4, 269, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2704: 4, $270,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2705: 4, 271, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2706: 4, 272, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2707: 4, $273,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2708: 4, 274, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2709: 4, $275,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2710: 4, $276,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2711: 4, 277, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2712: 4, 278, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2713: 4, 279, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2714: 4, $280,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2715: 4, 281, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2716: 4, 282, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2717: 4, 283, $0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
2718: 4, 284, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2719: 4, $285,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2720: 4, $286,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2721: 4, 287, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2722: 4, $288,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2723: 4, 289, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2724: 4, 290, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2725: 4, 291, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2726: 4, 292, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2727: 4, 293, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2728: 4, 294, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2729: 4, 295, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2730: 4, 296, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2731: 4, 297, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2732: 4, 298, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2733: 4, 299, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2734: 4, $300,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
2735: 4, 301, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2736: 4, $302,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2737: 4, 303, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2738: 4, $304,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2739: 4, 305, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, ""
2740: 4, $306,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
2741: $4,307,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

2742: 4, $308,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2743: 4, 309, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2744: 4, $310,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2745: 4, 311, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2746: 4, 312, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2747: 4, 313, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2748: 4, 314, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2749: 4, $315,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2750: 4, 316, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2751: 4, 317, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2752: 4, 318, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2753: 4, 319, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2754: 4, $320,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2755: 4, 321, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2756: 4, 322, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2757: 4, 323, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2758: 4, 324, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2759: 4, 325, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2760: 4, 326, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2761: 4, $327,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2762: 4, 328, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2763: 4, 329, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2764: 4, $330,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2765: 4, 331, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2766: 4, 332, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2767: 4, 333, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2768: 4, 334, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2769: 4, $335,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2770: 4, $336,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2771: $4,337,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2772: 4, $338,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2773: 4, 339, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2774: 4, $340,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2775: 4, 341, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2776: 4, $342,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2777: 4, 343, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2778: 4, $344,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2779: 4, $345,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2780: 4, $346,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2781: 4, $347,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2782: 4, 348, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2783: 4, 349, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2784: 4, 350, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2785: 4, 351, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2786: 4, $352,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2787: 4, 353, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2788: 4, $354,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2789: 4, $355,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2790: 4, $356,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2791: 4, $357,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2792: 4, $358,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2793: 4, 359, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2794: 4, $360,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2795: 4, 361, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2796: 4, $362,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2797: 4, $363,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2798: 4, $364,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2799: 4, $365,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2800: 4, $366,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2801: $4,367,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2802: 4, $368,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2803: 4, $369,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2804: 4, $370,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2805: 4, 371, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

2806: 4, $372,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2807: 4, $373,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2808: 4, $374,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2809: 4, $375,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2810: 4, $376,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
2811: 4, $377,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2812: 4, $378,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2813: 4, $379,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2814: 4, 380, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2815: 4, $381,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2816: 4, $382,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2817: 4, $383,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2818: 4, $384,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2819: 4, $385,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2820: 4, $386,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2821: 4, $387,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2822: 4, $388,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2823: 4, 389, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2824: 4, 390, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2825: 4, $391,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2826: 4, 392, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2827: 4, 393, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2828: 4, $394,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2829: 4, 395, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2830: 4, $396,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2831: 4, $397,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2832: 4, $398,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2833: 4, 399, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2834: 4, 400, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2835: 4, 401, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2836: 4, 402, $0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
2837: 4, 403, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2838: 4, 404, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2839: 4, 405, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2840: 4, 406, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2841: 4, 407, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2842: 4, 408, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2843: 4, 409, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2844: 4, 410, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2845: 4, 411, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2846: 4, 412, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2847: 4, 413, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2848: 4, 414, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2849: 4, 415, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2850: 4, 416, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2851: 4, 417, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2852: 4, $418,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2853: 4, 419, $0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
2854: 4, 420, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2855: 4, 421, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2856: 4, 422, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2857: 4, 423, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2858: 4, 424, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2859: 4, 425, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2860: 4, 426, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2861: $4,427,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2862: 4, $428,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
2863: 4, 429, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2864: 4, 430, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2865: 4, 431, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2866: 4, $432,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
2867: 4, 433, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2868: 4, $434,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
2869: 4, 435, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

2870: 4, 436, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2871: 4, 437, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2872: 4, 438, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2873: 4, 439, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2874: 4, 440, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2875: 4, 441, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2876: 4, 442, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2877: 4, 443, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2878: 4, 444, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2879: 4, 445, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2880: 4, 446, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2881: 4, 447, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2882: 4, $448,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2883: 4, 449, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2884: 4, 450, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2885: 4, 451, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2886: 4, 452, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2887: 4, 453, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2888: 4, 454, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2889: 4, 455, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2890: 4, 456, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2891: 4, $457,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2892: 4, 458, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2893: 4, 459, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2894: 4, 460, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2895: 4, 461, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2896: 4, 462, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2897: 4, 463, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2898: 4, 464, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2899: $4,465,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2900: 4, $466,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2901: $4,467,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2902: 4, 468, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2903: 4, 469, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2904: 4, 470, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2905: 4, 471, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2906: 4, 472, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2907: 4, 473, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2908: 4, 474, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2909: 4, 475, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2910: 4, 476, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2911: 4, 477, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2912: 4, 478, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2913: 4, 479, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2914: 4, 480, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2915: 4, 481, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2916: 4, 482, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2917: 4, 483, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2918: 4, 484, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2919: 4, $485,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2920: 4, 486, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2921: 4, $487,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2922: 4, 488, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2923: 4, 489, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2924: 4, 490, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2925: 4, 491, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2926: 4, 492, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2927: 4, 493, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2928: 4, 494, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2929: 4, 495, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2930: 4, 496, $0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
2931: 4, 497, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2932: 4, 498, $0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
2933: 4, 499, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

2934: 4, $500,0,0,0,0,0, \theta, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
2935: 4, $501,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2936: 4, $502,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2937: 4, 503, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2938: 4, $504,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
2939: 4, $505,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2940: 4, $506,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2941: 4, $507,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2942: 4, $508,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2943: 4, $509,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2944: 4, $510,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2945: 4, $511,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2946: 4, $512,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2947: 4, $513,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2948: 4, 514, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2949: 4, $515,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2950: 4, $516,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
2951: 4, $517,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2952: 4, $518,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2953: 4, $519,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2954: 4, $520,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
2955: 4, 521, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2956: 4, $522,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2957: 4, $523,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2958: 4, $524,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2959: 4, $525,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2960: 4, $526,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2961: 4, $527,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2962: 4, $528,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2963: 4, $529,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2964: 4, $530,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2965: 4, 531, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2966: 4, $532,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2967: 4, $533,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
2968: 4, $534,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2969: 4, $535,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2970: 4, $536,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2971: 4, $537,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2972: 4, $538,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2973: 4, $539,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2974: 4, $540,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2975: 4, 541, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2976: 4, $542,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2977: 4, $543,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2978: 4, $544,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2979: 4, $545,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2980: 4, $546,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2981: 4, $547,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2982: 4, $548,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2983: 4, $549,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2984: 4, $550,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2985: 4, 551, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2986: 4, $552,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2987: 4,553, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2988: 4, 554, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2989: 4, $555,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2990: 4, $556,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
2991: 4, $557,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2992: 4, $558,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2993: 4, $559,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2994: 4, $560,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
2995: 4, $561,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2996: 4, $562,0,0,0,0,0,0, \theta, 0,0,0, \theta, \theta, 0,0,0,0,0, \theta, 0, " "$
2997: 4, $563,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

2998: 4, $564,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2999: 4, $565,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3000: 4, $566,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3001: 4, $567,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3002: 4, $568,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3003: 4, $569,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3004: 4, $570,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3005: 4, 571, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3006: 4, $572,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3007: 4, $573,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3008: 4, $574,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3009: 4, 575, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3010: 4, $576,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3011: 4, $577,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3012: 4, $578,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3013: 4, $579,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3014: 4, 580, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3015: 4, 581, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3016: 4, 582, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3017: 4, 583, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3018: 4, $584,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3019: 4, $585,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3020: 4, $586,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3021: 4, $587,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3022: 4, $588,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3023: 4, $589,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3024: 4, $590,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3025: 4, 591, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3026: 4, $592,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3027: 4, 593, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3028: 4, 594, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3029: 4, 595, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3030: 4,596,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3031: 4, 597, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3032: 4, $598,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3033: 4, $599,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3034: 4, 600, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3035: 4, 601, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3036: 4, $602,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3037: 4, 603, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3038: 4, 604, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3039: 4, 605, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3040: 4,606,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3041: 4, $607,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3042: 4, 608, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3043: 4, 609, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3044: 4, 610, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3045: 4,611,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3046: 4, 612, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3047: 4, $613,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3048: 4, $614,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3049: 4, $615,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3050: 4, 616, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3051: 4, $617,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3052: 4, 618, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3053: 4, 619, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3054: 4, $620,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3055: 4, 621, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3056: 4, 622, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3057: 4, $623,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3058: 4, 624, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3059: 4, $625,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3060: 4, $626,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
3061: 4, 627, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

3062: 4, $628,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
3063: 4, $629,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3064: 4, $630,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3065: 4, 631, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3066: 4, 632, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3067: 4, $633,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3068: 4, 634, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3069: 4, 635, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3070: 4, $636,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3071: 4, $637,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3072: 4, 638, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3073: 4, 639, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3074: 4, 640, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3075: 4, 641, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3076: 4, 642, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3077: 4, 643, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3078: 4, 644, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3079: 4, $645,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3080: 4, $646,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3081: 4, 647, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3082: 4, $648,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3083: 4, 649, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3084: 4, 650, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3085: 4, 651, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3086: 4, 652, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3087: 4, 653, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3088: 4, 654, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3089: 4, $655,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3090: 4, $656,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3091: 4, 657, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3092: 4, 658, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3093: 4, 659, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3094: 4, 660, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3095: 4, 661, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3096: 4, 662, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3097: 4, 663, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3098: 4, 664, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3099: 4, 665, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3100: $4,666,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3101: 4, 667, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3102: 4, 668, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3103: 4, 669, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3104: 4, $670,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3105: 4, 671, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3106: 4, 672, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3107: 4, 673, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3108: 4, $674,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3109: 4, $675,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3110: $4,676,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3111: 4, $677,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3112: 4, $678,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3113: 4, $679,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3114: 4, $680,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3115: 4, 681, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3116: 4, 682, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3117: $4,683,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3118: 4, $684,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
3119: 4, $685,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3120: 4, $686,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3121: $4,687,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3122: 4, $688,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3123: 4, 689, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3124: 4, $690,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3125: 4, 691, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

3126: 4, 692, $0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
3127: 4, 693, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3128: 4, 694, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3129: 4, 695, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3130: $4,696,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3131: 4, 697, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3132: 4, 698, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3133: 4, 699, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3134: 4, 700, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3135: 4, 701, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3136: 4, 702, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3137: 4, 703, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3138: 4, 704, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, ""
3139: 4, 705, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3140: 4, $706,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3141: 4, $707,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3142: $4,708,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3143: 4, 709, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3144: 4, $710,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3145: 4, 711, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3146: 4, 712, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3147: 4, 713, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3148: 4, $714,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3149: 4, 715, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3150: $4,716,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3151: 4, $717,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3152: 4, 718, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3153: 4, 719, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3154: 4, 720, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3155: $5,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3156: $5,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3157: $5,2, \theta, 0,0,0,0, \theta, 0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
3158: $5,3,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3159: $5,4,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3160: $5,5,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3161: $5,6,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3162: $5,7,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3163: $5,8, \theta, 0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3164: $5,9,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3165: $5,10,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0, " "$
3166: $5,11,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3167: $5,12,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
3168: $5,13,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, "$
3169: $5,14,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3170: $5,15,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3171: $5,16,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3172: $5,17,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3173: $5,18,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3174: $5,19,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3175: $5,2 \theta, 0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0, " "$
3176: $5,21,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0, " "$
3177: $5,22,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3178: $5,23,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3179: $5,24,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3180: $5,25,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3181: $5,26,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3182: $5,27,0,0,0,0,0,0,0,0,0, \theta, 0,0, \theta, 0,0,0,0,0,0, " "$
3183: $5,28,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3184: $5,29,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3185: $5,30,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3186: $5,31,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0, " "$
3187: $5,32,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3188: $5,33,0,0,0,0,0,0,0,0,0, \theta, 0,0, \theta, 0,0,0, \theta, \theta, 0, " "$
3189: $5,34,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

3190: $5,35,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3191: $5,36,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
3192: $5,37,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$,
3193: $5,38,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, "$
3194: $5,39,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$,
3195: $5,40,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3196: $5,41,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3197: $5,42,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3198: $5,43,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,{ }^{\prime}$
3199: $5,44,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3200: $5,45,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3201: $5,46,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3202: $5,47,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$,
3203: $5,48,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$,
3204: $5,49,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3205: $5,50,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3206: $5,51,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, "$
3207: $5,52,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
3208: $5,53,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3209: $5,54,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3210: $5,55, \theta, 0,0,0,0,0,0,0,0,0,0,0, \theta, 0, \theta, 0,0, \theta, 0$,
3211: $5,56,0,0,0,0,0,0,0, \theta, 0,0,0,0, \theta, 0,0,0,0,0,0, " "$
3212: $5,57,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3213: $5,58,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, '$
3214: $5,59,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3215: $5,60,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$,
3216: $5,61,0,0,0,0,0,0,0, \theta, 0,0,0,0, \theta, 0, \theta, 0,0,0,0, " "$
3217: $5,62,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3218: $5,63,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3219: $5,64,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, "$
3220: $5,65,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$,
3221: $5,66,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3222: $5,67,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3223: $5,68,0,0,0,0, \theta, 0, \theta, \theta, 0, \theta, 0, \theta, \theta, 0,0,0, \theta, \theta, \theta, " "$
3224: $5,69,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3225: $5,70,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3226: $5,71,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3227: $5,72,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3228: $5,73,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$,
3229: $5,74,0,0,0,0, \theta, 0,0, \theta, 0,0,0,0,0,0, \theta, 0,0,0,0, " "$
3230: $5,75,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$,
3231: $5,76,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$,
3232: $5,77,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \cdots$
3233: $5,78,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$,
3234: $5,79,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3235: $5,80,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3236: $5,81,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3237: $5,82,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3238: $5,83,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3239: $5,84,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3240: 5,85,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3241: $5,86,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3242: $5,87,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3243: $5,88,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3244: $5,89,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
$3245: 5,90,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, "$
3246: $5,91,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0$,
3247: $5,92,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3248: $5,93,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3249: $5,94,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3250: $5,95,0,0,0,0,0,0,0, \theta, 0,0,0,0, \theta, \theta, \theta, 0,0,0,0, " "$
3251: $5,96,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3252: $5,97,0,0,0,0,0,0, \theta, 0,0, \theta, 0,0, \theta, \theta, \theta, 0,0,0,0, " "$
3253: $5,98,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

3254: $5,99, \theta, 0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, \theta, 0, " "$
3255: 5, 100, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3256: $5,101,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3257: $5,102,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3258: $5,103,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3259: $5,104,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3260: $5,105,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3261: $5,106,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3262: $5,107,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3263: $5,108,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3264: $5,109,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3265: $5,110,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
3266: $5,111,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3267: $5,112,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3268: $5,113,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3269: $5,114,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3270: $5,115,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3271: $5,116,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3272: $5,117,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3273: $5,118,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3274: $5,119,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3275: 5, 120, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3276: $5,121,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3277: $5,122,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3278: $5,123,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3279: $5,124,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3280: $5,125,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
3281: $5,126,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3282: $5,127,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3283: $5,128,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3284: 5, 129, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3285: $5,130,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3286: $5,131,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3287: $5,132,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3288: $5,133,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3289: $5,134,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3290: $5,135,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3291: $5,136,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3292: $5,137,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3293: $5,138,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3294: $5,139,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3295: $5,140,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3296: $5,141,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3297: $5,142,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3298: $5,143,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3299: $5,144,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3300: 5,145,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3301: $5,146,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3302: $5,147,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3303: $5,148,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3304: $5,149,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3305: $5,150,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3306: $5,151,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3307: $5,152,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3308: $5,153,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3309: $5,154,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3310: $5,155,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3311: $5,156,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3312: $5,157,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3313: $5,158,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3314: $5,159,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3315: $5,160,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3316: $5,161,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3317: $5,162,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

3318: $5,163,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3319: $5,164,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3320: $5,165,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3321: $5,166,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3322: $5,167,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3323: $5,168,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3324: $5,169,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3325: $5,170,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3326: $5,171,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3327: $5,172,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3328: $5,173,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3329: $5,174,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3330: 5,175,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3331: $5,176,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3332: $5,177,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3333: $5,178,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3334: 5,179,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3335: $5,180,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3336: $5,181,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3337: $5,182,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3338: $5,183,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3339: $5,184,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3340: 5,185,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3341: $5,186,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3342: $5,187,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3343: $5,188,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3344: $5,189,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3345: 5,190,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3346: $5,191,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3347: $5,192,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3348: $5,193,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3349: $5,194,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3350: 5,195,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3351: 5,196,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3352: $5,197,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3353: $5,198,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3354: $5,199,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3355: $5,200,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3356: $5,201,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3357 : $5,202,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3358: $5,203,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3359: 5, 204, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3360: $5,205,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3361: $5,206,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3362: $5,207,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3363: $5,208,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3364: 5, 209, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3365: $5,210,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3366: $5,211,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3367: $5,212,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3368: $5,213,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3369: $5,214,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3370: $5,215,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3371: $5,216,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3372: 5, 217, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3373: $5,218,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3374: 5, 219, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3375: $5,220,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3376: $5,221,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3377: $5,222,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3378: $5,223,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3379: $5,224,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3380: $5,225,0,0,0,0,0,0, \theta, 0,0,0, \theta, \theta, 0,0,0,0,0, \theta, 0, " "$
3381: 5, 226, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

3382: 5, 227, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3383: $5,228,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3384: 5, 229, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3385: $5,230,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3386: $5,231,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
3387: 5, 232, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3388: $5,233,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3389: 5, 234, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3390: $5,235,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3391: $5,236,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3392: $5,237,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3393: $5,238,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3394: $5,239,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3395: $5,240,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3396: 5, 241, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3397: $5,242,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3398: $5,243,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3399: $5,244,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3400: $5,245,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3401: $5,246,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3402: $5,247,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3403: 5, 248, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3404: $5,249,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3405: 5, 250, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3406: $5,251,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3407: $5,252,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3408: $5,253,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3409: 5, 254, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3410: $5,255,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3411: $5,256,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3412: $5,257,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3413: $5,258,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3414: $5,259,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3415: $5,260,0,0,0,0,0, \theta, \theta, 0,0,0, \theta, \theta, 0,0,0,0,0, \theta, 0, " "$
3416: $5,261,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3417: $5,262,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3418: $5,263,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3419: $5,264,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3420: $5,265,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3421: $5,266,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3422: $5,267,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3423: $5,268,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3424: $5,269,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3425: $5,270,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3426: 5, 271, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3427: $5,272,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3428: $5,273,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3429: $5,274,0,0,0,0,0, \theta, \theta, 0,0,0, \theta, \theta, 0,0,0,0,0, \theta, 0, " "$
3430: $5,275,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3431: $5,276,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3432: $5,277,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3433: $5,278,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3434: $5,279,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3435: 5, 280, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3436: $5,281,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3437: $5,282,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3438: $5,283,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3439: $5,284,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3440: 5,285,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3441: $5,286,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3442: $5,287,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3443: $5,288,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3444: $5,289,0,0,0,0,0,0, \theta, 0,0,0, \theta, \theta, 0,0,0,0,0, \theta, 0, " "$
3445: 5, 290, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,""

3446: $5,291,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3447: $5,292,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3448: $5,293,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3449: 5,294,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3450: $5,295,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3451: $5,296,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3452: $5,297,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3453: 5, 298, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3454: $5,299,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3455: $5,300,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3456: $5,301,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3457: $5,302,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
3458: $5,303,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3459: $5,304,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3460: $5,305,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3461: $5,306,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3462: $5,307,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3463: $5,308,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3464: 5, 309, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3465: $5,310,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3466: $5,311,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3467: $5,312,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3468: $5,313,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3469: $5,314,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3470: $5,315,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3471: $5,316,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3472: $5,317,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3473: $5,318,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3474: $5,319,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3475: $5,320,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3476: $5,321,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3477: $5,322,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3478: $5,323,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3479: $5,324,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3480: 5,325,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3481: $5,326,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3482: $5,327,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3483: $5,328,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3484: $5,329,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3485: $5,330,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3486: $5,331,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3487: $5,332,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3488: $5,333,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3489: $5,334,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3490: 5,335,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3491: $5,336,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3492: $5,337,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3493: $5,338,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3494: $5,339,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3495: $5,340,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3496: $5,341,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3497: $5,342,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3498: $5,343,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3499: $5,344,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3500: $5,345,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3501: $5,346,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3502: $5,347,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3503: $5,348,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3504: $5,349,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3505: $5,350,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3506: $5,351,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3507: $5,352,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3508: $5,353,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3509: $5,354,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

3510: $5,355,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3511: $5,356,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3512: $5,357,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3513: $5,358,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3514: $5,359,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3515: $5,360,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3516: $5,361,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3517: $5,362,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3518: $5,363,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3519: $5,364,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3520: 5,365,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3521: $5,366,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
3522: $5,367,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3523: $5,368,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3524: $5,369,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3525: $5,370,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3526: $5,371,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3527: $5,372,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3528: $5,373,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3529: $5,374,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3530: $5,375,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3531: $5,376,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3532: $5,377,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3533: $5,378,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3534: $5,379,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
3535: $5,380,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3536: $5,381,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
3537: $5,382,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3538: $5,383,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3539: $5,384,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3540: 5,385,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3541: $5,386,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3542: $5,387,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3543: 5,388,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3544: $5,389,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3545: $5,390,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3546: $5,391,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3547: $5,392,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3548: $5,393,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3549: $5,394,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
3550: $5,395,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3551: $5,396,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3552: $5,397,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3553: $5,398,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3554: $5,399,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3555: $5,400,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3556: $5,401,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3557: $5,402,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3558: $5,403,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3559: $5,404,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3560: $5,405,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3561: $5,406,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3562: $5,407,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3563: $5,408,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3564: $5,409,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3565: 5, 410, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3566: $5,411,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3567: $5,412,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3568: $5,413,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3569: $5,414,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3570: 5,415,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3571: $5,416,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3572: $5,417,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3573: 5, 418, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

3574: 5, 419, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3575: $5,420,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3576: $5,421,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3577: $5,422,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3578: $5,423,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3579: 5, 424, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3580: $5,425,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3581: $5,426,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3582: 5, 427, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3583: $5,428,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3584: $5,429,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3585: 5, 430, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3586: $5,431,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3587: $5,432,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3588: $5,433,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3589: $5,434,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3590: $5,435,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3591: $5,436,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3592: 5, 437, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3593: $5,438,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3594: $5,439,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3595: 5, 440, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3596: $5,441,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3597: $5,442,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3598: $5,443,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3599: $5,444,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3600: $5,445,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
3601: $5,446,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3602: $5,447,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3603: $5,448,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3604: 5, 449, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3605: $5,450,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3606: $5,451,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3607: $5,452,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3608: $5,453,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3609: $5,454,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3610: $5,455,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3611: $5,456,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3612: $5,457,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3613: $5,458,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
3614: $5,459,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3615: $5,460,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3616: $5,461,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3617: $5,462,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3618: 5, 463, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3619: $5,464,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3620: $5,465,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3621: $5,466,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3622: $5,467,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3623: $5,468,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3624: $5,469,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3625: $5,470,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3626: $5,471,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3627: 5, 472, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3628: $5,473,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3629: $5,474,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3630: $5,475,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3631: 5, 476, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3632: $5,477,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3633: $5,478,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3634: 5, 479, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3635: $5,480,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3636: $5,481,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3637: 5, 482, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

3638: $5,483,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3639: $5,484,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3640: 5,485,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3641: $5,486,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3642: $5,487,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3643: $5,488,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3644: $5,489,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3645: $5,490,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3646: $5,491,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3647: $5,492,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3648: $5,493,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3649: $5,494,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3650: $5,495,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3651: $5,496,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3652: $5,497,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3653: $5,498,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3654: $5,499,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3655: $5,500,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3656: $5,501,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3657: $5,502,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3658: $5,503,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3659: $5,504,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3660: 5,505,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3661: $5,506,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3662: $5,507,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
3663: $5,508,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3664: $5,509,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3665: $5,510,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3666: $5,511,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3667: $5,512,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3668: $5,513,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3669: $5,514,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
3670: $5,515,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3671: $5,516,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3672: $5,517,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3673: $5,518,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3674: $5,519,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3675: $5,520,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3676: $5,521,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3677: $5,522,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3678: $5,523,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3679: $5,524,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3680: $5,525,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3681: $5,526,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3682: $5,527,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3683: $5,528,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3684: 5, 529, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3685: $5,530,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
3686: $5,531,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3687: $5,532,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3688: 5, $533,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3689: $5,534,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3690: $5,535,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3691: $5,536,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3692: $5,537,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3693: $5,538,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3694: $5,539,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3695: 5, 540, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3696: $5,541,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3697: $5,542,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3698: $5,543,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3699: $5,544,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3700: $5,545,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3701: $5,546,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

3702: $5,547,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3703: $5,548,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3704: 5, 549, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3705: $5,550,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3706: $5,551,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3707: $5,552,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3708: $5,553,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3709: 5, 554, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3710: $5,555,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3711: $5,556,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3712: $5,557,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3713: $5,558,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3714: 5, 559, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3715: $5,560,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3716: $5,561,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3717: $5,562,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3718: $5,563,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3719: $5,564,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3720: $5,565,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3721: $5,566,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3722: $5,567,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
3723: 5, $568,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3724: $5,569,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3725: 5, 570, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3726: $5,571,0,0,0,0,0,0, \theta, 0,0,0, \theta, \theta, 0,0,0,0,0, \theta, 0, " "$
3727: $5,572,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3728: $5,573,0,0,0,0,0,0, \theta, 0,0,0,0,0,0, \theta, 0,0,0, \theta, 0, " "$
3729: 5, $574,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3730: $5,575,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3731: $5,576,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3732: 5, $577,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3733: $5,578,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
3734: $5,579,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3735: $5,580,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3736: $5,581,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3737: $5,582,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3738: 5, 583, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3739: $5,584,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3740: 5,585,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3741: $5,586,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3742: $5,587,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3743: $5,588,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3744: $5,589,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3745: 5, 590, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3746: 5, 591, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3747: $5,592,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3748: $5,593,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3749: 5, 594, $0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
3750: $5,595,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3751: $5,596,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3752: $5,597,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3753: $5,598,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3754: 5, 599, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3755: 5, $600,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3756: 5, 601, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3757: $5,602,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3758: $5,603,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
3759: 5, 604, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3760: 5,605,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3761: $5,606,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3762: $5,607,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
3763: $5,608,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3764: 5, 609, $0,0,0,0,0,0, \theta, 0,0,0, \theta, \theta, 0,0,0,0,0, \theta, 0, " "$
3765: 5, 610, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

3766: 5, 611,0,0,0,0,0,0,0,0,0,0,0,0,0,0, $0,0,0,0,0, " "$
3767: 5, $612,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0, " "$
3768: 5, 613, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3769: 5, 614, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3770: 5, 615, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3771: 5, 616, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3772: 5, 617, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3773: 5, 618, $0,0,0,0,0,0,0,0,0,0, \theta, \theta, \theta, 0,0,0,0,0,0, " "$
3774: 5,619, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3775: 5, 620, $\theta, 0,0,0,0,0, \theta, \theta, \theta, \theta, \theta, \theta, \theta, \theta, \theta, \theta, \theta, \theta, 0, " "$
3776: 5, 621, $0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
3777: 5, 622,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,""
3778: 5, 623, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3779: 5, 624, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, $0,0,0,0,0,0, " "$
3780: 5, $625,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3781: 5, 626,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,""
3782: 5, 627,0,0, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3783: 5, 628,0, $0,0,0,0,0,0,0,0,0, \theta, \theta, \theta, \theta, \theta, \theta, 0,0,0, " "$
3784: 5, 629,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,""
3785: 5, 630, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3786: 5, 631, $0,0,0,0,0,0,0,0,0,0,0, \theta, 0, \theta, 0,0,0,0,0, " "$
3787: 5, 632, $0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0, " "$
3788: 5, 633, $\theta, 0,0,0,0,0,0,0,0,0,0, \theta, \theta, \theta, 0, \theta, 0,0,0, " "$
3789: 5, 634, $0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
3790: 5, 635,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,""
3791: 5, 636,0,0,0,0,0,0,0,0,0,0,0,0,0,0, $, 0,0,0,0, " "$
3792: 5,637,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,""
3793: 5, 638, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3794: 5,639, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3795: 5, 640, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3796: 5, 641, $0,0,0,0,0,0,0,0,0,0,0, \theta, \theta, 0,0,0,0,0,0, " "$
3797: 5, 642, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3798: 5, 643, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, $0,0,0,0,0,0,0, " "$
3799: 5, 644, $0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
3800: 5, 645, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3801: 5, 646, $0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0, " "$
3802: 5, 647, $0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
3803: 5, 648, $0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0, " "$
3804: 5,649,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,""
3805: 5, 650, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3806: 5,651, $0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
3807: 5, 652,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,""
3808: 5, 653, $0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
3809: 5, 654, $0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
3810: 5, 655, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, $0,0,0,0,0,0,0, " "$
3811: 5, 656, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, $0,0,0,0,0,0,0, " "$
3812: 5, 657, $0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
3813: 5, 658, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3814: 5, 659, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, $0,0,0,0,0,0, " "$
3815: 5, 660, $0,0,0,0,0,0,0,0,0,0, \theta, \theta, \theta, \theta, \theta, \theta, 0,0,0, " "$
3816: 5,661, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3817: 5, 662, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3818: $5,663,0,0,0,0,0,0,0,0, \theta, 0, \theta, \theta, \theta, 0,0,0,0,0,0, " "$
3819: 5,664, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3820: 5, 665, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3821: 5, 666, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3822: 5, 667, $0,0,0,0,0,0,0,0,0,0,0, \theta, 0, \theta, \theta, \theta, 0,0,0, " "$
3823: 5,668, $0,0,0,0,0,0,0,0,0,0, \theta, \theta, 0,0,0,0,0,0,0, " "$
3824: 5,669, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3825: 5, 670, $0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
3826: 5, 671, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3827: 5, 672, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3828: 5, $673,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0, " "$
3829: 5, 674, 0, 0, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

3830: $5,675,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3831: $5,676,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3832: $5,677,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3833: $5,678,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3834: 5, 679, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3835: 5, 680, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3836: $5,681,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3837: $5,682,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3838: 5, 683, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3839: 5,684,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3840: 5,685,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3841: $5,686,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3842: $5,687,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3843: $5,688,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3844: $5,689,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3845: $5,690,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3846: $5,691,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3847: $5,692,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3848: 5, 693, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3849: $5,694,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3850: $5,695,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3851: 5, 696, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3852: $5,697,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3853: 5, 698, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3854: $5,699,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3855: $5,700,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3856: $5,701,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3857: $5,702,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3858: $5,703,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3859: $5,704,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3860: $5,705,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3861: $5,706,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3862: $5,707,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3863: $5,708,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3864: 5, 709, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3865: $5,710,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3866: $5,711,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3867: $5,712,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3868: $5,713,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3869: $5,714,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, \theta, " "$
3870: $5,715,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3871: 5, 716, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3872: $5,717,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3873: $5,718,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3874: $5,719,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3875: $5,720,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3876: $6,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3877: $6,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
3878: $6,2,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3879: $6,3,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3880: $6,4,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
3881: $6,5,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3882: $6,6,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3883: $6,7,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
3884: $6,8,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3885: $6,9,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3886: $6,10,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3887: $6,11,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3888: $6,12,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3889: $6,13,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3890: $6,14,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0, " "$
3891: $6,15,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3892: $6,16,0,0,0,0,0,0,0,0,0, \theta, 0,0, \theta, 0,0,0,0,0,0, " "$
3893: $6,17,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

3894: $6,18,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3895: $6,19,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3896: $6,20,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$,
3897: $6,21,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, '$
3898: $6,22,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$,
3899: $6,23,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3900: $6,24,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3901: $6,25,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3902: $6,26,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0, " "$
3903: $6,27,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3904: $6,28,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3905: $6,29,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
3906: $6,30,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3907: $6,31,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, "$
3908: $6,32,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3909: $6,33,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3910: $6,34,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, "$
3911: $6,35,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3912: $6,36,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3913: $6,37,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3914: $6,38,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, '$
3915: $6,39,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3916: $6,40,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3917: $6,41,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3918: $6,42,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3919: $6,43,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3920: $6,44,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3921: $6,45,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3922: $6,46,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3923: $6,47,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, "$
3924: $6,48,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3925: $6,49,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0, " "$
3926: $6,50,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3927: $6,51,0,0,0,0,0,0, \theta, 0,0, \theta, 0,0, \theta, 0,0,0, \theta, \theta, 0, " "$
3928: $6,52,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3929: $6,53,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3930: $6,54,0,0,0,0,0,0,0, \theta, 0,0,0,0, \theta, 0,0,0,0,0,0, " "$
3931: $6,55,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3932: $6,56,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3933: $6,57,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3934: $6,58,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3935: $6,59,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3936: $6,60,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, "$
3937: $6,61,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3938: $6,62,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3939: $6,63,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3940: $6,64,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3941: $6,65,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3942: $6,66,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3943: $6,67,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0, " "$
3944: $6,68,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3945: $6,69,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3946: $6,70,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3947: $6,71,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
3948: $6,72,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3949: $6,73,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3950: $6,74,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " '$
3951: $6,75,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3952: $6,76,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3953: $6,77,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3954: $6,78,0,0,0,0,0,0, \theta, 0,0, \theta, 0, \theta, \theta, 0,0,0,0, \theta, 0, " "$
3955: $6,79,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3956: $6,80,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3957: $6,81,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

3958: $6,82,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3959: $6,83,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3960: $6,84,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
3961: $6,85,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, "$
3962: $6,86,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3963: $6,87,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3964: $6,88,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3965: $6,89,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0, " "$
3966: $6,90,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3967: $6,91,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3968: $6,92,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0, " "$
3969: $6,93,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3970: $6,94,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0, " "$
3971: $6,95,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0, " "$
3972: $6,96,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3973: $6,97,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3974: $6,98,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, '$
3975: $6,99,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3976: $6,100,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3977: $6,101,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3978: $6,102,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3979: $6,103,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3980: $6,104,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3981: $6,105,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3982: $6,106,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3983: $6,107,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3984: $6,108,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3985: $6,109,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3986: $6,110,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3987: $6,111,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3988: $6,112,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3989: $6,113,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3990: $6,114,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3991: $6,115,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3992: $6,116,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3993: $6,117,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3994: $6,118,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3995: $6,119,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3996: $6,120,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3997: $6,121,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3998: $6,122,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3999: $6,123,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4000: $6,124,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4001: $6,125,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4002: $6,126,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4003: $6,127,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4004: $6,128,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4005: $6,129,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4006: $6,130,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4007: $6,131,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4008: $6,132,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4009: $6,133,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4010: $6,134,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4011: $6,135,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4012: $6,136,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4013: $6,137,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4014: $6,138,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4015: $6,139,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4016: $6,140,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4017: $6,141,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4018: $6,142,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4019: $6,143,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4020: $6,144,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4021: $6,145,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

4022: $6,146,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4023: $6,147,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4024: $6,148,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4025: $6,149,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4026: $6,150,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
4027: $6,151,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4028: $6,152,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4029: $6,153,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4030: $6,154,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4031: $6,155,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4032: $6,156,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4033: $6,157,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4034: $6,158,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4035: $6,159,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4036: $6,160,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4037: $6,161,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4038: $6,162,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4039: $6,163,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4040: $6,164,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4041: $6,165,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4042: $6,166,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4043: $6,167,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4044: $6,168,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4045: $6,169,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4046: $6,170,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
4047: $6,171,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4048: $6,172,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4049: $6,173,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4050: $6,174,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4051: $6,175,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4052: $6,176,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4053: $6,177,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4054: $6,178,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4055: $6,179,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4056: $6,180,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4057: $6,181,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4058: $6,182,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4059: $6,183,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4060: $6,184,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4061: $6,185,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4062: $6,186,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4063: $6,187,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4064: $6,188,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4065: $6,189,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4066: $6,190,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4067: $6,191,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4068: $6,192,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4069: $6,193,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4070: $6,194,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4071: $6,195,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4072: $6,196,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4073: $6,197,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4074: $6,198,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4075: $6,199,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4076: $6,200,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4077: $6,201,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4078: $6,202,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4079: $6,203,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4080: $6,204,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4081: $6,205,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4082: $6,206,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
4083: $6,207,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4084: $6,208,0,0,0,0,0,0, \theta, 0,0,0, \theta, 0,0,0,0,0,0, \theta, 0, " "$
4085: 6, 209, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

4086: $6,210,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
4087: $6,211,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4088: $6,212,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4089: $6,213,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4090: $6,214,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4091: $6,215,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4092: $6,216,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4093: 6, 217, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4094: $6,218,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4095: $6,219,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4096: $6,220,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4097: $6,221,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4098: $6,222,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4099: $6,223,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4100: $6,224,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4101: $6,225,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4102: $6,226,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
4103: $6,227,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4104: $6,228,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4105: $6,229,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4106: $6,230,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
4107: $6,231,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4108: $6,232,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4109: $6,233,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4110: $6,234, \theta, 0,0,0,0, \theta, 0, \theta, \theta, 0,0,0, \theta, \theta, \theta, 0,0, \theta, 0, " "$
4111: $6,235,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4112: $6,236,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4113: $6,237,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4114: $6,238,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4115: $6,239,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4116: $6,240,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4117: $6,241,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4118: $6,242,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4119: $6,243,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
4120: $6,244,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4121: $6,245,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4122: $6,246,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4123: $6,247,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4124: $6,248,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4125: $6,249,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4126: $6,250,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, " "$
4127: $6,251,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4128: $6,252,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4129: $6,253,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4130: $6,254,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4131: $6,255,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4132: $6,256,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4133: $6,257,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4134: $6,258,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4135: $6,259,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4136: $6,260,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4137: $6,261,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4138: $6,262,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4139: $6,263,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4140: $6,264,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4141: $6,265,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4142: $6,266,0,0,0,0,0, \theta, 0,0, \theta, 0,0,0,0,0,0,0,0, \theta, 0, " "$
4143: $6,267,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4144: $6,268,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4145: $6,269,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4146: $6,270,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4147: $6,271,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4148: $6,272,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
4149: $6,273,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

4150: $6,274,0,0,0,0,0, \theta, \theta, 0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
4151: $6,275,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4152: $6,276,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4153: $6,277,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4154: $6,278,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4155: $6,279,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4156: $6,280,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4157: $6,281,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4158: $6,282,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4159: $6,283,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4160: $6,284,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4161: $6,285,0,0,0,0,0, \theta, 0,0, \theta, 0,0,0,0,0,0,0,0, \theta, 0, " "$
4162: $6,286,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4163: $6,287,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4164: $6,288,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4165: $6,289,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4166: $6,290,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4167: $6,291,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4168: $6,292,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4169: $6,293,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4170: $6,294,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
4171: $6,295,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4172: $6,296,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4173: $6,297,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4174: $6,298,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4175: $6,299,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4176: $6,300,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
4177: $6,301,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4178: $6,302,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4179: $6,303,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4180: $6,304,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4181: $6,305,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4182: $6,306,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4183: $6,307,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4184: $6,308,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4185: $6,309,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4186: $6,310,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4187: $6,311,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4188: $6,312,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4189: $6,313,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4190: $6,314,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4191: $6,315,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4192: $6,316,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4193: $6,317,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4194: $6,318,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4195: $6,319,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4196: $6,320,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4197: $6,321,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4198: $6,322,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4199: $6,323,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4200: $6,324,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4201: $6,325,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4202: $6,326,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4203: $6,327,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4204: $6,328,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4205: $6,329,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4206: $6,330,0,0,0,0,0, \theta, 0,0, \theta, 0,0,0,0,0,0,0,0, \theta, 0, " "$
4207: $6,331,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4208: $6,332,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4209: $6,333,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4210: $6,334,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4211: $6,335,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4212: $6,336,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4213: $6,337,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

4214: $6,338,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4215: $6,339,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4216: $6,340,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4217: $6,341,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4218: $6,342,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4219: $6,343,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4220: $6,344,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4221: $6,345,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4222: $6,346,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4223: $6,347,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4224: $6,348,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4225: $6,349,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
4226: $6,350,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4227: $6,351,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4228: $6,352,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4229: $6,353,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4230: $6,354,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4231: $6,355,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4232: $6,356,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4233: $6,357,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4234: $6,358,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4235: $6,359,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4236: $6,360,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4237: $6,361,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4238: $6,362,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
4239: $6,363,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4240: $6,364,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4241: $6,365,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4242: $6,366,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4243: $6,367,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4244: $6,368,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4245: $6,369,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4246: $6,370,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4247: $6,371,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4248: $6,372,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4249: $6,373,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4250: $6,374,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4251: $6,375,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4252: $6,376,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4253: $6,377,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4254: $6,378,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4255: $6,379,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4256: $6,380,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4257: $6,381,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4258: $6,382,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4259: $6,383,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4260: $6,384,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4261: $6,385,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4262: $6,386,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4263: $6,387,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4264: $6,388,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4265: $6,389,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4266: $6,390,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4267: $6,391,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4268: $6,392,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4269: $6,393,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4270: $6,394,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4271: $6,395,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4272: $6,396,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4273: $6,397,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4274: $6,398,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4275: $6,399,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4276: $6,400,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4277: $6,401,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

4278: $6,402,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
4279: $6,403,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4280: $6,404,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4281: $6,405,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4282: $6,406,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4283: $6,407,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4284: $6,408,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4285: $6,409,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4286: $6,410,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4287: $6,411,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4288: $6,412,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4289: $6,413,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4290: $6,414,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4291: $6,415,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4292: $6,416,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4293: $6,417,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4294: $6,418,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4295: $6,419,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4296: $6,420,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4297: $6,421,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4298: $6,422,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
4299: $6,423,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4300: $6,424,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4301: $6,425,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4302: $6,426,0,0,0,0,0, \theta, \theta, 0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
4303: $6,427,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4304: $6,428,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4305: $6,429,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4306: $6,430,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4307: $6,431,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4308: $6,432,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4309: $6,433,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4310: $6,434,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4311: $6,435,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4312: $6,436,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4313: $6,437,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4314: $6,438,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4315: $6,439,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4316: $6,440,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4317: $6,441,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4318: $6,442,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4319: $6,443,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4320: $6,444,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4321: $6,445,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4322: $6,446,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4323: $6,447,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4324: $6,448,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4325: $6,449,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4326: $6,450,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4327: $6,451,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4328: $6,452,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4329: $6,453,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4330: $6,454,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4331: $6,455,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4332: $6,456,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4333: $6,457,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4334: $6,458,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4335: $6,459,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4336: $6,460,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4337: $6,461,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4338: $6,462,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4339: $6,463,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4340: $6,464,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4341: $6,465,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

4342: $6,466,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4343: $6,467,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4344: $6,468,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4345: $6,469,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4346: $6,470,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4347: $6,471,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4348: $6,472,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4349: $6,473,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4350: $6,474,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4351: $6,475,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4352: $6,476,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4353: $6,477,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4354: $6,478,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4355: $6,479,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4356: $6,480,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4357: $6,481,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4358: $6,482,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4359: $6,483,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4360: $6,484,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4361: $6,485,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4362: $6,486,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4363: $6,487,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4364: $6,488,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4365: $6,489,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4366: $6,490,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4367: $6,491,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4368: $6,492,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4369: $6,493,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4370: $6,494,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4371: $6,495,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4372: $6,496,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4373: $6,497,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4374: $6,498,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4375: $6,499,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0, \theta, 0, " "$
4376: $6,500,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4377: 6, $501,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4378: $6,502,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4379: $6,503,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4380: $6,504,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4381: $6,505,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4382: $6,506,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4383: $6,507,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4384: $6,508,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4385: $6,509,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4386: 6, $510,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4387: $6,511,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4388: $6,512,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4389: $6,513,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4390: $6,514,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4391: $6,515,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4392: $6,516,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4393: $6,517,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4394: $6,518,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4395: $6,519,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4396: $6,520,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4397: $6,521,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4398: $6,522,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
4399: $6,523,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4400: $6,524,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4401: $6,525,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4402: $6,526,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4403: $6,527,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4404: $6,528,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4405: $6,529,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

4406: $6,530,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
4407: $6,531,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4408: $6,532,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4409: $6,533,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4410: $6,534,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4411: $6,535,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4412: $6,536,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4413: $6,537,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4414: $6,538,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4415: $6,539,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4416: $6,540,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4417: $6,541,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
4418: $6,542,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4419: $6,543,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4420: $6,544,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4421: $6,545,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4422: $6,546,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4423: $6,547,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4424: $6,548,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4425: $6,549,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4426: $6,550,0,0,0,0,0, \theta, 0,0,0,0,0,0, \theta, \theta, 0,0,0, \theta, 0, " "$
4427: $6,551,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4428: $6,552,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4429: $6,553,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4430: $6,554,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4431: $6,555,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4432: $6,556,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4433: $6,557,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4434: $6,558,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4435: $6,559,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4436: $6,560,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4437: $6,561,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
4438: $6,562,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4439: $6,563,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
4440: $6,564,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4441: $6,565,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4442: $6,566,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4443: $6,567,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4444: $6,568,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4445: $6,569,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4446: $6,570,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4447: $6,571,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4448: $6,572,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4449: $6,573,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4450: $6,574,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4451: $6,575,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4452: $6,576,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4453: $6,577,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4454: $6,578,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4455: $6,579,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4456: $6,580,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4457: $6,581,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4458: $6,582,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4459: $6,583,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4460: $6,584,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4461: $6,585,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4462: $6,586,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
4463: $6,587,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4464: $6,588,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4465: $6,589,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4466: $6,590,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4467: $6,591,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4468: $6,592,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4469: $6,593,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

4470: $6,594,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4471: $6,595,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4472: $6,596,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4473: $6,597,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4474: $6,598,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4475: $6,599,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4476: $6,600,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4477: $6,601,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4478: $6,602,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4479: $6,603,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4480: $6,604,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4481: $6,605,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
4482: $6,606,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4483: $6,607,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4484: $6,608,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4485: $6,609,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4486: $6,610,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4487: $6,611,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4488: $6,612,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4489: $6,613,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4490: $6,614,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
4491: $6,615,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4492: $6,616,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4493: $6,617,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4494: $6,618,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4495: $6,619,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4496: $6,620,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
4497: $6,621,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4498: $6,622,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4499: $6,623,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4500: $6,624,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
4501: $6,625,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4502: $6,626,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4503: $6,627,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4504: $6,628,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4505: $6,629,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4506: $6,630,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4507: $6,631,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4508: $6,632,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4509: $6,633,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4510: $6,634,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4511: $6,635,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4512: $6,636,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4513: $6,637,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
4514: $6,638,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4515: $6,639,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4516: $6,640,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4517: $6,641,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4518: $6,642,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4519: $6,643,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4520: $6,644,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4521: $6,645,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4522: $6,646,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4523: $6,647,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4524: $6,648,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4525: $6,649,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4526: $6,650, \theta, 0,0, \theta, 0,0, \theta, 0,0,0,0, \theta, 0, \theta, 0,0,0, \theta, 0, " "$
4527: $6,651,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4528: $6,652,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4529: $6,653,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4530: $6,654,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4531: $6,655,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4532: $6,656,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
4533: $6,657,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

4534: $6,658,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, \theta, 0,0,0,0,0, " "$
4535: $6,659,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4536: $6,660,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4537: $6,661,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4538: $6,662,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4539: $6,663,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4540: $6,664,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4541: $6,665,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4542: $6,666,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4543: $6,667,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4544: $6,668,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4545: $6,669,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4546: $6,670,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4547: $6,671,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4548: $6,672,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4549: $6,673,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4550: $6,674,0,0,0,0,0, \theta, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
4551: $6,675,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4552: $6,676,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4553: $6,677,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4554: $6,678,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4555: $6,679,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4556: $6,680,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4557: $6,681,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4558: $6,682,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4559: $6,683,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4560: $6,684,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4561: $6,685,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4562: $6,686,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4563: $6,687,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4564: $6,688,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4565: $6,689,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
4566: $6,690,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4567: $6,691,0,0,0,0,0,0, \theta, 0,0,0, \theta, \theta, 0,0,0,0,0,0,0, " "$
4568: $6,692,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4569: $6,693,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4570: $6,694,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4571: $6,695,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4572: $6,696,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4573: $6,697,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4574: $6,698,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4575: $6,699,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4576: $6,700,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4577: $6,701,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4578: $6,702,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4579: $6,703,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4580: $6,704,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4581: $6,705,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4582: $6,706,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4583: $6,707,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4584: $6,708,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4585: $6,709,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4586: $6,710,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4587: $6,711,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4588: $6,712,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4589: $6,713,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4590: $6,714,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
4591: $6,715,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4592: $6,716,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4593: $6,717,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4594: $6,718,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4595: $6,719,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4596: $6,720, \theta, 0,0, \theta, 0, \theta, \theta, 0,0,0, \theta, \theta, 0, \theta, 0,0,0, \theta, 0, " "$
4597: 7, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

4598: 7, $1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, '$
4599: 7, 2, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
4600: $7,3,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4601: $7,4,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4602: 7, $5,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, " "$
4603: $7,6,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4604: $7,7,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4605: 7, $8,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, \theta, " "$
4606: 7, $9,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4607: 7, 10, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4608: 7, 11, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4609: 7, 12, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4610: $7,13,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4611: $7,14,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,{ }^{\prime}$
4612: 7, 15, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4613: 7, 16, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4614: 7, 17, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, "$
4615: 7, 18, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4616: 7, 19, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4617: 7, 20, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, ""
4618: 7, 21, $0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0, \theta, 0,0,0,0$,
4619: 7, 22, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4620: 7, 23, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4621: 7, 24, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,{ }^{\prime}$
4622: 7, $25,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4623: 7, $26,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4624: 7, 27, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4625: 7, 28, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4626: 7, 29, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4627: 7, $30,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, "$
4628: 7, 31, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4629: 7, 32, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4630: 7, 33, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4631: 7, 34, $0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " '$
4632: $7,35,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4633: 7, 36, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4634: 7, 37, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4635: 7, 38, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4636: 7, 39, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4637: 7, 40, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4638: 7, 41, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4639: 7, 42, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4640: $7,43,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,{ }^{\prime}$
4641: 7, 44, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
4642: 7, 45, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4643: 7, 46, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4644: 7, 47, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4645: 7, 48, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4646: 7, 49, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4647: 7, $50,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4648: 7, $51,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4649: 7, $52,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
4650: 7, $53,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4651: 7, 54, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4652: 7, 55, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4653: 7, $56,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4654: 7, $57,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
4655: 7, $58,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4656: 7, 59, $0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
4657: 7, 60, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4658: 7, $61,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4659: 7, 62, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

4661: $7,64,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

4662: 7, $65,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0, \theta, 0,0,0,0, "$
4663: 7, $66,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
4664: 7, $67,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$,
4665: $7,68,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, "$
4666: 7, 69, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$,
4667: $7,70,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
4668: 7, 71, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4669: 7, 72, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4670: 7, 73, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$,
4671: 7, 74, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, "'"
4672: 7, 75, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
4673: 7, 76, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4674: 7, 77, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$,
4675: 7, 78, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,{ }^{\prime}$
4676: 7,79, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
4677: 7, $80,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4678: $7,81,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, "$
4679: 7, $82,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4680: 7, $83,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4681: 7, 84, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4682: $7,85,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0, \theta, 0,0,0,0,{ }^{\prime}$
4683: 7, $86,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4684: 7, $87,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4685: $7,88,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, "$
4686: 7, $89,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4687: 7, $90,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4688: 7, $91,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4689: 7, $92,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " '$
4690: 7, $93,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4691: 7, $94,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4692: 7, $95,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4693: 7, $96,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4694: 7, $97,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4695: 7, $98,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0, " "$
4696: 7, $99,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4697: 7, 100, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4698: 7, 101, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4699: 7, 102, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4700: 7, 103, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4701: 7, 104, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4702: 7, 105, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4703: 7, 106, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4704: 7, 107, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4705: 7, 108, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4706: 7, 109, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4707: 7, 110, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, ""
4708: 7, 111, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4709: 7, 112, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4710: 7, 113, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4711: 7, 114, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4712: 7, 115, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4713: 7, 116, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4714: 7, 117, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4715: 7, 118, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4716: 7, 119, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4717: 7, 120, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4718: 7, 121, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4719: 7, 122, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4720: 7, 123, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4721: 7, 124, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4722: 7, 125, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4723: 7, 126, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4724: 7, 127, $0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
4725: 7, 128, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

4726: 7, 129, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
4727: 7, 130, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4728: 7, 131, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4729: 7, 132, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4730: 7, 133, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4731: 7, 134, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4732: 7, 135, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4733: 7, 136, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4734: 7, 137, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4735: 7, 138, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4736: 7, 139, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4737: 7, 140, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4738: 7, 141, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4739: 7, 142, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4740: 7, 143, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4741: 7, 144, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4742: 7, 145, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4743: 7, 146, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4744: 7, 147, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,""
4745: 7, 148, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, ""
4746: 7, 149, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4747: 7, 150, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4748: 7, 151, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4749: 7, 152, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4750: $7,153,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4751: 7, 154, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4752: 7, 155, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4753: 7, 156, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4754: 7, 157, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4755: 7, 158, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4756: 7, 159, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4757: 7, 160, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4758: 7, 161, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4759: 7, 162, $0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
4760: 7, 163, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4761: 7, 164, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, ""
4762: 7, 165, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4763: 7, 166, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4764: 7, 167, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4765: 7, 168, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4766: 7, 169, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4767: 7, 170, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4768: 7, 171, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4769: 7, 172, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4770: 7, 173, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4771: $7,174,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4772: 7, 175, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4773: 7, 176, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4774: 7, 177, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4775: 7, 178, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4776: 7, 179, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4777: 7, 180, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4778: 7, 181, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4779: 7, 182, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4780: 7, 183, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4781: 7, 184, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4782: 7, 185, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4783: 7, 186, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4784: 7, 187, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4785: 7, 188, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4786: 7, 189, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4787: 7, 190, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4788: 7, 191, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
4789: 7, 192, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

4790: 7, 193, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4791: 7, 194, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4792: 7, 195, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4793: 7, 196, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4794: 7, 197, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4795: 7, 198, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,""
4796: 7, 199, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4797: 7, 200, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4798: 7, 201, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4799: 7, 202, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4800: 7, 203, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4801: 7, 204, $0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
4802: 7, 205, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4803: 7, 206, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4804: 7, 207, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4805: 7, 208, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4806: 7, 209, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4807: 7, 210, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4808: 7, 211, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4809: 7, 212, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4810: 7, 213, $0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
4811: 7, 214, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4812: 7, 215, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4813: 7, 216, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4814: 7, 217, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4815: 7, 218, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4816: 7, 219, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4817: 7, 220, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4818: 7, 221, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4819: 7, 222, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4820: 7, 223, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4821: 7, 224, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4822: 7, 225, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4823: 7, 226, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4824: 7, 227, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4825: 7, 228, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, ""
4826: 7, 229, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4827: 7, 230, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4828: 7, 231, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4829: 7, 232, $0,0,0,0,0,0,0,0,0,0,0, \theta, 0, \theta, 0,0,0, \theta, \theta, " "$
4830: 7, 233, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4831: 7, $234,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4832: 7, 235, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4833: 7, 236, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4834: 7, $237,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4835: 7, $238,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4836: 7, 239, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4837: 7, $240,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4838: 7, 241, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4839: 7, 242, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4840: 7, $243,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4841: 7, $244,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4842: 7, $245,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4843: 7, 246, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4844: 7, $247,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4845: 7, 248, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4846: 7, 249, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4847: 7, 250, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4848: 7, 251, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4849: 7, 252, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4850: 7, 253, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4851: 7, 254, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, ""
4852: 7, 255, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
4853: 7, 256, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

4854: 7, 257, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
4855: 7, 258, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4856: 7, 259, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4857: 7, $260,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4858: 7, $261,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4859: 7, $262,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4860: 7, $263,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4861: 7, $264,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4862: 7, $265,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4863: 7, $266,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4864: 7, $267,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4865: 7, 268, $0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
4866: 7, $269,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4867: 7, 270, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4868: 7, 271, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4869: 7, $272,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4870: 7, $273,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4871: 7, 274, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4872: 7, 275, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4873: 7, 276, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4874: 7, 277, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4875: 7, 278, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4876: 7, 279, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4877: 7, 280, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4878: 7, 281, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4879: 7, $282,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4880: 7, $283,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4881: 7, 284, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4882: 7, $285,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4883: 7, 286, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4884: 7, 287, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4885: 7, $288,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4886: 7, 289, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4887: 7, 290, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4888: 7, 291, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4889: 7, 292, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4890: 7, 293, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4891: 7, 294, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4892: 7, 295, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4893: 7, 296, $0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
4894: 7, 297, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4895: 7, 298, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4896: 7, 299, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4897: 7, $300,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4898: 7, $301,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4899: 7, $302,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4900: 7, $303,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4901: 7, $304,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4902: 7, 305, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, ""
4903: 7, $306,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4904: 7, $307,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4905: 7, $308,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4906: 7, $309,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4907: 7, $310,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4908: 7, 311, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4909: 7, 312, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4910: 7, 313, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

4912: 7, $315,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4913: 7, 316, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4914: 7, $317,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4915: 7, $318,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4916: 7, 319, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4917: 7, 320, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

4918: 7, 321, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4919: 7, $322,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4920: 7, $323,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4921: 7, 324, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4922: 7, 325, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4923: 7, 326, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4924: 7, $327,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4925: 7, 328, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4926: 7, 329, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4927: 7, $330,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4928: 7, 331, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4929: 7, 332, $0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
4930: 7, $333,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4931: 7, 334, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4932: 7, $335,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4933: 7, $336,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4934: 7, $337,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4935: 7, 338, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4936: 7, $339,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4937: 7, $340,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4938: 7, 341, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4939: 7, $342,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4940: 7, $343,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4941: 7, $344,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4942: 7, $345,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4943: 7, $346,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4944: 7, $347,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4945: 7, 348, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4946: 7, $349,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4947: 7, $350,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4948: 7, 351, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4949: 7, $352,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4950: 7, $353,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4951: 7, 354, $0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
4952: 7, 355, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4953: 7, $356,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4954: 7, 357, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4955: 7, 358, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4956: 7, 359, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4957: 7, $360,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4958: 7, 361, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4959: 7, $362,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4960: 7, $363,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4961: 7, $364,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4962: 7, $365,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4963: 7, $366,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4964: 7, $367,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4965: 7, $368,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4966: 7, $369,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4967: 7, $370,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4968: 7, 371, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4969: 7, $372,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4970: 7, $373,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4971: 7, $374,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4972: 7, $375,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4973: 7, $376,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4974: 7, $377,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4975: 7, $378,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4976: 7, $379,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4977: 7, 380, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4978: 7, 381, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4979: 7, $382,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4980: 7, $383,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4981: $7,384,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

4982: 7, $385,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4983: 7, $386,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4984: 7, $387,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4985: 7, $388,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4986: 7, $389,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
4987: 7, $390,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4988: 7, 391, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4989: 7, $392,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4990: 7, 393, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4991: 7, $394,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4992: 7, $395,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4993: 7, $396,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4994: 7, $397,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4995: 7, $398,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4996: 7, 399, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4997: 7, 400, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4998: 7, 401, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4999: 7, 402, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5000: 7, 403, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5001: 7, 404, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5002: 7, 405, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5003: 7, 406, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5004: 7, 407, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5005: 7, 408, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5006: 7, 409, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5007: 7, 410, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5008: 7, 411, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5009: 7,412, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5010: 7, 413, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5011: 7, 414, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5012: 7, 415, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5013: 7, 416, $0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
5014: 7, 417, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5015: 7, 418, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5016: 7, 419, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5017: 7, 420, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5018: 7, 421, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5019: 7, 422, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5020: 7, 423, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5021: 7, 424, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5022: 7, 425, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5023: 7, 426, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5024: 7, $427,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5025: 7, 428, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5026: 7, 429, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5027: 7, 430, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5028: 7,431, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5029: 7,432, $0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
5030: 7, 433, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5031: 7, 434, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5032: 7, 435, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5033: 7, 436, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5034: 7, 437, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5035: 7,438, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5036: 7,439, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5037: 7, 440, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5038: 7,441, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5039: 7, 442, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5040: 7, 443, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5041: 7,444, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5042: 7, 445, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5043: 7, 446, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5044: 7, 447, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5045: 7, 448, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,""

5046: 7,449, $0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
5047: 7, 450, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5048: 7, 451, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5049: 7, 452, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5050: 7, 453, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5051: 7, 454, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5052: 7, 455, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5053: 7,456, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5054: 7, 457, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5055: 7, 458, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5056: 7, 459, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5057: 7, 460, $0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
5058: 7, 461, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5059: 7, 462, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5060: 7,463, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5061: 7, 464, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5062: 7, 465, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5063: 7, 466, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5064: 7, $467,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5065: 7, 468, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5066: 7,469, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5067: 7, 470, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5068: 7, 471, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5069: 7, 472, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5070: 7, 473, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5071: 7, 474, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,""
5072: 7, 475, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5073: 7,476, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5074: 7, 477, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5075: 7, 478, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5076: 7,479, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5077: 7, 480, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5078: 7, 481, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5079: 7, 482, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5080: 7, 483, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5081: 7, 484, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, $0, " "$
5082: 7, 485, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5083: 7, 486, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5084: 7, 487, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5085: 7, 488, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5086: 7,489, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5087: 7, 490, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5088: 7, 491, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5089: 7, 492, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5090: 7, 493, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5091: 7, 494, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5092: 7, 495, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5093: 7, 496, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5094: 7, 497, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5095: 7, 498, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5096: 7, 499, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5097: 7, $500,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5098: 7, $501,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5099: 7, $502,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5100: 7, 503, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5101: 7, $504,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5102: 7, $505,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
5103: 7, $506,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5104: 7, $507,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5105: 7, $508,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5106: 7, $509,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5107: 7, $510,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5108: 7, 511, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5109: 7,512, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,""

5110: 7, $513,0,0,0,0,0, \theta, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
5111: 7, $514,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5112: 7, $515,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5113: 7, $516,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5114: 7, $517,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5115: 7, $518,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5116: 7, $519,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5117: 7, $520,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5118: 7, $521,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5119: 7, $522,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5120: 7, 523, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5121: 7, $524,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
5122: 7, $525,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5123: 7, $526,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5124: 7, $527,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5125: 7, $528,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5126: 7, $529,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
5127: 7, $530,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5128: 7, 531, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5129: 7, $532,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5130: 7, $533,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
5131: 7, 534, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5132: 7, $535,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5133: 7, $536,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5134: 7, 537, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5135: 7, 538, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5136: 7, $539,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
5137: 7, 540, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,""
5138: 7, $541,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5139: 7, $542,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5140: 7, $543,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5141: 7, $544,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5142: 7, 545, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5143: 7, $546,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5144: 7, $547,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5145: 7, 548, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5146: 7, 549, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5147: 7,550, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5148: 7,551, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, $0,0,0,0,0,0,0,0,0, " "$
5149: 7,552, $0,0,0,0,0,0,0,0,0,0,0, \theta, 0, \theta, 0,0,0, \theta, \theta, " "$
5150: 7, 553, 0, 0, 0, 0, 0, 0, 0, 0, $0,0,0,0,0,0,0,0,0,0,0, " "$
5151: 7, 554, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5152: 7,555, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5153: 7,556, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5154: 7, $557,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5155: 7, 558, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5156: 7, $559,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5157: 7, $560,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5158: 7, $561,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5159: 7, $562,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5160: 7, $563,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
5161: 7, $564,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5162: 7, $565,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5163: 7, $566,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5164: 7, $567,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5165: 7, $568,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5166: 7, $569,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
5167: 7, $570,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5168: 7, $571,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5169: 7, $572,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5170: 7, $573,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5171: 7, $574,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5172: 7, 575, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
5173: 7, 576, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,""

5174: 7, $577,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5175: 7, $578,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5176: 7, $579,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5177: 7, $580,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5178: 7, $581,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5179: 7, $582,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5180: 7, 583, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5181: 7, 584, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,""
5182: 7, 585, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5183: 7, $586,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5184: 7, $587,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5185: 7, 588, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,""
5186: 7, 589, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5187: 7, 590, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5188: 7, $591,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5189: 7, $592,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5190: 7, 593, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5191: 7, $594,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5192: 7, $595,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5193: 7, $596,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5194: 7, $597,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
5195: 7, 598, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5196: 7, $599,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5197: 7, $600,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5198: 7, $601,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5199: 7, $602,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5200: 7, $603,0,0,0,0,0,0, \theta, 0,0,0,0, \theta, 0,0,0,0,0, \theta, \theta, " "$
5201: 7, $604,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5202: 7, $605,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5203: 7, $606,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5204: 7, $607,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5205: 7, 608, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5206: 7, 609, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5207: 7, $610,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
5208: 7, 611, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5209: 7, 612, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5210: 7, $613,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5211: 7, $614,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5212: 7, 615, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5213: 7, $616,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5214: 7, 617, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5215: 7, $618,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5216: 7, $619,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5217: 7, $620,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5218: 7, $621,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5219: 7, $622,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5220: 7, $623,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5221: 7, $624,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5222: 7, 625, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5223: 7, $626,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5224: 7, $627,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
5225: 7, $628,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5226: 7, $629,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
5227: 7, $630,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5228: 7, $631,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5229: 7, $632,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5230: 7, $633,0,0,0, \theta, 0,0, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
5231: 7, $634,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5232: 7, $635,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5233: 7, $636,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5234: 7, $637,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5235: 7, 638, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5236: 7, $639,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
5237: 7, 640, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

5238: 7, 641, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5239: 7, $642,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5240: 7, 643, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5241: 7, $644,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5242: 7, $645,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5243: 7, $646,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5244: 7, 647, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5245: 7, $648,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5246: 7, 649, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5247: 7, 650, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5248: 7, $651,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5249: 7, $652,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5250: 7, $653,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5251: 7, 654, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5252: 7, $655,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5253: 7, $656,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5254: 7, $657,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5255: 7, 658, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5256: 7, 659, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5257: 7, 660, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5258: 7, $661,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
5259: 7, $662,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5260: 7, $663,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5261: 7, $664,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5262: 7, $665,0,0,0, \theta, 0,0, \theta, 0,0,0, \theta, \theta, 0,0,0,0,0, \theta, 0, " "$
5263: 7, $666,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5264: 7, $667,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5265: 7, $668,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5266: 7, $669,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5267: 7, $670,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5268: 7, $671,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5269: 7, $672,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
5270: 7, $673,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5271: 7, $674,0,0,0,0,0,0, \theta, 0,0,0, \theta, \theta, 0,0,0,0,0, \theta, 0, " "$
5272: 7, $675,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5273: 7, $676,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5274: 7, $677,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5275: 7, $678,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5276: 7, $679,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5277: 7, $680,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5278: 7, 681, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5279: 7, 682, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5280: 7, 683, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5281: 7, $684,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5282: 7, $685,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5283: 7, $686,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5284: 7, $687,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5285: 7, $688,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5286: 7, 689, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5287: 7, 690, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5288: 7, $691,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5289: 7, $692,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5290: 7, $693,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5291: 7, 694, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5292: 7, $695,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5293: 7, 696, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5294: 7, $697,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
5295: 7, $698,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5296: 7, 699, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5297: 7, 700, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5298: 7, 701, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5299: 7, 702, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5300: 7, 703, $0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
5301: 7, 704, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,""

5302: 7, 705, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5303: 7, 706, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5304: 7, 707, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5305: 7, 708, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5306: 7, 709, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5307: 7, 710, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5308: 7, 711, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5309: 7, 712, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5310: 7, 713, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5311: 7, 714, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,""
5312: 7, 715, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5313: 7, 716, $0,0,0,0,0, \theta, 0,0,0,0,0,0,0, \theta, 0,0,0, \theta, 0, " "$
5314: 7, 717, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5315: 7, 718, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5316: 7, 719, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5317: 7, 720, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,""
5318: $8,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, " "$
5319: $8,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5320: $8,2,0,0, \theta, 0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, " "$
5321: $8,3,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5322: $8,4, \theta, 0,0,0,0,0,0,0,0,0, \theta, 0,0, \theta, 0, \theta, 0,0,0, " "$
5323: $8,5,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5324: $8,6,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5325: $8,7,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5326: $8,8,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5327: $8,9,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
5328: $8,10,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5329: $8,11,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5330: $8,12,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5331: $8,13,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, "$
5332: $8,14,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5333: $8,15,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5334: $8,16,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5335: $8,17,0,0,0,0,0,0,0,0,0, \theta, 0,0, \theta, 0,0,0, \theta, \theta, 0, " "$
5336: $8,18,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5337: $8,19,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5338: $8,2 \theta, 0,0,0,0,0,0,0, \theta, 0,0,0,0, \theta, 0,0,0,0,0,0, " "$
5339: $8,21,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5340: $8,22,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5341: $8,23,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5342: $8,24,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5343: 8, 25, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5344: $8,26,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, "$
5345: $8,27,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5346: $8,28,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5347: $8,29,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5348: $8,30,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5349: $8,31,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5350: $8,32,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5351: $8,33,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0, " "$
5352: $8,34,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5353: $8,35,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5354: $8,36,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5355: 8, 37, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
5356: $8,38,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0, " "$
5357: $8,39,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, \theta, 0, " "$
5358: 8, 40, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
5359: $8,41,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5360: $8,42,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5361: $8,43,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5362: $8,44,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0, " "$
5363: $8,45,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5364: $8,46,0,0,0,0, \theta, 0, \theta, \theta, 0,0,0, \theta, \theta, 0, \theta, 0,0,0, \theta, " "$
5365: 8, 47, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,""

5366: $8,48,0,0,0,0,0,0,0, \theta, 0,0,0,0, \theta, 0,0,0,0,0, \theta, " "$
5367: $8,49,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5368: $8,50,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5369: 8, $51,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, "$
5370: $8,52,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$,
5371: $8,53,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5372: $8,54,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5373: $8,55,0,0,0,0,0,0,0, \theta, 0,0,0,0, \theta, 0,0,0,0,0,0, " "$
5374: $8,56,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5375: $8,57,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5376: $8,58,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
5377: 8, 59, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5378: $8,60,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5379: 8, 61, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, "$
5380: $8,62,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
5381: $8,63,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
5382: $8,64,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5383: $8,65,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
5384: $8,66,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5385: $8,67,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5386: $8,68,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
5387: 8, $69,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5388: $8,70,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5389: 8, 71, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5390: $8,72,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5391: $8,73,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5392: $8,74,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0, \theta, 0,0,0,0, " "$
5393: $8,75,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5394: $8,76,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5395: $8,77,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5396: $8,78,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5397: $8,79,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5398: $8,80,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5399: $8,81,0,0,0,0, \theta, 0,0, \theta, 0,0,0,0, \theta, 0, \theta, 0, \theta, 0,0, " "$
5400: $8,82,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5401: $8,83,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5402: $8,84,0,0,0,0,0,0,0, \theta, 0,0,0,0, \theta, 0,0,0,0,0,0, " "$
5403: $8,85,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5404: $8,86,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
5405: $8,87,0,0,0,0,0,0, \theta, \theta, 0, \theta, 0,0, \theta, 0, \theta, 0,0, \theta, 0, " "$
5406: $8,88,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5407: $8,89,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5408: $8,90,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5409: $8,91,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5410: $8,92,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5411: $8,93,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5412: $8,94,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
5413: $8,95, \theta, 0,0,0,0,0,0,0,0, \theta, 0,0, \theta, 0,0,0,0, \theta, 0, " "$
5414: $8,96,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5415: $8,97,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0, " "$
5416: $8,98,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0, " "$
5417: $8,99,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
5418: $8,100,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5419: $8,101,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5420: $8,102,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5421: $8,103,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5422: $8,104,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5423: $8,105,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5424: $8,106,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5425: $8,107,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5426: $8,108,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5427: $8,109,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5428: $8,110,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5429: $8,111,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

5430: $8,112,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5431: $8,113,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5432: 8, 114, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5433: $8,115,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5434: $8,116,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5435: $8,117,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5436: $8,118,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5437: $8,119,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5438: $8,120,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5439: $8,121,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5440: $8,122,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5441: $8,123,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5442: $8,124,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5443: $8,125,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5444: $8,126,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
5445: $8,127,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5446: $8,128,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5447: $8,129,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5448: $8,130,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5449: $8,131,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5450: $8,132,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5451: $8,133,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5452: $8,134,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5453: $8,135,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5454: $8,136,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5455: $8,137,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5456: $8,138,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5457: $8,139,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5458: $8,140,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5459: $8,141,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5460: $8,142,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5461: $8,143,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5462: $8,144,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5463: $8,145,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5464: $8,146,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5465: $8,147,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5466: $8,148,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5467: $8,149,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5468: $8,150,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5469: $8,151,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5470: $8,152,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5471: $8,153,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5472: $8,154,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5473: $8,155,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5474: $8,156,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5475: $8,157,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5476: $8,158,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5477: 8, 159, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5478: $8,160,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5479: $8,161,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5480: $8,162,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5481: $8,163,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5482: $8,164,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5483: $8,165,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5484: 8, 166, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5485: $8,167,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5486: $8,168,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5487: $8,169,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5488: $8,170,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5489: $8,171,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5490: $8,172,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5491: $8,173,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5492: $8,174,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
5493: $8,175,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

5494: $8,176,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5495: $8,177,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5496: $8,178,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5497: $8,179,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5498: $8,180,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5499: $8,181,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5500: $8,182,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5501: $8,183,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
5502: $8,184,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5503: $8,185,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5504: $8,186,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5505: $8,187,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5506: $8,188,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5507: $8,189,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5508: $8,190,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5509: $8,191,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5510: $8,192,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5511: $8,193,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5512: $8,194,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5513: $8,195,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5514: $8,196,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0, \theta, 0, " "$
5515: $8,197,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5516: $8,198,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5517: $8,199,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5518: $8,200,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5519: $8,201,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

5521: $8,203,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5522: 8, 204, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5523: $8,205,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5524: $8,206,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5525: 8, 207, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
5526: $8,208,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5527: $8,209,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5528: 8, 210, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5529: 8, 211, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5530: $8,212,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5531: $8,213,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5532: 8, 214, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5533: $8,215,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5534: $8,216,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5535: 8, 217, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5536: 8, 218, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5537: 8, 219, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5538: $8,220,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5539: $8,221,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5540: $8,222,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5541: $8,223,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5542: $8,224,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5543: $8,225,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5544: $8,226,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5545: $8,227,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5546: $8,228,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5547: 8, 229, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5548: $8,230,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5549: $8,231,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5550: $8,232,0,0,0,0,0,0, \theta, 0,0,0,0, \theta, 0, \theta, 0,0,0, \theta, 0, " "$
5551: $8,233,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5552: $8,234,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5553: $8,235,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5554: $8,236,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5555: $8,237,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5556: $8,238,0,0,0,0,0, \theta, 0,0, \theta, 0,0,0, \theta, 0, \theta, 0,0, \theta, 0, " "$
5557: 8, 239, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

5558: $8,240,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
5559: 8, 241, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5560: $8,242,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5561: $8,243,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5562: $8,244,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5563: $8,245,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5564: $8,246,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5565: 8, 247, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5566: $8,248,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5567: $8,249,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5568: $8,250,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5569: 8, 251, $0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
5570: $8,252,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5571: $8,253,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5572: $8,254,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5573: $8,255,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5574: $8,256,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5575: 8, 257, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5576: $8,258,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5577: $8,259,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5578: $8,260,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
5579: $8,261,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5580: $8,262,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5581: $8,263,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5582: $8,264,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5583: $8,265,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5584: $8,266,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
5585: $8,267,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5586: $8,268,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5587: 8, 269, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5588: $8,270,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5589: $8,271,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5590: $8,272,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5591: $8,273,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5592: 8, 274, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5593: $8,275,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5594: $8,276,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5595: 8, 277, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5596: $8,278,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5597: 8, $279,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5598: $8,280,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5599: 8, $281,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5600: $8,282,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5601: $8,283,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5602: $8,284,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5603: $8,285,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5604: $8,286,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5605: 8, 287, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5606: $8,288,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5607: $8,289,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5608: $8,290,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5609: $8,291,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5610: $8,292,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5611: $8,293,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5612: $8,294,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5613: $8,295,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5614: $8,296,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5615: $8,297,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5616: $8,298,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5617: $8,299,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5618: $8,300,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5619: $8,301,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5620: $8,302,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
5621: $8,303,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

5622: $8,304,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5623: $8,305,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5624: $8,306,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5625: $8,307,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5626: $8,308,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
5627: $8,309,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5628: $8,310,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5629: $8,311,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5630: $8,312,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5631: $8,313,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5632: $8,314,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5633: $8,315,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5634: 8, 316, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5635: 8, 317, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5636: $8,318,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5637: $8,319,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5638: $8,320,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5639: $8,321,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5640: $8,322,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5641: $8,323,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5642: $8,324,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5643: $8,325,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5644: $8,326,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5645: 8, 327, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5646: $8,328,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
5647: $8,329,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5648: $8,330,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5649: 8, 331, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5650: $8,332,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5651: $8,333,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5652: $8,334,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5653: $8,335,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5654: $8,336,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5655: 8, 337, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5656: $8,338,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5657: $8,339,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5658: $8,340,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5659: 8, 341, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5660: $8,342,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5661: $8,343,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5662: $8,344,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5663: 8, 345, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5664: $8,346,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5665: $8,347,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5666: $8,348,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5667: $8,349,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5668: $8,350,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5669: $8,351,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
5670: $8,352,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5671: $8,353,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5672: $8,354,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5673: $8,355,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5674: $8,356,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5675: 8, 357, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,""
5676: $8,358,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5677: $8,359,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5678: $8,360,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5679: $8,361,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5680: $8,362,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5681: $8,363,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5682: $8,364,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5683: $8,365,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5684: $8,366,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
5685: 8, $367,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

5686: $8,368,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5687: $8,369,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5688: $8,370,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5689: $8,371,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5690: $8,372,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5691: $8,373,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5692: $8,374,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5693: $8,375,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5694: $8,376,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5695: $8,377,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5696: $8,378,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5697: $8,379,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5698: $8,380,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5699: $8,381,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5700: $8,382,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5701: $8,383,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5702: $8,384,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5703: $8,385,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5704: $8,386,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5705: $8,387,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5706: $8,388,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5707: 8, 389, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5708: $8,390,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5709: $8,391,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5710: $8,392,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
5711: $8,393,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5712: $8,394,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5713: 8, 395, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5714: $8,396,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5715: $8,397,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5716: $8,398,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5717: $8,399,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
5718: $8,400,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5719: $8,401,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5720: $8,402,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5721: $8,403,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5722: $8,404,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5723: $8,405,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5724: $8,406,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5725: $8,407,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5726: $8,408,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5727: 8, 409, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5728: $8,410,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5729: $8,411,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5730: $8,412,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5731: $8,413,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5732: $8,414,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5733: 8, 415, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5734: $8,416,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5735: 8, 417, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5736: $8,418,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5737: $8,419,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5738: $8,420,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5739: 8,421, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5740: 8, 422, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5741: $8,423,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5742: $8,424,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
5743: $8,425,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5744: $8,426,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5745: $8,427,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5746: $8,428,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5747: $8,429,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5748: $8,430,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
5749: 8,431, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

5750: $8,432,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
5751: $8,433,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5752: $8,434,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5753: $8,435,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5754: $8,436,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5755: $8,437,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5756: $8,438,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5757: $8,439,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5758: 8, 440, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5759: $8,441,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5760: $8,442,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5761: $8,443,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5762: $8,444,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5763: $8,445,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5764: 8, 446, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5765: 8, 447, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5766: $8,448,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5767: $8,449,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5768: $8,450,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5769: $8,451,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5770: $8,452,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5771: $8,453,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5772: $8,454,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5773: $8,455,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5774: $8,456,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5775: $8,457,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5776: $8,458,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
5777: 8, 459, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5778: 8, 460, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5779: $8,461,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5780: $8,462,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5781: $8,463,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5782: $8,464,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5783: $8,465,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5784: $8,466,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5785: $8,467,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5786: $8,468,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5787: $8,469,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5788: $8,470,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5789: 8, 471, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5790: $8,472,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5791: $8,473,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5792: $8,474,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5793: $8,475,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5794: $8,476,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5795: $8,477,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5796: $8,478,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5797: $8,479,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5798: $8,480,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5799: $8,481,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5800: $8,482,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5801: $8,483,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5802: $8,484,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5803: $8,485,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5804: 8, 486, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5805: $8,487,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5806: $8,488,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5807: $8,489,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5808: $8,490,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5809: $8,491,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5810: $8,492,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5811: $8,493,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5812: $8,494,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5813: $8,495,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

5814: $8,496,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5815: $8,497,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5816: $8,498,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5817: $8,499,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5818: $8,500,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5819: $8,501,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5820: $8,502,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5821: $8,503,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5822: $8,504,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5823: $8,505,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5824: $8,506,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5825: 8, $507,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5826: $8,508,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5827: $8,509,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5828: $8,510,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5829: $8,511,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5830: $8,512,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5831: $8,513,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5832: $8,514,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5833: $8,515,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5834: 8, $516,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5835: 8, 517, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5836: $8,518,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5837: 8, $519,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5838: $8,520,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5839: $8,521,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5840: $8,522,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
5841: $8,523,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5842: $8,524,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5843: $8,525,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5844: 8, $526,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5845: $8,527,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5846: $8,528,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5847: 8, $529,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5848: $8,530,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5849: $8,531,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5850: $8,532,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5851: $8,533,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5852: $8,534,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5853: $8,535,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
5854: $8,536,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5855: 8, 537, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5856: $8,538,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5857: 8, $539,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5858: 8, 540, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5859: $8,541,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5860: $8,542,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5861: $8,543,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5862: $8,544,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5863: $8,545,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5864: $8,546,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5865: $8,547,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5866: $8,548,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5867: $8,549,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5868: $8,550,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5869: 8, 551, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5870: $8,552,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5871: $8,553,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5872: $8,554,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5873: $8,555,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5874: $8,556,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5875: $8,557,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5876: $8,558,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5877: 8,559, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

5878: $8,560,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5879: 8, $561,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5880: 8, $562,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5881: $8,563,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5882: 8, $564,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
5883: 8, $565,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5884: $8,566,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5885: 8, $567,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5886: 8, $568,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5887: 8, $569,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5888: 8, $570,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5889: 8, 571, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5890: $8,572,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5891: 8, $573,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5892: 8, $574,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5893: 8, $575,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5894: $8,576,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5895: 8, $577,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5896: 8, $578,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5897: $8,579,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5898: $8,580,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5899: 8, $581,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5900: $8,582,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5901: $8,583,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5902: $8,584,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5903: $8,585,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5904: $8,586,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5905: $8,587,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5906: $8,588,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5907: $8,589,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5908: $8,590,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
5909: $8,591,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5910: $8,592,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5911: $8,593,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
5912: $8,594,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5913: $8,595,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5914: $8,596,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5915: 8, $597,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5916: $8,598,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5917: 8, $599,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5918: $8,600,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5919: 8, $601,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5920: $8,602,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5921: 8, $603,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5922: 8, 604, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5923: $8,605,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5924: 8, $606,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5925: 8, $607,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
5926: $8,608,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5927: $8,609,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5928: $8,610,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5929: 8, 611, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5930: $8,612,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5931: $8,613,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5932: 8, 614, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5933: $8,615,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5934: $8,616,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5935: 8, $617,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5936: $8,618,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5937: 8, 619, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5938: 8, $620,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5939: $8,621,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5940: $8,622,0,0,0,0,0,0, \theta, 0,0,0, \theta, \theta, 0,0,0,0,0, \theta, 0, " "$
5941: 8, 623, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

5942: $8,624,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5943: $8,625,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5944: $8,626,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5945: 8, $627,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5946: 8, $628,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5947: 8, 629, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5948: $8,630,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5949: $8,631,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5950: $8,632,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5951: $8,633,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5952: 8, $634,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5953: 8, 635, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5954: 8, $636,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5955: 8, $637,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5956: 8, 638, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5957: 8, 639, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5958: $8,640,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5959: $8,641,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5960: $8,642,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5961: $8,643,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5962: $8,644,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5963: 8, 645, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5964: $8,646,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5965: 8, 647, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5966: $8,648,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5967: 8, 649, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5968: $8,650,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5969: 8, 651, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5970: $8,652,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5971: $8,653,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5972: $8,654,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
5973: $8,655,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5974: $8,656,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5975: 8, 657, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5976: 8, 658, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5977: $8,659,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5978: $8,660,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5979: 8, 661, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5980: $8,662,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5981: $8,663,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5982: 8, 664, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5983: 8, 665, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5984: $8,666,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5985: 8, $667,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5986: 8, $668,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5987: $8,669,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5988: $8,670,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5989: 8, $671,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5990: $8,672,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5991: $8,673,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5992: $8,674,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5993: 8, $675,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5994: $8,676,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5995: 8, $677,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5996: $8,678,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5997: $8,679,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5998: $8,680,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5999: 8, $681,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
6000: $8,682,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
6001: $8,683,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
6002: 8, $684,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
6003: $8,685,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
6004: $8,686,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
6005: 8, 687, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

6006: $8,688,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
6007: $8,689,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
6008: 8, $690,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
6009: $8,691,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
6010: $8,692,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
6011: $8,693,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
6012: $8,694,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
6013: $8,695,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
6014: $8,696,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
6015: $8,697,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
6016: $8,698,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
6017: 8, 699, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
6018: $8,700,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
6019: $8,701,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
6020: $8,702,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
6021: $8,703,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
6022: $8,704,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
6023: $8,705,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
6024: 8, 706, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
6025: $8,707,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
6026: $8,708,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
6027: $8,709,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
6028: $8,710,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
6029: 8, 711, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
6030: $8,712,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
6031: $8,713,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
6032: $8,714,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
6033: $8,715,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
6034: $8,716,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
6035: 8, 717, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
6036: $8,718,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
6037: $8,719,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
6038: $8,720,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
6039: 0
6040: 6
6041: 9.14, 29.9, 29.8,30
6042: 7.32, 30.3, 30, 30.6
6043: 5.49, 30.5, 30.3, 30.8
6044: 3.66, 31, 30.8,31.2
6045: 1.83, 31.4, 31.2,31.5
6046: 0,31,30.8,31.2
6047: 0
6048: "WQ Data",6
6049: 0,9.14, ,29.9, 343, ,6.3, , 813.25
6050: , 100, 21.25, 113.75, 7.91, , , , 99,
6051: ,,,7.78,, 50, 813.25 ,
6052: 135,9,3.375, 9.4,9.78,,,,
6053: ,,,,,,,,,,
6054: 2,7.32, ,30.3,340, $6.35,,, 627$
6055: , 100, 13.8,117,11.575, , , 99,
6056: ,,,7.77,,,50, ,627,
6057: 130.8,6.25,1.375, ,10.38,9.33,,,,
6058: ,,,,,,,,,
6059: 3,5.49, , 30.5, 342, ,6.58, , ,538
6060: , 100, ,118,11.21, ,, , 99.75,
6061: ,,,7.94, , 50, ,538,
6062: 116.5,6.25,2.25, $7.28,11.03,,$, ,
6063: ,,,,,,,,,,
6064: 5, 3.66, , 31, 335, ,7, , , 638
6065: ,100,7,94,14.675,,,,101,
6066: ,, ,8.03, , 50, ,638,
6067: 101,5,1.875, ,8.2,8.825,,, ,
6068: ,,,,,,,,,,
6069: 6,1.83, ,31.4, 343, ,7.1, , 632

PortOfInola_Opt2b_Final_Winter.q2k
Winter, Discharge Option 2

```
6070: ,100,,96,8,,,,103.25,
6071: ,,,8.02,,,50,,632,
6072: 80,10.75,11.25,,9.75,11.85,,,,
6073: ,,,,,,,,,,
6074: 8,0,,31,358,,8.5,,,644
6075: ,1711,9,92,22.625,,,,104.25,
6076: ,,,8.02,,,50,,644,
6077: 101,43.25,18.25,,9.5,9.85,,,,
6078: ,,,,,,,,,,
6079: "WQ Data Min",0
6080: "WQ Data Max",0
6081: 8
6082: 0
6083:
```



[^0]">>>>>>>>>>>> QUAL2Kw version 6 input data <<<<<<<<<<<<<<v60b08"
2: "Verdigris River","PortOfInola_Opt2b_Final_Spring",
"C:\QUAL2Kw_V6\WLA_Analysis_Scenarios_20220613\Inola_WLA", "Verdigris River (5/1/2021)"
3: 5,1,2021
4: -6,.000347,3.90625000001157E-03, 30, "Repeating diel", 30, "Euler", "Brent", "No", "No", "Lumped", "No", "All", "Option 1","Yes", "No",4
5: 8,"Depth","Flow fraction (unitless)","Flow fraction (unitless)"
6: "", "Headwater", "Headwater", $9.144,0,158.907,36,7,28.58,95,34,11.23,0,45.72,0,0, .0000047, .05,0,0,0,0,0$, $.00001, .00001,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$
7: "Headwater","","", 8.8392,158.907,158.858,36,7,18.54, 95, 34, 11.76, 0, 45.72, 0, 0, .0000044, .05, 0, 0, 0, 0, 0, $.2, .2,0,0,0,0,0,0,3.82409177820268 \mathrm{E}-03,5.88321812031181 \mathrm{E}-03,10,0, .4, .650000000000001,0,0,0,0,0,0,1,0$
8: " ", "", "", 7.9248, 158.858,158.71,36,6, 28.26,95,34, 8.94, 0, 45.72, 0, 0, .0000042, .05, 0, 0, 0, 0, 0, .2, .2, 0, 0, 0, $0,0,0,3.82409177820268 \mathrm{E}-03,5.88321812031181 \mathrm{E}-03,10,0, .4, .650000000000001,0,0,0,0,0,0,1,0$
9: "","","", 6.4008, 158.71, 158.463, 36, 5, 49.83, 95, 33, 31.9, 0, 45.72, 0, 0, .0000034, .05, 0, 0, 3.6576, 0, 0, .2, .2, 0, $0,0,0,0,0,3.82409177820268 \mathrm{E}-03,5.88321812031181 \mathrm{E}-03,10,0, .4, .650000000000001,0,0,0,0,0,0,1,0$
10: "", "", "", 4.8, 158.463, 158.203902887139, 36, 5, 4.75, 95, 33, 18.78, 0, 45.72, 0, 0, . $0000025, .05,0,0,4.2672,0,0$, $.3, .2,0,0,0,0,0,0,3.82409177820268 \mathrm{E}-03,5.88321812031181 \mathrm{E}-03,10,0, .4, .650000000000001,0,0,0,0,0,0,1,0$
11: "","","",2.7432,158.203902887139,157.871,36,4, 23.38,95,33,16.48, 0, 45.72, 0, 0,.0000019,.05,0,0,4.8768, $0,0, .3, .2,0,0,0,0,0,0,3.82409177820268 \mathrm{E}-03,5.88321812031181 \mathrm{E}-03,10,0, .4, .6500000000000001,0,0,0,0,0,0$, 1,0
12: "","","",1.2192,157.871,157.6230528,36,3,43.04,95,32,32.33,0,45.72, 0, 0,.0000016,.05, 0, 0, 6.096, 0, 0,.4, $.2,0,0,0,0,0,0,3.82409177820268 \mathrm{E}-03,5.88321812031181 \mathrm{E}-03,10,0, .4, .650000000000001,0,0,0,0,0,0,1,0$
13: "", "Newt Graham Lock and Dam","",.6096,157.6230528,151.2112, 36, 3, 31.82, 95, 32, 14.1, 0, 45.72, 0,0,.00001, $.05,0,0,9.144,0,0, .6, .2,0,0,0,0,4.683,54.864,3.82409177820268 \mathrm{E}-03,5.88321812031181 \mathrm{E}-03,10,0, .4$, . $650000000000001,0,0,0,0,0,0,1,0$
14: "Newt Graham Lock and Dam","","", $0,151.2112,151.205104,36,3,21.42,95,31,56.38,0,45.72,0,0, .00001, .05$, $0,0,3.6576,0,0, .1, .2,0,0,0,0,0,0,3.82409177820268 \mathrm{E}-03,5.88321812031181 \mathrm{E}-03,10,0, .4, .650000000000001$, $0,0,0,0,0,0,1,0$
15: "","", "Terminus", 0, 151.205104, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, 0,0,0,0,0
16: -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, 999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, 999, -999, -999, -999
17: -999,-999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, 999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, 999, -999, -999, -999
18: -999,-999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, 999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, 999, -999, -999,-999
19: -999,-999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, 999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999,-999, -999,-999
20: -999,-999,-999, -999,-999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, 999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, 999, -999, -999, -999
21: -999,-999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, 999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, 999, -999, -999, -999
22: -999,-999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, 999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, 999, -999, -999, -999
23: -999,-999,-999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, 999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, 999, -999, -999, -999
24: -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999
25: -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999
26: -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999
27: -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999
28: -999, -999, -999, -999,-999,-999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999
29: -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999
30: -999, -999,-999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999
31: -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999
32: -999,-999, 40, -999, -999
33: -999,-999, 40,-999,-999

```
34: -999,-999,40,-999,-999
35: -999,-999,40,-999,-999
36: -999,-999,40,-999,-999
37: -999,-999,40,-999,-999
38: -999,-999,40,-999,-999
39: -999,-999,40, -999,-999
40: -999,-999,-999, -999,-999, -999,-999,-999,-999,-999, -999, -999, -999, -999,-999
41: -999,-999,-999,-999,-999,-999,-999,-999,-999,-999,-999,-999,-999,-999,-999
42: -999,-999,-999,-999,-999,-999,-999,-999,-999,-999,-999, -999,-999,-999,-999
43: -999,-999,-999,-999,-999, -999,-999,-999,-999,-999,-999, -999,-999,-999,-999
44: -999,-999,-999,-999,-999,-999,-999,-999,-999,-999,-999,-999,-999,-999,-999
45: -999,-999,-999,-999,-999,-999,-999,-999,-999,-999,-999,-999,-999,-999,-999
46: -999,-999,-999, -999, -999, -999,-999,-999, -999,-999, -999, -999, -999,-999,-999
47: -999,-999, -999, -999, -999, -999,-999,-999,-999, -999, -999, -999, -999,-999,-999
48: .47,.2,.0088,.054,.052,.174,.015
49: "Bras",2,.8,"Brunt",1.24,"Brady-Graves-Geyer",.65,2,"Eqn 1",.17, 2, "No"
50:8
51: "InolaPort Domestic",4.79,0,0,0,3.50501092592593E-02,0,0,25,0,.6666666666666667
52: 0,0,0
53: 22.5,0,0
54: 2,0,.666666666666667
55: 0,0,0
56: 66.125,0,.666666666666667
57: 3450,0,.6666666666666677
58: 13800,0,.666666666666667
59: 0,0,0
60: 0,0,0
61: 0,0,0
62: 0,0,0
63: 22.5,0,0
64: 0,0,0
65: 0,0,0
66: 100,0,0
67: 7.94,0,.666666666666667
68: "Inola Domestic",4.79,0,0,0,1.75250546296296E-02,0,0,25,0,.666666666666667
69: 0,0,0
70: 22.5,0,0
71: 2,0,.6666666666666667
72: 0,0,0
73: 66.125,0,.666666666666667
74: 3450,0,.666666666666667
75: 13800,0,.666666666666667
76: 0,0,0
77: 0,0,0
78: 0,0,0
79: 0,0,0
80: 22.5,0,0
81: 0,0,0
82: 0,0,0
83: 100,0,0
84: 7.94,0,.666666666666667
85: "Inola Domestic New",4.79,0,0,0,1.75250546296296E-02,0,0,25,0,.6666666666666667
86: 0,0,0
87: 22.5,0,0
88: 2,0,.6666666666666667
89: 0,0,0
90: 66.125,0,.666666666666667
91: 3450,0,.6666666666666677
92: 13800,0,.666666666666667
93: 0,0,0
94: 0,0,0
95: 0,0,0
96: 0,0,0
97: 22.5,0,0
```

```
PortOfInola_Opt2b_Final_Spring.q2k
```

Spring, Discharge Option 2

```
98: 0,0,0
99: 0,0,0
100: 100,0,0
101: 7.94,0,.666666666666667
102: "InolaPort Industrial",4.79,0,0,0,.289163401388889,0,0,25,0,.666666666666667
103: 0,0,0
104: 25,0,0
105: 2,0,0
106: 0,0,0
107: 140.185,0,.666666666666667
108: 0,0,.666666666666667
109: 5750,0,.666666666666667
110: 0,0,0
111: 0,0,0
112: 0,0,0
113: 0,0,0
114: 25,0,0
115: 0,0,0
116: 0,0,0
117: 100,0,0
118: 8,0,.666666666666667
119: "InolaPort Cooling",4.79,0,0,0,0,0,0,35,0,.6666666666666667
120: 0,0,0
121: 20,0,0
122: 6,0,0
123: 0,0,0
124: 1.18,0,.666666666666667
125: 0,0,.666666666666667
126: 0,0,.666666666666667
127: 0,0,0
128: 0,0,0
129: 0,0,0
130: 0,0,0
131: 0,0,0
132: 0,0,0
133: 0,0,0
134: 100,0,0
135: 7.6,0,.666666666666667
136: "Sofidel Discharge",8.5344,0,0,0,.131437909722222,0,0,25,0,.6666666666666667
137: 0,0,0
138: 40,0,0
139: 2,0,0
140: 240,0,0
141: 0,0,.666666666666667
142: 0,0,.666666666666667
143: 10000,0,.666666666666667
144: 0,0,0
145: 0,0,0
146: 0,0,0
147: 0,0,0
148: 40,0,0
149: 0,0,0
150: 0,0,0
151: 100,0,0
152: 7.565,0,.666666666666667
153: "Other WLA",4.79,0,0,0,.427,0,0,25,0,.666666666666667
154: 0,0,0
155: 0,0,0
156: 0,0,0
157: 0,0,0
158: 140.185,0,.666666666666667
159: 0,0,.666666666666667
160: 0,0,.666666666666667
161: 0,0,0
```

```
162: 0,0,0
163: 0,0,0
164: 0,0,0
165: 0,0,0
166: 0,0,0
167: 0,0,0
168: 100,0,0
169: 8,0,.666666666666667
170: "Cooling Withdrawal",4.79,0,0,0,0,0,0,25,0,.666666666666667
171: 0,0,0
172: 0,0,0
173: 0,0,.666666666666667
174: 0,0,0
175: 0,0,.666666666666667
176: 0,0,.666666666666667
177: 0,0,.666666666666667
178: 0,0,0
179: 0,0,0
180: 0,0,0
181: 0,0,0
182: 0,0,0
183: 0,0,0
184: 0,0,0
185: 100,0,0
186: 7.94,0,.666666666666667
187: 0
188: 1.83412,54.1488,8.01092,.93161,100,.530195
189: 1.024,2.67,4.57,1.657908,.9803305
190: .6,.6,.6,.6,.6,.075,1.0611317,.035,1.0029386,.25,1.0621019,.2536275,1.0522809,1.209431
191: .5,1.0554078,1.95,1.0570983,.74014,1.0535325,.26,1.0648809,1.8414455, 2,.2
192: 4,1.0466704,.063491,1.0681905,.15,1.0041692,13.08625,4.23204,.000048184123,80.1289
193: 27.66195,2.67,"Yes",1,1,"Zero-order",175,1.0650293,.1035704,.37308,1.004193,.1,1.0588014,.02,114.8
194: 1.0044233,209.592,26.14225,.00000752908,104.1438,28.65885,.408641,1.07,.26
195: 7.430688,3.87748,673.3685,71.234,1.206341,1.3537155,.31395,.54211
196: "Flow",.032831,.37152,2.3918,24.405,49.0375
197: .8,1.07,1,1,0,1.07,0,"No"
198: "Exponential","Exponential","Exponential","Exponential","Exponential","Half saturation","Half
    saturation"
199: "User model",4.08331094825795,.917130559877088,-1.63352092117235, "None"
200: "Minimum","Minimum"
201: "Yes","Yes"
202: "Zero-order",5,1.047,.5,"Exponential",.6,.2,1.07,.05,1.07,15, 2, 25,100
203: 1
204: .FALSE.
205: 27.184,27.184,27.184,27.184,27.184,27.184,27.184,27.184,27.184,27.184,27.184,27.184,27.184,27.184,
    27.184,27.184,27.184,27.184, 27.184,27.184,27.184,27.184,27.184, 27.184,""
206: 25,25, 25,25,25, 25,25,25,25,25,25,25,25,25,25,25,25,25,25,25,25,25,25,25,""
207: 313,313,313,313,313,313,313,313,313,313,313,313,313,313,313,313,313,313,313,313,313,313,313,313,""
208: 7.2,7.2,7.2,7.2,7.2,7.2,7.2,7.2,7.2,7.2,7.2,7.2,7.2,7.2,7.2,7.2,7.2,7.2,7.2,7.2,7.2,7.2,7.2,7.2,""
209: 7.1036,7.1036,7.1036,7.1036,7.1036,7.1036,7.1036,7.1036,7.1036,7.1036,7.1036,7.1036,7.1036,7.1036,
    7.1036,7.1036,7.1036,7.1036,7.1036,7.1036,7.1036,7.1036,7.1036,7.1036,""
210: 0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,""
211: 3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,
    3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,""
212: 730,730,730,730,730,730,730,730,730,730,730,730,730,730,730,730,730,730,730,730,730,730,730,730,""
213: 120,120,120,120,120,120,120,120,120,120,120,120,120,120,120,120,120,120,120,120,120,120,120,120,""
214: 430,430,430,430,430,430,430,430,430,430,430,430,430,430,430,430,430,430,430,430,430,430,430,430,""
215: 81,81,81,81,81,81,81,81,81,81,81,81,81,81,81,81,81,81,81,81,81,81,81,81,""
216: 81,81,81,81,81,81,81,81,81,81,81,81,81,81,81,81,81,81,81,81,81,81,81,81,""
217: 4.95,4.95,4.95,4.95,4.95,4.95,4.95,4.95,4.95,4.95,4.95,4.95,4.95,4.95,4.95,4.95,4.95,4.95,4.95,4.95,
    4.95,4.95,4.95,4.95,""
218: 1.8,1.8,1.8,1.8,1.8,1.8,1.8,1.8,1.8,1.8,1.8,1.8,1.8,1.8,1.8,1.8,1.8,1.8,1.8,1.8,1.8,1.8,1.8,1.8,""
219: 0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,""
220: 0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,""
```

221: $103,103,103,103,103,103,103,103,103,103,103,103,103,103,103,103,103,103,103,103,103,103,103,103, " "$ 222: 7.7,7.7,7.7,7.7,7.7,7.7,7.7,7.7,7.7,7.7,7.7,7.7,7.7,7.7,7.7,7.7,7.7,7.7,7.7,7.7,7.7,7.7,7.7,7.7,"" 223: 1,1,1,1,1,1,1,.201793696585124,2.01758446068287E-02,2.01758446068288E-02,2.01758446068286E-02, $2.01758446068287 \mathrm{E}-02,2.01758446068286 \mathrm{E}-02,2.01758446068287 \mathrm{E}-02,2.01758446068286 \mathrm{E}-02$, $2.01758446068289 \mathrm{E}-02,2.01758446068285 \mathrm{E}-02,2.01758446068286 \mathrm{E}-02,3.27070951226306 \mathrm{E}-02, .535632699135298$, 1,1,1,1,""
224: $1,1,1,1,1,1,1, .201793696585124,2.01758446068287 \mathrm{E}-02,2.01758446068288 \mathrm{E}-02,2.01758446068286 \mathrm{E}-02$, $2.01758446068287 \mathrm{E}-02,2.01758446068286 \mathrm{E}-02,2.01758446068287 \mathrm{E}-02,2.01758446068286 \mathrm{E}-02$, $2.01758446068289 E-02,2.01758446068285 \mathrm{E}-02,2.01758446068286 \mathrm{E}-02,3.27070951226306 \mathrm{E}-02, .535632699135298$, 1,1,1,1,""
225: 1,1,1,1,1,1,1,.121058522461585,2.01758446068287E-02, 2.01758446068288E-02, 2.01758446068286E-02, $2.01758446068287 \mathrm{E}-02,2.01758446068286 \mathrm{E}-02,2.01758446068287 \mathrm{E}-02,2.01758446068286 \mathrm{E}-02$, $2.01758446068289 \mathrm{E}-02,2.01758446068285 \mathrm{E}-02,2.01758446068286 \mathrm{E}-02,2.48307093937154 \mathrm{E}-02, .45940614732911$, 1,1,1,1,""
226: 1,1,1,1,1,1,1,.197386281433723,2.01758446068287E-02, 2.01758446068288E-02, 2.01758446068286E-02, $2.01758446068287 \mathrm{E}-02,2.01758446068286 \mathrm{E}-02,2.01758446068287 \mathrm{E}-02,2.01758446068286 \mathrm{E}-02$, $2.01758446068289 \mathrm{E}-02,2.01758446068285 \mathrm{E}-02,2.01758446068286 \mathrm{E}-02,3.02603499129488 \mathrm{E}-02, .535632699135298$, 1,1,1,1,""
227: 1,1,1,1,1,1,1,.133237203883434,2.01758446068287E-02,2.01758446068288E-02,2.01758446068286E-02, $2.01758446068287 \mathrm{E}-02,2.01758446068286 \mathrm{E}-02,2.01758446068287 \mathrm{E}-02,2.01758446068286 \mathrm{E}-02$, $2.01758446068289 \mathrm{E}-02,2.01758446068285 \mathrm{E}-02,2.01758446068286 \mathrm{E}-02,2.61318757361153 \mathrm{E}-02, .478124403460442$, 1,1,1,1,""
228: $1,1,1,1,1,1,1,6.58526474464715 \mathrm{E}-02,2.01758446068287 \mathrm{E}-02,2.01758446068288 \mathrm{E}-02,2.01758446068286 \mathrm{E}-02$, $2.01758446068287 E-02,2.01758446068286 \mathrm{E}-02,2.01758446068287 \mathrm{E}-02,2.01758446068286 \mathrm{E}-02$, $2.01758446068289 \mathrm{E}-02,2.01758446068285 \mathrm{E}-02,2.01758446068286 \mathrm{E}-02,2.01758446068287 \mathrm{E}-02, .276964176159862$, 1,1,1,1,""
229: 1,1,1,1,1,1,1,6.58526474464715E-02,2.01758446068287E-02,2.01758446068288E-02, 2.01758446068286E-02, $2.01758446068287 \mathrm{E}-02,2.01758446068286 \mathrm{E}-02,2.01758446068287 \mathrm{E}-02,2.01758446068286 \mathrm{E}-02$, $2.01758446068289 \mathrm{E}-02,2.01758446068285 \mathrm{E}-02,2.01758446068286 \mathrm{E}-02,2.01758446068287 \mathrm{E}-02, .276964176159862$, 1,1,1,1,""
230: 1,1,1,1,1,1,1,6.58526474464715E-02,2.01758446068287E-02,2.01758446068288E-02,2.01758446068286E-02, $2.01758446068287 E-02,2.01758446068286 E-02,2.01758446068287 E-02,2.01758446068286 E-02$, $2.01758446068289 \mathrm{E}-02,2.01758446068285 \mathrm{E}-02,2.01758446068286 \mathrm{E}-02,2.01758446068287 \mathrm{E}-02, .276964176159862$, 1,1,1,1,""
231: 23.2881481481481,22.3048148148148,21.8159259259259,21.2048148148148,20.8548148148148, $20.3937037037037,19.8048148148148,19.8437037037037,19.6437037037037,21.727037037037,23.6548148148148$, $25.577037037037,27.0159259259259,28.177037037037,29.4381481481482,30.1881481481481,30.4159259259259$, $30.7437037037037,30.9437037037037,29.9437037037037,28.0825925925926,26.5309259259259$, 24.9792592592592, 23.4275925925926,""

232: 23.2881481481481,22.3048148148148,21.8159259259259,21.2048148148148, 20.8548148148148, $20.3937037037037,19.8048148148148,19.8437037037037,19.6437037037037,21.727037037037,23.6548148148148$, $25.577037037037,27.0159259259259,28.177037037037,29.4381481481482,30.1881481481481,30.4159259259259$, 30.7437037037037,30.9437037037037,29.9437037037037,28.0825925925926, 26.5309259259259, 24.9792592592592,23.4275925925926,""

233: 23.2881481481481,22.3048148148148,21.8159259259259,21.2048148148148,20.8548148148148, $20.3937037037037,19.8048148148148,19.8437037037037,19.6437037037037,21.727037037037,23.6548148148148$, $25.577037037037,27.0159259259259,28.177037037037,29.4381481481482,30.1881481481481,30.4159259259259$, 30.7437037037037,30.9437037037037,29.9437037037037,28.0825925925926, 26.5309259259259, 24.9792592592592,23.4275925925926,""

234: 23.2881481481481,22.3048148148148, 21.8159259259259, 21.2048148148148, 20.8548148148148, $20.3937037037037,19.8048148148148,19.8437037037037,19.6437037037037,21.727037037037,23.6548148148148$, $25.577037037037,27.0159259259259,28.177037037037,29.4381481481482,30.1881481481481,30.4159259259259$, 30.7437037037037,30.9437037037037, 29.9437037037037, 28.0825925925926, 26.5309259259259, 24.9792592592592,23.4275925925926,""

235: 23.2881481481481,22.3048148148148,21.8159259259259,21.2048148148148,20.8548148148148, $20.3937037037037,19.8048148148148,19.8437037037037,19.6437037037037,21.727037037037,23.6548148148148$, $25.577037037037,27.0159259259259,28.177037037037,29.4381481481482,30.1881481481481,30.4159259259259$, 30.7437037037037,30.9437037037037,29.9437037037037,28.0825925925926, 26.5309259259259, 24.9792592592592,23.4275925925926,""

236: 23.2881481481481,22.3048148148148,21.8159259259259,21.2048148148148,20.8548148148148, $20.3937037037037,19.8048148148148,19.8437037037037,19.6437037037037,21.727037037037,23.6548148148148$, $25.577037037037,27.0159259259259,28.177037037037,29.4381481481482,30.1881481481481,30.4159259259259$, 30.7437037037037,30.9437037037037,29.9437037037037,28.0825925925926, 26.5309259259259, 24.9792592592592,23.4275925925926,""

PortOfInola_Opt2b_Final_Spring.q2k
Spring, Discharge Option 2

237: 23.2881481481481,22.3048148148148,21.8159259259259,21.2048148148148,20.8548148148148, $20.3937037037037,19.8048148148148,19.8437037037037,19.6437037037037,21.727037037037,23.6548148148148$, $25.577037037037,27.0159259259259,28.177037037037,29.4381481481482,30.1881481481481,30.4159259259259$, 30.7437037037037,30.9437037037037,29.9437037037037,28.0825925925926, 26.5309259259259, 24.9792592592592,23.4275925925926,""

238: 23.2881481481481,22.3048148148148,21.8159259259259,21.2048148148148,20.8548148148148, $20.3937037037037,19.8048148148148,19.8437037037037,19.6437037037037,21.727037037037,23.6548148148148$, 25.577037037037, 27.0159259259259, 28.177037037037, 29.4381481481482, 30.1881481481481, 30.4159259259259, 30.7437037037037,30.9437037037037,29.9437037037037,28.0825925925926, 26.5309259259259, 24.9792592592592,23.4275925925926,""

239: 8.45342592592593,8.22009259259259,8.4392037037037,8.98209259259259,8.7440925925926,8.48098148148148, 8.5180925925926,8.50098148148148,7.99098148148148,8.26431481481481,8.14809259259259,8.52231481481482, 8.8112037037037,9.39031481481481,9.73742592592593,9.07542592592593,9.3672037037037,9.45498148148148, $9.47498148148148,9.92298148148148,9.8752037037037,9.8752037037037,9.8752037037037,9.8752037037037, " "$
240: 8.45342592592593,8.22009259259259,8.4392037037037,8.98209259259259,8.7440925925926,8.48098148148148, 8.5180925925926,8.50098148148148,7.99098148148148,8.26431481481481,8.14809259259259,8.52231481481482, 8.8112037037037,9.39031481481481,9.73742592592593,9.07542592592593,9.3672037037037,9.45498148148148, 9.47498148148148,9.92298148148148,9.8752037037037,9.8752037037037,9.8752037037037,9.8752037037037,""

241: 8.45342592592593,8.22009259259259,8.4392037037037,8.98209259259259,8.7440925925926,8.48098148148148, 8.5180925925926,8.50098148148148,7.99098148148148,8.26431481481481,8.14809259259259,8.52231481481482, 8.8112037037037, $9.39031481481481,9.73742592592593,9.07542592592593,9.3672037037037,9.45498148148148$, $9.47498148148148,9.92298148148148,9.8752037037037,9.8752037037037,9.8752037037037,9.8752037037037, " "$
242: 8.45342592592593, 8. $22009259259259,8.4392037037037,8.98209259259259,8.7440925925926,8.48098148148148$, 8.5180925925926,8.50098148148148,7.99098148148148,8.26431481481481,8.14809259259259,8.52231481481482, 8.8112037037037,9.39031481481481,9.73742592592593, 9.07542592592593, 9.3672037037037,9.45498148148148, $9.47498148148148,9.92298148148148,9.8752037037037,9.8752037037037,9.8752037037037,9.8752037037037, " "$
243: 8.45342592592593,8.22009259259259,8.4392037037037,8.98209259259259,8.7440925925926,8.48098148148148, $8.5180925925926,8.50098148148148,7.99098148148148,8.26431481481481,8.14809259259259,8.52231481481482$, 8.8112037037037,9.39031481481481,9.73742592592593,9.07542592592593,9.3672037037037,9.45498148148148, $9.47498148148148,9.92298148148148,9.8752037037037,9.8752037037037,9.8752037037037,9.8752037037037, " "$
244: 8.45342592592593,8.22009259259259,8.4392037037037,8.98209259259259,8.7440925925926,8.48098148148148, 8.5180925925926,8.50098148148148,7.99098148148148,8.26431481481481, 8.14809259259259,8.52231481481482, $8.8112037037037,9.39031481481481,9.73742592592593,9.07542592592593,9.3672037037037,9.45498148148148$, $9.47498148148148,9.92298148148148,9.8752037037037,9.8752037037037,9.8752037037037,9.8752037037037, " "$
245: 8.45342592592593,8.22009259259259,8.4392037037037,8.98209259259259,8.7440925925926,8.48098148148148, 8.5180925925926,8.50098148148148,7.99098148148148,8.26431481481481,8.14809259259259,8.52231481481482, $8.8112037037037,9.39031481481481,9.73742592592593,9.07542592592593,9.3672037037037,9.45498148148148$, $9.47498148148148,9.92298148148148,9.8752037037037,9.8752037037037,9.8752037037037,9.8752037037037, " "$
246: 8.45342592592593, 8.22009259259259, $8.4392037037037,8.98209259259259,8.7440925925926,8.48098148148148$, 8.5180925925926,8.50098148148148,7.99098148148148, 8.26431481481481,8.14809259259259,8.52231481481482, $8.8112037037037,9.39031481481481,9.73742592592593,9.07542592592593,9.3672037037037,9.45498148148148$, $9.47498148148148,9.92298148148148,9.8752037037037,9.8752037037037,9.8752037037037,9.8752037037037, " "$
247: 1.609344, . $225856, .402336, .312928, .759968, .536448, .44704, .491744, .491744, .849376,1.430528,1.296416$, .938784,1.207008,1.162304,1.1176,2.324608,1.654048,1.519936,1.430528, .268224, .536448, .357632, .357632, ""
248: 1.609344,.625856, . 402336,.312928, .759968,.536448,.44704, .491744,.491744, .849376, 1.430528, 1.296416, . $938784,1.207008,1.162304,1.1176,2.324608,1.654048,1.519936,1.430528, .268224, .536448, .357632, .357632$, ""
249: 1.609344,. 625856, . 402336,. 312928, .759968, .536448, .44704, . 491744,.491744, .849376, 1.430528, 1.296416, .938784, 1. 207008,1.162304,1.1176, 2.324608,1.654048,1.519936,1.430528, .268224, .536448, .357632, .357632, ""
250: 1.609344, . 625856, . 402336, . $312928, .759968, .536448, .44704, .491744, .491744, .849376,1.430528,1.296416$, . $938784,1.207008,1.162304,1.1176,2.324608,1.654048,1.519936,1.430528, .268224, .536448, .357632, .357632$, ""
251: 1.609344,.625856,.402336,.312928,.759968,.536448,. 44704, .491744,.491744, .849376,1.430528,1.296416, . $938784,1.207008,1.162304,1.1176,2.324608,1.654048,1.519936,1.430528, .268224, .536448, .357632, .357632$, ""
252: 1.609344,. 625856, . 402336,. 312928, .759968, .536448, .44704, .491744,.491744, .849376, 1.430528,1.296416, . $938784,1.207008,1.162304,1.1176,2.324608,1.654048,1.519936,1.430528, .268224, .536448, .357632, .357632$, ""

253: 1.609344,.625856,.402336,.312928,.759968,.536448,.44704,.491744,.491744,.849376,1.430528,1.296416, . $938784,1.207008,1.162304,1.1176,2.324608,1.654048,1.519936,1.430528, .268224, .536448, .357632, .357632$, ""

254: 1.609344,.625856,.402336,.312928,.759968,.536448,.44704,.491744,.491744,.849376,1.430528,1.296416, $.938784,1.207008,1.162304,1.1176,2.324608,1.654048,1.519936,1.430528, .268224, .536448, .357632, .357632$, ""

255: . $3, .3, .3,0,0,0, .3, .3, .3,0,0,0,0,0,0,0, .3, .3, .3, .3, .3, .3, .3,0, " '$
256: . $3, .3, .3,0,0,0, .3, .3, .3,0,0,0,0,0,0,0, .3, .3, .3, .3, .3, .3, .3,0, "$
257: . $3, .3, .3,0,0,0, .3, .3, .3,0,0,0,0,0,0,0, .3, .3, .3, .3, .3, .3, .3,0, " '$
258: . $3, .3, .3,0,0,0, .3, .3, .3,0,0,0,0,0,0,0, .3, .3, .3, .3, .3, .3, .3,0, " "$
259: . $3, .3, .3,0,0,0, .3, .3, .3,0,0,0,0,0,0,0, .3, .3, .3, .3, .3, .3, .3,0, "$
260: . $3, .3, .3,0,0,0, .3, .3, .3,0,0,0,0,0,0,0, .3, .3, .3, .3, .3, .3, .3,0, " "$
261: . $3, .3, .3,0,0,0, .3, .3, .3,0,0,0,0,0,0,0, .3, .3, .3, .3, .3, .3, .3,0, " '$
262: . $3, .3, .3,0,0,0, .3, .3, .3,0,0,0,0,0,0,0, .3, .3, .3, .3, .3, .3, .3,0, " '$
263: $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
264: $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
265: $0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
266: $0, \theta, \theta, \theta, \theta, \theta, 0,0, \theta, 0, \theta, \theta, 0, \theta, 0, \theta, \theta, 0,0,0, \theta, \theta, \theta, \theta, " "$
267: $0,0, \theta, 0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
268: $0, \theta, \theta, \theta, \theta, 0,0,0,0,0,0, \theta, 0,0, \theta, 0,0,0, \theta, \theta, \theta, \theta, 0,0, " "$

270: $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
271: $1,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0, " "$
272: $1,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
273: $1,2,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
274: $1,3,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
275: 1, $4,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0, " '$
276: $1,5,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
277: $1,6,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
278: $1,7,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
279: $1,8,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
280: $1,9,0,0, \theta, 0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, " "$
281: $1,10,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
282: 1, 11, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
283: $1,12,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
284: $1,13,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, '$
285: $1,14,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
286: $1,15,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
287: $1,16,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, '$
288: $1,17,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, '$
289: $1,18,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
290: $1,19,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
291: $1,2 \theta, 0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, "$
292: 1, 21, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
293: $1,22,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
294: $1,23,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
295: 1, 24, $0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, " '$
296: 1, 25, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
297: $1,26,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$,
298: 1, 27, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
299: $1,28,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
300: $1,29,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
301: $1,30,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
302: $1,31,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
303: $1,32,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
304: $1,33,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
305: 1, 34, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
306: $1,35,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
307: $1,36,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
308: 1, 37, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
309: 1, $38,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
310: $1,39,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
311: $1,40,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
312: $1,41,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
313: $1,42,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
314: 1, 43, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
315: $1,44,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
316: $1,45,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
317: $1,46,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
318: $1,47,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

319: $1,48,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
320: $1,49,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
321: $1,50,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$,
322: $1,51,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$,
323: $1,52,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$,
324: 1, $53,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$325: 1,54,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
326: 1, 55, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
327: 1, $56,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
328: $1,57,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
329: $1,58,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$330: 1,59,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
331: $1,60,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
$332: 1,61,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, '$
333: 1, 62, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
334: $1,63,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$335: 1,64,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, '$
336: 1, 65, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
337: $1,66,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
338: $1,67,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
339: $1,68,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0$,
340: $1,69,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
341: $1,70,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
$342: 1,71,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, '$
343: $1,72,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
344: $1,73,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
345: $1,74,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
346: $1,75,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
347: $1,76,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
348: $1,77,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, '$
349: $1,78,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
350: $1,79,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
351: $1,80,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
352: $1,81,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0, " '$
353: $1,82,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
354: $1,83,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
355: $1,84,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
356: $1,85,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
357: $1,86,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
358: $1,87,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
359: 1, $88,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
$360: 1,89,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
$361: 1,90,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, '$
362: $1,91,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
363: 1, $92,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$364: 1,93,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
365: 1, $94,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
366: 1, $95,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
367: $1,96,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
368: $1,97,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
369: 1, $98,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
370: $1,99,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
371: $1,100,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
372: $1,101,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
373: $1,102,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$374: 1,103,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
375: $1,104,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
376: $1,105,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$377: 1,106,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
378: $1,107,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
379: $1,108,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$380: 1,109,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
381: $1,110,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
382: $1,111,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

383: $1,112,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
384: $1,113,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
385: 1, 114, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
386: $1,115,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
387: $1,116,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
388: $1,117,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
389: $1,118,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
390: $1,119,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
391: $1,120,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
392: $1,121,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
393: $1,122,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
394: $1,123,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
395: $1,124,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
396: $1,125,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
397: $1,126,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
398: $1,127,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
399: $1,128,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
400: $1,129,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
401: $1,130,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
402: $1,131,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
403: $1,132,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
404: $1,133,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
405: $1,134,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
406: $1,135,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
407: $1,136,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
408: $1,137,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
409: $1,138,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
410: $1,139,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
411: $1,140,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
412: $1,141,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
413: $1,142,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
414: $1,143,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
415: $1,144,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
416: $1,145,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
417: $1,146,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
418: $1,147,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
419: $1,148,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
420: $1,149,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
421: $1,150,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
422: $1,151, \theta, 0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
423: $1,152,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
424: $1,153,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
425: $1,154,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
426: $1,155,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
427: $1,156,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
428: $1,157,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
429: $1,158,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
430: $1,159,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
431: $1,160,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
432: $1,161,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
433: $1,162,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
434: $1,163,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
435: $1,164,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
436: $1,165,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
437: $1,166,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
438: $1,167,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
439: $1,168,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
440: $1,169,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
441: $1,170,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
442: $1,171,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
443: $1,172,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
444: $1,173,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
445: $1,174,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
446: $1,175,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

447: $1,176,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
448: $1,177,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
449: $1,178,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
450: $1,179,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
451: $1,180,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
452: $1,181,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
453: $1,182,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
454: $1,183,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
455: 1, 184, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
456: $1,185,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
457: $1,186,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
458: $1,187,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
459: $1,188,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
460: $1,189,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
461: $1,190,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
462: $1,191,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
463: $1,192,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
464: $1,193,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
465: $1,194,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
466: $1,195,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
467: $1,196,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
468: $1,197,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
469: $1,198,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
470: $1,199,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
471: $1,200,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
472: 1, 201, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
473: $1,202,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
474: $1,203,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
475: 1, 204, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
476: $1,205,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
477: $1,206,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
478: $1,207,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
479: $1,208,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
480: $1,209,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
481: $1,210,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
482: $1,211,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
483: $1,212,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
484: $1,213,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
485: $1,214,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
486: $1,215,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
487: $1,216,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
488: 1, 217, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
489: $1,218,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
490: $1,219,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
491: $1,220,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
492: $1,221,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
493: $1,222,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
494: $1,223,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
495: $1,224,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
496: $1,225,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
497: $1,226,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
498: $1,227,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
499: $1,228,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
500: 1, 229, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
501: $1,230,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
502: $1,231,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
503: 1, 232, $0,0,0,0,0, \theta, 0,0,0,0,0, \theta, \theta, 0, \theta, 0, \theta, 0,0, " "$
504: 1, 233, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
505: 1, 234, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
506: 1, 235, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
507: $1,236,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
508: $1,237,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
509: 1, 238, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
510: $1,239,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

511: $1,240,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
512: 1, 241, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
513: $1,242,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
514: $1,243,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
515: 1, 244, 0, 0, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
516: $1,245,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
517: 1, 246, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
518: $1,247,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
519: 1, 248, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
520: 1, 249, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
521: $1,250,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
522: 1, 251, $0,0,0,0,0, \theta, 0,0,0,0,0, \theta, \theta, 0, \theta, 0, \theta, 0,0, " "$
523: 1, 252, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
524: 1, 253, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
525: 1, 254, $0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
526: 1, 255, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
527: $1,256,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
528: 1, 257, $, 0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
529: 1, 258, $0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
530: 1, 259, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
531: $1,260,0,0,0,0,0, \theta, 0,0,0,0,0, \theta, \theta, 0, \theta, 0, \theta, 0,0, " "$
532: 1, 261, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
533: $1,262,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
534: $1,263,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
535: 1, 264, $0,0,0,0,0, \theta, 0,0,0,0,0, \theta, \theta, 0, \theta, 0, \theta, 0,0, " "$
536: 1, $265,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
537: $1,266,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
538: 1, 267, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
539: $1,268,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
540: $1,269,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
541: $1,270,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
542: $1,271,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
543: $1,272,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
544: $1,273,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
545: 1, 274, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
546: $1,275,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
547: 1, 276, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
548: $1,277,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
549: $1,278,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
550: $1,279, \theta, 0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0, \theta, 0, " "$
551: 1, 280, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
552: 1, 281, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
553: 1, 282, $, 0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
554: 1, 283, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
555: 1, 284, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
556: $1,285,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
557: 1, 286, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
558: 1, $287,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
559: $1,288,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
560: $1,289,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
561: $1,290,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
562: 1, 291, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
563: 1, 292, $, 0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
564: 1, 293, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
565: 1, 294, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
566: 1, 295, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
567: $1,296,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
568: 1, 297, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
569: $1,298,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
570: 1, 299, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
571: $1,300,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
572: $1,301,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
573: $1,302, \theta, 0,0,0,0, \theta, 0,0,0,0,0, \theta, \theta, 0, \theta, 0, \theta, 0,0, " "$
574: 1, 303, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

575: $1,304,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
576: $1,305,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
577: $1,306,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
578: $1,307,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
579: $1,308,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
580: 1, 309, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
581: $1,310,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
582: $1,311,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
583: 1, 312, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
584: $1,313,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
585: 1, 314, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
586: $1,315,0,0, \theta, 0,0,0, \theta, 0,0,0,0, \theta, 0,0,0,0, \theta, 0,0, " "$
587: 1, 316, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
588: $1,317,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
589: 1, 318, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
590: $1,319,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
591: $1,320,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
592: $1,321,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
593: $1,322,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
594: $1,323,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
595: $1,324,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
596: $1,325,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
597: $1,326,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
598: 1, 327, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
599: $1,328,0,0, \theta, 0,0,0, \theta, \theta, \theta, 0,0, \theta, 0, \theta, 0,0, \theta, 0,0, " "$
600: $1,329,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
601: $1,330,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
602: 1, 331, $0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
603: 1, 332, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
604: $1,333,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
605: 1, 334, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
606: $1,335,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, " "$
607: $1,336,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
608: $1,337,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
609: $1,338,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
610: $1,339,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
611: $1,340,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
612: $1,341,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
613: $1,342,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
614: $1,343, \theta, 0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
615: $1,344,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
616: $1,345,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
617: $1,346,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
618: $1,347,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
619: $1,348,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
620: $1,349,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
621: $1,350,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
622: $1,351,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
623: $1,352,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
624: $1,353,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
625: 1, 354, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
626: $1,355,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
627: $1,356,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
628: $1,357,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
629: 1, 358, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
630: $1,359,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
631: $1,360,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
632: $1,361,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
633: $1,362,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
634: $1,363,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
635: $1,364,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
636: $1,365,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
637: $1,366,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
638: $1,367,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

639: $1,368,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
640: $1,369,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
641: $1,370,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
642: $1,371,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
643: $1,372,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
644: $1,373,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
645: 1, 374, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
646: $1,375,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
647: $1,376,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
648: $1,377,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
649: $1,378,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
650: $1,379,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, \theta, 0,0, " "$
651: $1,380,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
652: $1,381,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
653: $1,382,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
654: $1,383,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
655: $1,384,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
656: $1,385,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
657: $1,386,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
658: $1,387,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
659: $1,388,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
660: $1,389,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
661: $1,390,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
662: $1,391,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
663: $1,392,0,0, \theta, 0,0,0, \theta, 0,0,0,0, \theta, 0, \theta, 0,0, \theta, 0,0, " "$
664: $1,393,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
665: $1,394,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
666: $1,395,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
667: 1, 396, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
668: $1,397,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
669: $1,398,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
670: $1,399,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, " "$
671: $1,400,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
672: $1,401,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
673: $1,402,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
674: $1,403,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
675: 1, 404, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
676: $1,405,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
677: $1,406,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
678: $1,407,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
679: $1,408,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
680: $1,409,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
681: $1,410,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
682: 1, 411, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
683: 1, 412, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
684: $1,413,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
685: 1, 414, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
686: $1,415,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
687: $1,416,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
688: $1,417,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
689: $1,418,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
690: 1, 419, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
691: $1,420,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
692: 1, 421, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
693: $1,422,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
694: $1,423,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
695: 1, 424, $0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
696: $1,425,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
697: $1,426,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
698: $1,427,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
699: $1,428,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
700: $1,429,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
701: $1,430,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
702: $1,431,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

703: $1,432,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
704: $1,433,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
705: 1, 434, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
706: $1,435,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
707: $1,436,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
708: $1,437,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
709: $1,438,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
710: $1,439,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
711: $1,440,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
712: $1,441,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
713: $1,442,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
714: 1, 443, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
715: 1, 444, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
716: $1,445,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
717: 1, 446, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
718: $1,447,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
719: $1,448,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
720: 1, 449, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
721: 1, 450, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
722: $1,451,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
723: 1, 452, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
724: 1, 453, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
725: 1, 454, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,""
726: 1, 455, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
727: $1,456,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
728: 1, 457, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
729: $1,458, \theta, 0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
730: 1, 459, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
731: $1,460,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
732: $1,461,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
733: $1,462,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
734: 1, 463, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
735: $1,464,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
736: $1,465,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
737: $1,466,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
738: $1,467,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
739: $1,468,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
740: $1,469,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
741: 1, 470, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
742: $1,471,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
743: $1,472,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
744: 1, 473, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
745: $1,474,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
746: $1,475,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
747: $1,476,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
748: $1,477,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
749: $1,478,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
750: 1, 479, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
751: $1,480,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
752: $1,481,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
753: 1, 482, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
754: $1,483,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
755: 1, 484, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
756: 1, 485, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,""
757: 1, 486, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
758: $1,487,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
759: $1,488,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
760: 1, 489, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
761: $1,490,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
762: 1, 491, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
763: 1, 492, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
764: $1,493,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
765: 1, 494, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
766: 1, 495, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

767: $1,496,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
768: $1,497,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
769: $1,498,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
770: $1,499,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
771: $1,500,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
772: 1, $501,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
773: $1,502,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
774: $1,503,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
775: 1, 504, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
776: $1,505,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
777: 1, $506,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
778: $1,507,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
779: $1,508,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
780: 1, $509,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
781: $1,510,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
782: 1, $511,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
783: $1,512,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
784: $1,513,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
785: 1, $514,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
786: $1,515,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
787: $1,516,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
788: 1, $517,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
789: $1,518,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
790: 1, $519,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
791: $1,520,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
792: 1, $521,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
793: $1,522,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
794: 1, $523,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
795: 1, $524,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
796: $1,525,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
797: $1,526,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
798: 1, $527,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, " "$
799: $1,528,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
800: 1, $529,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
801: $1,530,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
802: $1,531,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
803: 1, $532,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
804: $1,533,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
805: 1, 534, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
806: $1,535,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
807: 1, $536,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
808: 1, 537, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
809: 1, $538,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
810: $1,539,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
811: $1,540,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
812: $1,541,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
813: $1,542,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
814: $1,543,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
815: $1,544,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
816: $1,545,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
817: $1,546,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
818: $1,547,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
819: $1,548,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
820: 1, $549,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
821: $1,550,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
822: 1, $551,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
823: 1, $552,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
824: $1,553,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
825: 1, $554,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
826: $1,555,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
827: $1,556,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
828: 1, 557, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
829: 1, $558,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
830: 1, $559,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

831: $1,560,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
832: $1,561,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
833: $1,562,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
834: 1, $563,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
835: 1, 564, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
836: $1,565,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
837: $1,566,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
838: $1,567,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
839: $1,568,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
840: $1,569,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
841: $1,570,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
842: $1,571,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
843: $1,572,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
844: $1,573,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
845: 1, $574,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
846: $1,575,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
847: $1,576,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
848: 1, $577,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
849: $1,578,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
850: $1,579,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
851: $1,580,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
852: $1,581,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
853: $1,582,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
854: 1, $583,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
855: 1, $584,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
856: $1,585,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
857: $1,586,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
858: 1, $587,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
859: $1,588,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
860: $1,589,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
861: $1,590,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
862: $1,591,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
863: $1,592,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
864: 1, $593,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
865: 1, 594, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
866: $1,595,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
867: 1, 596, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
868: $1,597,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
869: 1, $598,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
870: $1,599, \theta, 0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
871: $1,600,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
872: $1,601,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
873: $1,602,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
874: 1, 603, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
875: 1, 604, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
876: $1,605,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
877: $1,606,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
878: 1, 607, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
879: $1,608,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
880: 1, $609,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
881: 1, 610, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
882: $1,611,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
883: $1,612,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
884: 1, 613, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
885: 1, 614, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
886: 1, 615, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
887: $1,616,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
888: $1,617,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
889: 1, 618, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
890: $1,619,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
891: $1,620,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
892: $1,621,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
893: 1, 622, $0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
894: 1, 623, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

895: 1, 624, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
896: $1,625,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
897: $1,626,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
898: $1,627,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
899: $1,628,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
900: $1,629,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
901: $1,630,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
902: $1,631,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
903: 1, 632, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
904: $1,633,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
905: 1, 634, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
906: 1, 635, $0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, \theta, 0,0, " "$
907: 1, 636, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
908: 1, 637, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
909: 1, 638, $0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
910: $1,639,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
911: $1,640,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
912: 1, 641, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
913: $1,642,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
914: $1,643,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
915: 1, 644, $0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
916: 1, 645, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
917: $1,646,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
918: 1, $647,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
919: $1,648,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
920: $1,649,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
921: $1,650, \theta, 0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0, \theta, 0, " "$
922: 1, 651, $0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
923: 1, 652, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
924: $1,653,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
925: 1, 654, $0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
926: 1, 655, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
927: $1,656,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
928: 1, 657, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
929: 1, 658, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
930: $1,659,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
931: $1,660,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
932: $1,661,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
933: $1,662,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
934: $1,663, \theta, 0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
935: 1, 664, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
936: 1, 665, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
937: $1,666,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
938: 1, 667, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
939: $1,668,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
940: $1,669,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
941: $1,670,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
942: $1,671,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
943: $1,672,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
944: $1,673,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
945: 1, 674, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
946: $1,675,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
947: $1,676,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
948: $1,677,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
949: $1,678,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
950: $1,679,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
951: $1,680,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
952: $1,681,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
953: $1,682,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
954: 1, 683, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
955: $1,684,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
956: $1,685,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
957: $1,686,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
958: 1, 687, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

959: $1,688,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
960: 1, 689, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
961: $1,690,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
962: $1,691,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
963: 1, 692, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
964: $1,693,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
965: $1,694,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
966: $1,695,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
967: 1, 696, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
968: $1,697,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
969: 1, 698, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
970: 1, 699, $0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0, \theta, 0, \theta, 0,0, " "$
971: $1,700,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
972: 1, 701, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
973: 1, 702, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
974: 1, 703, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
975: 1, 704, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
976: $1,705,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
977: $1,706,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
978: $1,707,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
979: $1,708,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
980: $1,709,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
981: $1,710,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
982: 1, 711, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
983: $1,712,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
984: 1, 713, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
985: 1, 714, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
986: $1,715,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
987: 1, 716, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
988: $1,717,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
989: 1, 718, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
990: $1,719,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
991: $1,720,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
992: $2,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
993: 2, 1, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
994: $2,2,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
995: 2, $3,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
996: $2,4,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
997: $2,5,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
998: $2,6,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
999: $2,7,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1000: $2,8,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1001: $2,9,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1002: $2,10,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1003: 2, 11, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1004: $2,12,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1005: 2, 13, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1006: $2,14,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1007: $2,15,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1008: $2,16,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1009: 2, 17, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1010: $2,18,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1011: $2,19,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1012: $2,20,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1013: 2, 21, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1014: $2,22,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1015: $2,23,0,0,0,0,0,0,0,0,0, \theta, 0,0, \theta, 0,0,0, \theta, \theta, 0, " "$
1016: $2,24,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0, " "$
1017: $2,25,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1018: 2, 26, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1019: $2,27,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1020: $2,28,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1021: $2,29,0, \theta, 0,0, \theta, 0, \theta, \theta, 0,0,0, \theta, \theta, 0, \theta, 0, \theta, 0, \theta, " "$
1022: $2,30,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

1023: $2,31,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, "$
1024: 2, 32, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1025: $2,33,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, '$
1026: $2,34,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, "$
1027: $2,35,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$,
1028: $2,36,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1029: $2,37,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1030: $2,38,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1031: 2, 39, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, '$
1032: $2,40,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1033: 2, 41, $0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0, " "$
1034: 2, $42,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1035: $2,43,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$,
1036: $2,44,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, "$
1037: $2,45,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1038: 2, 46, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
1039: $2,47,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, "$
1040: $2,48,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1041: $2,49,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1042: $2,50,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1043: 2, 51, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,{ }^{\prime}$
1044: $2,52,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1045: $2,53,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1046: $2,54,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1047: 2, $55,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1048: $2,56,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, '$
1049: $2,57,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, \theta, 0,0,0,0, " "$
1050: $2,58,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1051: 2, $59,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1052: $2,60,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, "$
1053: 2, 61, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, '$
1054: $2,62,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0, " "$
1055: 2, $63,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1056: $2,64,0,0,0,0, \theta, 0, \theta, \theta, 0, \theta, 0, \theta, \theta, 0,0,0, \theta, \theta, 0, " "$
1057: 2, $65,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1058: $2,66,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1059: $2,67,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1060: $2,68,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1061: $2,69,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1062: $2,70,0,0,0,0, \theta, 0,0, \theta, 0,0,0,0,0,0, \theta, 0,0,0,0, " "$
1063: $2,71,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1064: 2, $72,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1065: $2,73,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, '$
1066: $2,74,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$,
1067: $2,75,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1068: $2,76,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1069: $2,77,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1070: $2,78,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1071: $2,79,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1072: $2,80,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1073: 2, $81,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1074: 2, $82,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
1075: $2,83,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1076: $2,84,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1077: 2, $85,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1078: 2, $86,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1079: $2,87,0,0,0,0,0,0,0,0,0, \theta, 0,0, \theta, 0,0,0, \theta, 0,0, " "$
1080: $2,88,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1081: $2,89,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1082: $2,90,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1083: $2,91,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1084: $2,92,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1085: $2,93,0,0,0,0,0,0, \theta, 0,0, \theta, 0, \theta, \theta, 0,0,0, \theta, \theta, 0, " "$
1086: $2,94,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

1087: $2,95,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, "$
1088: 2, $96,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1089: 2, $97,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1090: $2,98,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, "$
1091: 2, 99, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
1092: 2, 100, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1093: 2, 101, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1094: 2, 102, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1095: 2, 103, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1096: $2,104,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1097: 2, 105, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1098: 2, 106, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1099: 2, 107, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1100: $2,108,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1101: 2, 109, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1102: $2,110,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1103: $2,111,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1104: 2, 112, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1105: 2, 113, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1106: 2, 114, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1107: $2,115,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1108: $2,116,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1109: $2,117,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1110: 2, 118, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1111: 2, 119, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1112: 2, 120, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1113: $2,121,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1114: 2, 122, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1115: 2, 123, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1116: $2,124,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1117: $2,125,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1118: $2,126,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1119: $2,127,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1120: $2,128,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1121: 2, 129, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1122: 2, 130, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1123: 2, 131, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1124: 2, 132, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1125: 2, 133, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1126: $2,134,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1127: 2, 135, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1128: $2,136,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1129: $2,137,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1130: $2,138,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1131: 2, 139, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1132: $2,140,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1133: $2,141,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1134: $2,142,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1135: 2, 143, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1136: 2, 144, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1137: $2,145,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1138: $2,146,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1139: $2,147,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1140: $2,148,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1141: $2,149,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1142: $2,150,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1143: 2, 151, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1144: 2, 152, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1145: $2,153,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1146: $2,154,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1147: $2,155,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1148: 2, 156, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1149: 2, 157, $0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
1150: $2,158,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

1151: $2,159,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1152: $2,160,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1153: 2, 161, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1154: $2,162,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1155: $2,163,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1156: $2,164,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1157: $2,165,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1158: $2,166,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1159: 2, 167, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1160: $2,168,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1161: $2,169,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1162: 2, 170, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1163: 2, 171, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1164: 2, 172, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1165: 2, 173, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1166: 2, 174, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1167: $2,175,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1168: $2,176,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1169: 2, 177, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1170: $2,178,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1171: $2,179,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1172: 2, 180, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1173: 2, 181, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1174: 2, 182, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1175: $2,183,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1176: $2,184,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1177: $2,185,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1178: 2, 186, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1179: 2, 187, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1180: $2,188,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1181: 2, 189, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1182: 2, 190, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1183: 2, 191, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1184: $2,192,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1185: 2, 193, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1186: 2, 194, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,""
1187: 2, 195, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1188: $2,196,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1189: 2, 197, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1190: $2,198,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1191: 2, 199, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1192: 2, $200,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1193: 2, 201, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1194: 2, 202, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1195: 2, 203, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1196: 2, $204,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1197: $2,205,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1198: 2, $206,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1199: 2, 207, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1200: $2,208,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1201: 2, 209, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1202: 2, 210, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1203: 2, 211, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1204: 2, 212, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1205: 2, 213, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1206: 2, 214, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1207: 2, 215, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1208: 2, 216, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1209: 2, 217, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1210: $2,218,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1211: 2, 219, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1212: 2, 220, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1213: 2, 221, $0,0,0,0,0,0, \theta, 0,0,0, \theta, \theta, 0,0,0,0,0, \theta, 0, " "$
1214: 2, 222, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

1215: $2,223,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
1216: $2,224,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1217: 2, 225, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1218: 2, 226, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1219: $2,227,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1220: $2,228,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1221: 2, 229, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1222: 2, 230, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1223: 2, 231, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1224: 2, 232, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1225: 2, 233, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1226: 2, 234, $0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
1227: 2, 235, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1228: 2, 236, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1229: 2, 237, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1230: 2, 238, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1231: $2,239,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1232: 2, 240, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1233: 2, 241, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1234: 2, 242, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1235: 2, 243, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1236: 2, 244, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1237: $2,245,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1238: 2, 246, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1239: 2, 247, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
1240: 2, $248,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1241: 2, 249, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1242: 2, 250, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1243: 2, 251, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1244: 2, 252, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1245: 2, 253, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1246: $2,254,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1247: 2, 255, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1248: $2,256,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1249: 2, 257, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1250: 2, 258, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1251: 2, 259, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1252: 2, $260,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1253: 2, 261, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1254: 2, 262, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1255: 2, 263, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1256: 2, $264,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1257: 2, $265,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1258: 2, $266,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1259: 2, $267,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1260: $2,268,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1261: $2,269,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1262: 2, 270, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1263: 2, 271, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1264: 2, $272,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1265: 2, $273,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
1266: 2, 274, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1267: $2,275,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1268: 2, $276,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1269: $2,277,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1270: $2,278,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1271: 2, 279, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1272: 2, $280,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1273: $2,281,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1274: $2,282,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1275: 2, 283, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1276: 2, 284, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1277: $2,285,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1278: 2, $286,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

1279: $2,287,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
1280: 2, $288,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1281: 2, 289, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1282: 2, 290, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1283: 2, 291, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1284: 2, 292, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1285: 2, 293, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1286: 2, 294, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1287: 2, 295, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1288: 2, 296, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1289: 2, 297, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1290: 2, 298, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1291: 2, 299, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1292: $2,300,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1293: 2, 301, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1294: $2,302,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1295: $2,303,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1296: 2, 304, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1297: $2,305,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1298: 2, 306, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1299: 2, 307, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1300: $2,308,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1301: $2,309,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1302: 2, 310, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1303: $2,311,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1304: 2, 312, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1305: $2,313,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1306: 2, 314, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1307: 2, $315,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1308: $2,316,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1309: $2,317,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1310: $2,318,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
1311: 2, 319, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1312: $2,320,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1313: 2, 321, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1314: 2, $322,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1315: $2,323,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1316: $2,324,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1317: $2,325,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1318: $2,326,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1319: $2,327,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
1320: $2,328,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1321: $2,329,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1322: $2,330,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1323: 2, 331, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1324: $2,332,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1325: $2,333,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1326: $2,334,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1327: 2, $335,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1328: $2,336,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1329: 2, 337, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1330: $2,338,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1331: $2,339,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1332: 2, 340, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1333: $2,341,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1334: $2,342,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1335: $2,343,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1336: $2,344,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1337: $2,345,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1338: $2,346,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1339: $2,347,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1340: $2,348,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1341: $2,349,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1342: $2,350,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

1343: $2,351,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1344: $2,352,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1345: $2,353,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1346: $2,354,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1347: $2,355,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1348: $2,356,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1349: $2,357,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1350: $2,358,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1351: 2, 359, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1352: $2,360,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1353: 2, 361, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1354: $2,362,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1355: 2, $363,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1356: $2,364,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1357: $2,365,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1358: $2,366,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1359: $2,367,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1360: $2,368,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1361: $2,369,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1362: 2, $370,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1363: 2, 371, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1364: $2,372,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1365: $2,373,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1366: $2,374,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1367: $2,375,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1368: 2, $376,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1369: $2,377,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1370: 2, $378,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1371: $2,379,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1372: $2,380,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1373: $2,381,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1374: $2,382,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1375: 2, 383, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1376: $2,384,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1377: $2,385,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1378: 2, $386,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1379: $2,387,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1380: $2,388,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1381: 2, $389,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1382: $2,390,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1383: 2, 391, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1384: $2,392,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1385: $2,393,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1386: $2,394,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1387: $2,395,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1388: $2,396,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1389: $2,397,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1390: $2,398,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1391: 2, $399,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1392: 2, 400, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1393: $2,401,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1394: 2, 402, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1395: $2,403,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1396: 2, 404, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1397: $2,405,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1398: $2,406,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1399: 2, $407,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1400: $2,408,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1401: $2,409,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1402: $2,410,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1403: $2,411,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1404: 2, 412, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1405: $2,413,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
1406: $2,414,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

1407: $2,415,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, "$
1408: 2, 416, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1409: 2, 417, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1410: $2,418,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1411: $2,419,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1412: $2,420,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1413: 2, 421, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1414: 2, $422,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1415: 2, 423, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1416: $2,424,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1417: $2,425,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1418: 2, 426, $0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
1419: $2,427,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1420: $2,428,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1421: 2, 429, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1422: 2, 430, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1423: $2,431,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1424: $2,432,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1425: 2, 433, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1426: $2,434,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1427: $2,435,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1428: $2,436,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1429: $2,437,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1430: $2,438,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1431: 2, 439, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1432: 2, 440, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1433: $2,441,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1434: $2,442,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1435: 2, 443, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1436: $2,444,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1437: 2, 445, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1438: $2,446,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1439: $2,447,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1440: $2,448,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1441: $2,449,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1442: 2, 450, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1443: $2,451,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1444: $2,452,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1445: $2,453,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1446: $2,454,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1447: $2,455,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1448: $2,456,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1449: $2,457,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1450: $2,458,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1451: 2, 459, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1452: $2,460,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1453: $2,461,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1454: $2,462,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1455: 2, 463, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1456: $2,464,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1457: $2,465,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1458: $2,466,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1459: $2,467,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1460: $2,468,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1461: $2,469,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1462: $2,470,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1463: 2, 471, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1464: 2, 472, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1465: $2,473,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1466: $2,474,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1467: $2,475,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1468: $2,476,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1469: $2,477,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1470: $2,478,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

1471: $2,479,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1472: 2, 480, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1473: $2,481,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1474: $2,482,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1475: 2, 483, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1476: $2,484,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1477: 2, 485, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1478: $2,486,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1479: 2, 487, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1480: $2,488,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1481: 2, 489, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1482: 2, 490, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1483: 2, 491, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1484: 2, 492, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1485: 2, 493, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1486: 2, 494, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1487: $2,495,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1488: 2, 496, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1489: 2, 497, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1490: $2,498,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1491: 2, 499, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1492: 2, $500,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1493: $2,501,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1494: $2,502,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1495: $2,503,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1496: $2,504,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1497: $2,505,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
1498: $2,506,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1499: 2, $507,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1500: $2,508,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1501: $2,509,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1502: $2,510,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1503: 2, 511, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1504: $2,512,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1505: 2, 513, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1506: $2,514,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1507: $2,515,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1508: $2,516,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1509: 2, $517,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1510: $2,518,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, \theta, \theta, " "$
1511: 2, 519, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1512: $2,520,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1513: $2,521,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1514: 2, $522,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1515: 2, $523,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1516: $2,524,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1517: $2,525,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1518: 2, $526,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1519: $2,527,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1520: $2,528,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1521: $2,529,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
1522: $2,530,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1523: 2, 531, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1524: 2, $532,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1525: 2, $533,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1526: $2,534,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1527: 2, $535,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
1528: 2, $536,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1529: $2,537,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1530: $2,538,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1531: $2,539,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1532: 2, 540, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1533: $2,541,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1534: $2,542,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

1535: $2,543,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
1536: 2, $544,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1537: $2,545,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1538: $2,546,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1539: $2,547,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1540: 2, $548,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1541: $2,549,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1542: 2, $550,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1543: 2, 551, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1544: $2,552,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1545: 2, 553, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1546: 2, $554,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1547: $2,555,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1548: 2, $556,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1549: 2,557, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1550: $2,558,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1551: $2,559,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1552: 2, $560,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1553: 2, $561,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1554: 2, $562,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1555: $2,563,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
1556: 2, $564,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1557: $2,565,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1558: 2, $566,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1559: 2, $567,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1560: $2,568,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1561: $2,569,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
1562: $2,570,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1563: 2, $571,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1564: $2,572,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1565: $2,573,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1566: 2, $574,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1567: $2,575,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1568: $2,576,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1569: 2, $577,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1570: $2,578,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1571: $2,579,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1572: 2, $580,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1573: 2, $581,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1574: $2,582,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1575: 2, 583, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1576: 2, $584,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1577: $2,585,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1578: 2, $586,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1579: 2, $587,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1580: $2,588,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1581: $2,589,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1582: 2, $590,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
1583: 2, $591,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1584: 2, $592,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1585: 2, 593, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1586: $2,594,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1587: $2,595,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1588: 2, $596,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1589: 2, $597,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1590: $2,598,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1591: 2, $599,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1592: 2, $600,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1593: $2,601,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1594: 2, $602,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1595: $2,603,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1596: 2, 604, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1597: 2, $605,0,0,0,0,0,0, \theta, 0,0,0, \theta, \theta, 0,0,0,0,0, \theta, 0, " "$
1598: 2, $606,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

1599: $2,607,0,0,0,0,0, \theta, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
1600: $2,608,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1601: $2,609,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1602: $2,610,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1603: $2,611,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1604: $2,612,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1605: $2,613,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1606: 2, $614,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1607: 2, $615,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1608: $2,616,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1609: 2, $617,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1610: $2,618,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1611: $2,619,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1612: 2, $620,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1613: 2, $621,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1614: $2,622,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1615: $2,623,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1616: 2, $624,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1617: $2,625,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1618: $2,626,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1619: 2, $627,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
1620: $2,628,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1621: $2,629,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1622: 2, $630,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1623: 2, $631,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1624: 2, $632,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1625: $2,633,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1626: 2, $634,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1627: 2, $635,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1628: $2,636,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1629: $2,637,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1630: $2,638,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
1631: $2,639,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1632: $2,640,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1633: 2, 641, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1634: 2, 642, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1635: $2,643,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1636: $2,644,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1637: $2,645,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1638: $2,646,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1639: 2, $647,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1640: $2,648,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1641: $2,649,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1642: 2, $650,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1643: 2, 651, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1644: $2,652,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1645: $2,653,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1646: 2, 654, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1647: $2,655,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1648: 2, $656,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1649: 2, $657,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1650: $2,658,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1651: $2,659,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1652: 2, $660,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1653: 2, 661, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1654: $2,662,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1655: 2, $663,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
1656: 2, $664,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1657: $2,665,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1658: 2, $666,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1659: $2,667,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1660: $2,668,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1661: $2,669,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1662: 2, $670,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

1663: $2,671,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1664: 2, $672,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1665: $2,673,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1666: $2,674,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1667: $2,675,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1668: $2,676,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1669: $2,677,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1670: $2,678,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1671: 2, $679,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1672: $2,680,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1673: 2, $681,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1674: $2,682,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1675: 2, 683, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,""
1676: $2,684,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1677: 2, $685,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1678: 2, $686,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1679: $2,687,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1680: 2, $688,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1681: 2, $689,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1682: 2, 690, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1683: 2, $691,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1684: 2, $692,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1685: $2,693,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1686: 2, 694, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1687: 2, $695,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1688: 2, $696,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1689: 2, $697,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
1690: 2, $698,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1691: 2, $699,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1692: $2,700,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1693: $2,701,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1694: 2, 702, $0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
1695: 2, 703, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1696: 2, 704, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1697: $2,705,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1698: 2, 706, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1699: 2, 707, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1700: 2, 708, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1701: 2, 709, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1702: 2, $710,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1703: 2, 711, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1704: 2, $712,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1705: $2,713,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1706: 2, 714, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1707: 2, 715, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1708: $2,716,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1709: 2, 717, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1710: $2,718,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1711: $2,719,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1712: 2, 720, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1713: $3,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1714: $3,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1715: $3,2,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1716: $3,3,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1717: $3,4,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1718: $3,5,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1719: $3,6,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
1720: $3,7,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1721: $3,8,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1722: 3, $9,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1723: $3,10,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0, " "$
1724: $3,11,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1725: $3,12,0,0,0,0,0,0,0,0,0, \theta, 0,0, \theta, 0,0,0,0, \theta, 0, " "$
1726: $3,13,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

1727: $3,14,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1728: $3,15,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1729: $3,16,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$,
1730: $3,17,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, "$
1731: $3,18,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$,
1732: $3,19,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1733: $3,20,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1734: $3,21,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1735: 3, 22, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, '$
1736: $3,23,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1737: $3,24,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1738: $3,25,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1739: $3,26,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1740: $3,27,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, "$
1741: $3,28,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
1742: $3,29,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1743: $3,30,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, "$
1744: $3,31,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$,
1745: $3,32,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1746: $3,33,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1747: $3,34,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0$,
1748: $3,35,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1749: $3,36,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1750: $3,37,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,{ }^{\prime}$
1751: $3,38,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1752: $3,39,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, '$
1753: $3,40,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0, " "$
1754: $3,41,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1755: $3,42,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1756: $3,43,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, "$
1757: $3,44,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$,
1758: $3,45,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1759: $3,46,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1760: $3,47,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0, '$
1761: $3,48,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1762: $3,49,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1763: $3,50,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1764: $3,51,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1765: $3,52,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1766: $3,53,0,0,0,0, \theta, 0,0, \theta, 0,0,0,0,0,0, \theta, 0,0,0,0, " "$
1767: $3,54,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1768: $3,55,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1769: $3,56,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, "$
1770: $3,57,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$,
1771: $3,58,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1772: $3,59,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1773: $3,60,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1774: $3,61,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1775: $3,62,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1776: $3,63,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1777: $3,64,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1778: $3,65,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1779: $3,66,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1780: $3,67,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1781: $3,68,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1782: $3,69,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1783: $3,70,0,0,0,0,0,0,0,0,0, \theta, 0,0, \theta, 0,0,0,0,0,0, " "$
1784: $3,71,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1785: $3,72,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1786: $3,73,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1787: $3,74,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1788: $3,75,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1789: $3,76,0,0,0,0,0,0,0,0,0, \theta, 0,0, \theta, 0,0,0, \theta, \theta, 0, " "$
1790: $3,77,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

1791: $3,78,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, "$
1792: $3,79,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1793: $3,80,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$,
1794: $3,81,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, "$
1795: $3,82,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$,
1796: $3,83,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1797: $3,84,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1798: $3,85,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1799: 3, $86,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
1800: $3,87,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1801: $3,88,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1802: $3,89,0, \theta, 0,0,0,0, \theta, 0,0, \theta, 0,0, \theta, 0,0,0, \theta, 0,0, " "$
1803: $3,90,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1804: $3,91,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1805: $3,92,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1806: $3,93,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1807: $3,94,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1808: $3,95,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1809: $3,96,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1810: $3,97,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1811: $3,98, \theta, \theta, 0,0, \theta, 0, \theta, \theta, 0, \theta, 0,0, \theta, 0,0,0, \theta, \theta, 0, " "$
1812: $3,99,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1813: $3,100,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1814: $3,101,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1815: $3,102,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1816: $3,103,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1817: $3,104,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1818: $3,105,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1819: $3,106,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1820: $3,107,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1821: $3,108,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1822: $3,109,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1823: $3,110,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1824: $3,111,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1825: $3,112,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1826: $3,113,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1827: $3,114,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1828: $3,115,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1829: $3,116,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1830: $3,117,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1831: 3, 118, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1832: $3,119,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1833: $3,120,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1834: $3,121,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1835: $3,122,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1836: $3,123,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1837: $3,124,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1838: $3,125,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1839: $3,126,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1840: $3,127,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1841: $3,128,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1842: $3,129,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1843: $3,130,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1844: $3,131,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1845: $3,132,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1846: $3,133,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1847: $3,134,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1848: $3,135,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1849: $3,136,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1850: $3,137,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1851: $3,138,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1852: $3,139,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1853: $3,140,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1854: $3,141,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

1855: $3,142,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1856: $3,143,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1857: $3,144,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1858: $3,145,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1859: $3,146,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1860: $3,147,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1861: $3,148,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1862: $3,149,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1863: 3, 150, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1864: $3,151,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1865: $3,152,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1866: $3,153,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1867: $3,154,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1868: $3,155,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1869: 3, 156, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1870: $3,157,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1871: $3,158,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1872: $3,159,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1873: $3,160,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1874: $3,161,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1875: $3,162,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1876: $3,163,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1877: $3,164,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1878: $3,165,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1879: $3,166,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1880: $3,167,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1881: $3,168,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1882: 3, 169, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1883: $3,170,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1884: $3,171,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1885: $3,172,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1886: $3,173,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1887: $3,174,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1888: $3,175,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1889: $3,176,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1890: $3,177,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1891: $3,178,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1892: $3,179,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1893: $3,180,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1894: $3,181,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1895: 3, 182, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1896: 3, 183, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1897: $3,184,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1898: $3,185,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1899: $3,186,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1900: $3,187,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1901: $3,188,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1902: 3, 189, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1903: $3,190,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1904: $3,191,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1905: $3,192,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1906: $3,193,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1907: $3,194,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1908: $3,195,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1909: $3,196,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1910: $3,197,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1911: $3,198,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1912: $3,199,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1913: $3,200,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1914: $3,201,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1915: $3,202,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1916: $3,203,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1917: $3,204,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
1918: 3, 205, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

1919: $3,206,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1920: $3,207,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1921: $3,208,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1922: $3,209,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1923: $3,210,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1924: $3,211,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1925: $3,212,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1926: $3,213,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1927: $3,214,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1928: $3,215,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1929: $3,216,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1930: $3,217,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1931: $3,218,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1932: $3,219,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1933: 3, 220, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1934: $3,221,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1935: $3,222,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1936: $3,223,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1937: 3, 224, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1938: $3,225,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1939: $3,226,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
1940: 3, 227, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1941: $3,228,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1942: 3, 229, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1943: $3,230,0,0,0,0,0,0, \theta, 0,0,0, \theta, \theta, 0,0,0,0,0, \theta, 0, " "$
1944: 3, 231, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1945: $3,232,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1946: $3,233,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1947: $3,234,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1948: $3,235,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1949: $3,236,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1950: $3,237,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
1951: $3,238,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1952: $3,239,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1953: $3,240,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1954: $3,241,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1955: $3,242,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1956: $3,243,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1957: $3,244,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1958: $3,245,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1959: 3, 246, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1960: $3,247,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1961: $3,248,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1962: 3, $249,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1963: $3,250,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1964: $3,251,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1965: $3,252,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1966: $3,253,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1967: $3,254,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1968: $3,255,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1969: 3, 256, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1970: $3,257,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1971: $3,258,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1972: 3, 259, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1973: $3,260,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1974: $3,261,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1975: $3,262,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1976: $3,263,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1977: $3,264,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1978: $3,265,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1979: $3,266,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1980: $3,267,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1981: $3,268,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1982: $3,269,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

1983: $3,270,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1984: $3,271,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1985: $3,272,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1986: $3,273,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1987: $3,274,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1988: $3,275,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1989: $3,276,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1990: $3,277,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1991: $3,278,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1992: $3,279,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1993: $3,280,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1994: $3,281,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1995: $3,282,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1996: $3,283,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1997: $3,284,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1998: $3,285,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
1999: $3,286,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2000: $3,287,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2001: $3,288,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2002: $3,289,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2003: 3, 290, $0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
2004: 3, 291, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2005: 3, 292, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2006: 3, 293, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2007: 3, 294, $0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
2008: 3, 295, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2009: 3, 296, $0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
2010: 3, 297, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2011: $3,298,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2012: $3,299,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2013: $3,300,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2014: $3,301,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2015: $3,302,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2016: $3,303,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2017: $3,304,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2018: $3,305,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2019: $3,306,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2020: $3,307,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2021: $3,308,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2022: $3,309,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2023: 3, 310, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2024: 3, 311, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2025: $3,312,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2026: $3,313,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2027: 3, 314, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2028: $3,315,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2029: 3, $316,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2030: $3,317,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2031: $3,318,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2032: 3, 319, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2033: $3,320,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2034: $3,321,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2035: 3, 322, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2036: 3, 323, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2037: $3,324,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2038: $3,325,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2039: 3, $326,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
2040: $3,327,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
2041: $3,328,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2042: $3,329,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2043: $3,330,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2044: 3, 331, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2045: $3,332,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2046: $3,333,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

2047: $3,334,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2048: 3, $335,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2049: $3,336,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2050: $3,337,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2051: $3,338,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
2052: 3, 339, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2053: $3,340,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2054: 3, 341, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2055: $3,342,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2056: $3,343,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2057: $3,344,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2058: $3,345,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2059: 3, $346,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2060: $3,347,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2061: 3, $348,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2062: $3,349,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2063: $3,350,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2064: $3,351,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2065: 3, 352, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2066: 3, $353,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2067: $3,354,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2068: 3, $355,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2069: 3, $356,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2070: $3,357,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2071: $3,358,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2072: 3, $359,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2073: $3,360,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2074: 3, 361, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2075: $3,362,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2076: $3,363,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2077: $3,364,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2078: $3,365,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
2079: $3,366,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2080: $3,367,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
2081: $3,368,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2082: $3,369,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2083: $3,370,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2084: 3, $371,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2085: $3,372,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2086: $3,373,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2087: 3, $374,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2088: 3, $375,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2089: $3,376,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2090: $3,377,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2091: $3,378,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2092: $3,379,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2093: 3, $380,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2094: 3, 381, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2095: 3, $382,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2096: $3,383,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2097: $3,384,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2098: $3,385,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2099: $3,386,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2100: 3, $387,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2101: $3,388,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2102: $3,389,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2103: $3,390,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
2104: $3,391,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2105: $3,392,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2106: 3, 393, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2107: $3,394,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2108: $3,395,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2109: $3,396,0,0,0,0,0,0, \theta, 0,0,0, \theta, 0,0,0,0,0,0, \theta, 0, " "$
2110: 3, 397, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

2111: $3,398,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2112: 3, $399,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2113: $3,400,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2114: $3,401,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2115: $3,402,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2116: $3,403,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2117: $3,404,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2118: $3,405,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2119: 3, $406,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2120: $3,407,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2121: $3,408,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2122: 3, 409, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2123: $3,410,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2124: $3,411,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2125: 3, 412, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2126: $3,413,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2127: $3,414,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2128: $3,415,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2129: $3,416,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2130: $3,417,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2131: $3,418,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2132: 3, 419, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2133: $3,420,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2134: $3,421,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2135: $3,422,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2136: 3, 423, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2137: $3,424,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2138: 3, 425, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2139: $3,426,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2140: $3,427,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2141: $3,428,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2142: $3,429,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2143: $3,430,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2144: $3,431,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2145: $3,432,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2146: $3,433,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2147: $3,434,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2148: $3,435,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2149: $3,436,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2150: $3,437,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2151: $3,438,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2152: $3,439,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2153: $3,440,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2154: $3,441,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2155: $3,442,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2156: $3,443,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2157: $3,444,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2158: 3, $445,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2159: $3,446,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2160: $3,447,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2161: $3,448,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2162: $3,449,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2163: $3,450,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2164: 3, 451, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2165: 3, 452, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2166: $3,453,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2167: $3,454,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2168: $3,455,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2169: $3,456,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2170: 3, 457, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2171: 3, $458,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2172: $3,459,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2173: $3,460,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
2174: 3, 461, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

|  |  |
| :---: | :---: |
| 2176: | $3,463,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2177 | $3,464,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2178: | $3,465,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2179: | $3,466,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2180: | $3,467,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2 | $3,468,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2182: | $3,469,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$ |
| 2183: | $3,470,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2 | $3,471,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 21 | $3,472,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2186: | $3,473,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2 | $3,474,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$ |
| 2188: | $3,475,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2189: | $3,476,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 21 | $3,477,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 219 | $3,478,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2192: | $3,479,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 219 | $3,480,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 219 | $3,481,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2195: | $3,482,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2196: | $3,483,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2197: | $3,484,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2198: | $3,485,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2199: | $3,486,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2200: | $3,487,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 22 | $3,488,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2202: | $3,489,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2203: | $3,490,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2204 | $3,491,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2205: | $3,492,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2206 | $3,493,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2207: | $3,494,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2208: | $3,495,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$ |
| 2209 | $3,496,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2210: | $3,497,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2211 | $3,498,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$ |
| 22 | $3,499,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2213: | $3,500,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 221 | $3,501,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 22 | $3,502,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2216: | $3,503,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2217: | $3,504,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2218: | $3,505,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2219: | $3,506,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2220: | $3,507,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2221: | $3,508,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2222: | $3,509,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \cdots$ |
|  | $3,510,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2224: | $3,511,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2225: | $3,512,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 22 | $3,513,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2227: | $3,514,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2228: | $3,515,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2229: | $3,516,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2230: | $3,517,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2231: | $3,518,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2232: | $3,519,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2233: | $3,520,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2234: | $3,521,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2235: | $3,522,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2236: | $3,523,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2237: | $3,524,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2238: | $3,525,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |


|  |  |
| :---: | :---: |
| 2240: | $3,527,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 22 | $3,528,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2 | $3,529,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2243: | $3,530,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2244: | $3,531,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2 | $3,532,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$ |
| 2246: | $3,533,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$ |
| 2247 : | $3,534,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$ |
| 22 | $3,535,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2249 | $3,536,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2250 | $3,537,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 22 | $3,538,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2252: | $3,539,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2253: | $3,540,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 225 | $3,541,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 225 | $3,542,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2 | $3,543,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2257: | $3,544,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2258: | $3,545,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
|  | $3,546,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2260: | $3,547,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2261: | $3,548,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 226 | $3,549,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2263: | $3,550,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2264: | $3,551,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 226 | $3,552,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2266: | $3,553,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 22 | $3,554,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2268: | $3,555,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2269 | $3,556,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$ |
| 227 | $3,557,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2271: | $3,558,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2272 | $3,559,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 22 | $3,560,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2274: | $3,561,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2275: | $3,562,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2276 | $3,563,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2277: | $3,564,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2278: | $3,565,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2279: | $3,566,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2280: | $3,567,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 22 | $3,568,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 228 | $3,569,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 228 | $3,570,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
|  | $3,571,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2285: | $3,572,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2286: | $3,573,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 228 | $3,574,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2288: | $3,575,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2289: | $3,576,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2290: | $3,577,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2291: | $3,578,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2292: | $3,579,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2293: | $3,580,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2294: | $3,581,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2295 | $3,582,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2296: | $3,583,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2297: | $3,584,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2298: | $3,585,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2299: | $3,586,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2300: | $3,587,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2301: | $3,588,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2302: | $3,589,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |



|  |  |
| :---: | :---: |
| 2 | $3,655,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$ |
| 23 | $3,656,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$ |
| 2370 | $3,657,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 23 | $3,658,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 237 | $3,659,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2 | $3,660,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2374: | $3,661,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$ |
| 2375 | $3,662,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2 | $3,663,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2377 | $3,664,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2378 | $3,665,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2 | $3,666,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2380: | $3,667,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2381 | $3,668,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 23 | $3,669,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2383 | $3,670,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2 | $3,671,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 238 | $3,672,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 238 | $3,673,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2 | $3,674,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2388 | $3,675,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 238 | $3,676,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2 | $3,677,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 239 | $3,678,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 239 | $3,679,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 23 | $3,680,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 239 | $3,681,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2395 | $3,682,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2396 | $3,683,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 239 | $3,684,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2398 | $3,685,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2399 | $3,686,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2400: | $3,687,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$ |
| 2401 | $3,688,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2402 | $3,689,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2403 | $3,690,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$ |
| 24 | $3,691,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2405 | $3,692,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2406 | $3,693,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2407 | $3,694,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2408 | $3,695,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 24 | $3,696,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2410 | $3,697,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 241 | $3,698,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 24 | $3,699,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 24 | $3,700,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 24 | $3,701,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
|  | $3,702,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2416: | $3,703,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2417: | $3,704,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
|  | $3,705,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2419 | $3,706,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2420: | $3,707,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 242 | $3,708,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2422 | $3,709,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2423 | $3,710,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 242 | $3,711,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2425: | $3,712,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2426: | $3,713,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2427: | $3,714,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2428: | $3,715,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 242 | $3,716,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2430: | $3,717,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |



|  |  |
| :---: | :---: |
| 2496 : | $4,62,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2 | $4,63,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2498 | $4,64,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2 | $4,65,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 25 | $4,66,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2501 | $4,67,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2 | $4,68,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$ |
| 2503: | $4,69,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2504 | $4,70,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 25 | $4,71,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 250 | $4,72,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2 | $4,73,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 250 | $4,74,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 250 | $4,75,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2 | $4,76,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 25 | $4,77,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2512 | $4,78,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
|  | $4,79,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2514 | $4,80,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 251 | $4,81,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 25 | $4,82,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2517 | $4,83,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 251 | $4,84,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 25 | $4,85,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2520 | $4,86,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 252 | $4,87,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 252 | $4,88,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2523 | $4,89,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2524 | $4,90,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 252 | $4,91,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2526 | $4,92,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 252 | $4,93,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2528: | $4,94,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2529 | $4,95,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 25 | $4,96,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2531: | $4,97,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 253 | $4,98,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 253 | $4,99,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2534 | $4,100,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$ |
| 2535 | $4,101,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2536 | $4,102,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2537 | $4,103,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$ |
| 253 | $4,104,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 253 | $4,105,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2540 | $4,106,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
|  | $4,107,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2542 | $4,108,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$ |
| 2543: | $4,109,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 25 | $4,110,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2545 | $4,111,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$ |
| 25 | $4,112,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2547 | $4,113,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2548: | $4,114,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$ |
| 2549 | $4,115,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2550: | $4,116,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2551: | $4,117,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$ |
|  | $4,118,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2553: | $4,119,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2554: | $4,120,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2555: | $4,121,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2556: | $4,122,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$ |
| 2557: | $4,123,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$, |
| 2558: | $4,124,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$ |

2559: 4, 125, $0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
2560: 4, 126, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2561: 4, 127, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2562: 4, 128, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2563: 4, 129, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2564: 4, 130, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2565: 4, 131, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2566: 4, 132, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2567: 4, 133, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2568: 4, 134, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2569: 4, 135, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2570: 4, 136, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2571: 4, 137, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2572: 4, 138, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2573: 4, 139, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2574: 4, 140, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2575: 4, 141, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2576: 4, 142, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2577: 4, 143, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2578: 4, 144, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2579: 4, 145, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2580: 4, 146, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2581: 4, 147, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2582: 4, 148, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2583: 4, 149, $0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
2584: 4, 150, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2585: 4, 151, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2586: 4, 152, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2587: 4, 153, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2588: 4, 154, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2589: 4, 155, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2590: $4,156,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
2591: 4, 157, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2592: 4, 158, $0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
2593: 4, 159, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2594: 4, 160, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2595: 4, 161, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2596: 4, 162, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2597: 4, 163, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2598: 4, $164,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2599: $4,165,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2600: 4, 166, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2601: $4,167,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2602: 4, $168,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2603: 4, 169, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2604: 4, 170, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2605: 4, 171, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2606: 4, 172, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2607: 4, 173, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2608: 4, 174, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2609: 4, 175, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2610: 4, 176, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2611: 4, 177, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2612: 4, 178, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2613: 4, 179, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2614: 4, 180, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2615: 4, 181, $0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
2616: 4, 182, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2617: 4, 183, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2618: 4, 184, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2619: 4, 185, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2620: 4, 186, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2621: 4, 187, $0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
2622: 4, 188, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

2623: 4, 189, $0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
2624: 4, 190, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2625: 4, 191, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2626: 4, 192, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2627: 4, 193, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2628: 4, 194, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2629: 4, 195, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2630: 4, 196, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2631: 4, 197, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2632: 4, 198, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2633: 4, 199, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2634: 4, 200, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2635: 4, 201, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2636: 4, 202, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2637: 4, 203, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2638: 4, 204, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2639: 4, 205, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2640: 4, 206, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2641: 4, 207, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2642: 4, 208, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2643: 4, 209, $0,0,0,0,0,0,0,0,0,0,0, \theta, 0, \theta, 0,0,0, \theta, 0, " "$
2644: 4, 210, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2645: 4, 211, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2646: 4, 212, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2647: 4, 213, $0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
2648: 4, 214, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2649: 4, 215, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2650: 4, 216, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2651: 4, 217, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2652: 4, 218, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2653: 4, 219, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2654: 4, 220, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2655: 4, 221, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2656: 4, 222, $0,0,0,0,0, \theta, \theta, 0,0,0, \theta, \theta, 0, \theta, 0,0,0, \theta, 0, " "$
2657: 4, 223, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2658: 4, 224, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2659: 4, 225, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2660: 4, 226, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2661: 4, 227, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2662: 4, 228, $0,0,0,0,0,0,0,0,0,0,0, \theta, 0, \theta, 0,0,0, \theta, \theta, " "$
2663: 4, 229, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2664: 4, 230, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2665: 4, 231, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2666: 4, 232, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2667: 4, 233, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2668: 4, $234,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2669: 4, 235, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2670: 4, 236, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2671: 4, 237, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2672: 4, 238, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2673: 4, 239, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2674: 4, 240, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2675: 4, 241, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2676: 4, 242, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2677: 4, 243, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2678: 4, $244,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2679: 4, 245, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2680: 4, $246,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2681: 4, $247,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2682: 4, $248,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2683: 4, 249, $0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, " "$
2684: 4, 250, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2685: 4, 251, $0,0,0,0,0,0, \theta, 0,0,0, \theta, \theta, 0,0,0,0,0, \theta, 0, " "$
2686: 4, 252, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

2687: 4, 253, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2688: 4, 254, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2689: 4, 255, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2690: 4, 256, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2691: 4, $257,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2692: 4, 258, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2693: 4, 259, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2694: 4, $260,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2695: 4, 261, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2696: 4, $262,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2697: 4, $263,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2698: 4, 264, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2699: 4, $265,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2700: 4, $266,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2701: 4, $267,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2702: 4, $268,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2703: 4, 269, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2704: 4, 270, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2705: 4, 271, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2706: 4, 272, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2707: 4, 273, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2708: 4, 274, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2709: 4, 275, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2710: 4, $276,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2711: 4, 277, $0,0,0,0,0, \theta, \theta, 0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
2712: 4, 278, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2713: 4, 279, $0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
2714: 4, 280, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2715: 4, 281, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2716: 4, 282, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2717: 4, 283, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2718: 4, $284,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
2719: 4, $285,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2720: 4, $286,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2721: 4, 287, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2722: 4, 288, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2723: 4, $289,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2724: 4, 290, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2725: 4, 291, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2726: 4, 292, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2727: 4, 293, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2728: 4, 294, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2729: 4, 295, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2730: 4, 296, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2731: 4, 297, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2732: 4, 298, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2733: 4, 299, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2734: 4, $300,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2735: 4, 301, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2736: 4, $302,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2737: 4, 303, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2738: 4, $304,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2739: 4, $305,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2740: 4, $306,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2741: 4, $307,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2742: 4, $308,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2743: 4, 309, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2744: 4, 310, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2745: 4, 311, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2746: 4, 312, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2747: 4, 313, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2748: 4, 314, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2749: 4, 315, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2750: 4, 316, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

2751: 4, 317, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2752: 4, 318, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2753: 4, 319, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2754: 4, 320, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2755: 4, 321, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2756: 4, $322,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2757: 4, $323,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2758: 4, $324,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2759: 4, 325, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2760: 4, $326,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2761: 4, $327,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2762: 4, 328, $0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
2763: 4, $329,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2764: 4, 330, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2765: 4, 331, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2766: 4, $332,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2767: 4, 333, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2768: 4, $334,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2769: 4, 335, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2770: 4, $336,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2771: 4, 337, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2772: 4, $338,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2773: 4, 339, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2774: 4, $340,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2775: 4, 341, $0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
2776: 4, $342,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2777: 4, $343,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2778: 4, 344, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2779: 4, $345,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2780: 4, 346, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2781: 4, $347,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2782: 4, $348,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2783: 4, 349, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2784: 4, $350,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2785: 4, 351, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2786: 4, 352, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2787: 4, $353,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2788: 4, 354, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2789: 4, $355,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2790: 4, 356, $0,0,0,0,0,0,0,0,0,0,0, \theta, 0, \theta, 0,0,0, \theta, \theta, " "$
2791: 4, 357, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2792: 4, $358,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2793: 4, 359, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2794: 4, $360,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2795: 4, 361, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2796: 4, $362,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2797: 4, $363,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2798: 4, $364,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2799: 4, $365,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2800: 4, $366,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2801: $4,367,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2802: 4, $368,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2803: 4, $369,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2804: 4, $370,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2805: 4, 371, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2806: 4, $372,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2807: 4, $373,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2808: 4, $374,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2809: 4, $375,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2810: $4,376,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2811: $4,377,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2812: 4, $378,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2813: 4, 379, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2814: 4, $380,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

2815: 4, 381, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2816: 4, $382,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2817: 4, 383, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2818: 4, $384,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2819: 4, $385,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2820: 4, $386,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2821: 4, $387,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2822: 4, $388,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2823: 4, 389, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2824: 4, $390,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2825: 4, 391, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2826: 4, $392,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2827: 4, $393,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2828: 4, $394,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2829: 4, 395, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2830: 4, $396,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2831: $4,397,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2832: 4, $398,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2833: 4, 399, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2834: 4, 400, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2835: 4, 401, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2836: 4, 402, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2837: 4, 403, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2838: 4, 404, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2839: 4, 405, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2840: 4, 406, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2841: 4, 407, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2842: 4, 408, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2843: 4, 409, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2844: 4, 410, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2845: 4, 411, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2846: 4, 412, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2847: 4, 413, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2848: 4, 414, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2849: 4, 415, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2850: 4, 416, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2851: 4, 417, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2852: 4, 418, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2853: 4, 419, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2854: 4, 420, $0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
2855: 4, 421, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2856: 4, 422, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2857: 4, 423, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2858: 4, $424,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2859: 4, 425, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2860: 4, 426, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2861: 4, 427, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2862: 4, 428, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2863: 4, 429, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2864: 4, 430, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2865: 4, 431, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2866: 4, 432, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2867: 4, 433, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2868: 4, $434,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2869: 4, 435, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2870: $4,436,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2871: 4, $437,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2872: 4, $438,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2873: 4, 439, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2874: 4, 440, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2875: 4, 441, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2876: 4, 442, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2877: 4, 443, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2878: 4, 444, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

2879: 4, 445, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2880: 4, 446, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2881: 4, 447, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2882: 4, 448, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2883: 4, 449, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2884: 4, 450, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2885: 4, 451, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2886: 4, 452, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2887: 4, 453, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2888: 4, 454, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2889: 4, 455, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2890: 4, 456, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2891: 4, 457, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2892: 4, 458, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2893: 4, 459, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2894: 4, 460, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2895: 4, 461, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2896: 4, 462, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2897: 4, 463, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2898: 4, 464, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2899: 4, $465,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2900: 4, $466,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2901: $4,467,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2902: 4, 468, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2903: 4, 469, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2904: 4, 470, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2905: 4, 471, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2906: 4, 472, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2907: 4, 473, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2908: 4, 474, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2909: 4, $475,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2910: 4, 476, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2911: 4, 477, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2912: 4, 478, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2913: 4, 479, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2914: 4, 480, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2915: 4, 481, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2916: 4, 482, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2917: 4, 483, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2918: 4, 484, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2919: 4, 485, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2920: 4, 486, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2921: $4,487,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2922: 4, $488,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2923: 4, 489, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2924: 4, 490, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2925: 4, 491, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2926: 4, 492, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2927: 4, 493, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2928: 4, 494, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2929: 4, 495, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2930: 4, 496, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2931: 4, 497, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2932: 4, 498, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2933: 4, 499, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2934: 4, $500,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2935: 4, $501,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
2936: 4, $502,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
2937: 4, $503,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2938: 4, $504,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2939: 4, $505,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2940: 4, $506,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2941: 4, $507,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2942: 4, $508,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

2943: 4, $509,0,0,0,0,0, \theta, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
2944: 4, $510,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2945: 4, $511,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2946: 4, 512, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2947: 4, $513,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2948: 4, $514,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2949: 4, $515,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2950: 4, $516,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2951: 4, $517,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2952: 4, $518,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2953: 4, $519,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2954: 4, $520,0,0,0,0,0, \theta, \theta, 0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
2955: 4, $521,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2956: 4, $522,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
2957: 4, $523,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2958: 4, $524,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2959: 4, $525,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2960: 4, $526,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2961: 4, $527,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2962: 4, $528,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2963: 4, $529,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2964: 4, $530,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
2965: 4, $531,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2966: 4, $532,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2967: 4, $533,0,0,0,0,0,0,0,0, \theta, 0,0,0, \theta, 0,0,0,0, \theta, 0, " "$
2968: 4, $534,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2969: 4, $535,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2970: 4, $536,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2971: 4, $537,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2972: 4, $538,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2973: 4, $539,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2974: 4, $540,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
2975: 4, 541, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2976: 4, $542,0,0,0,0,0,0, \theta, 0,0,0, \theta, \theta, 0,0,0,0,0, \theta, 0, " "$
2977: 4, $543,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2978: 4, $544,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2979: 4, $545,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2980: 4, $546,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2981: 4, $547,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2982: 4, $548,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2983: 4, $549,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2984: 4, $550,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2985: 4, 551, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2986: 4, 552, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2987: 4, 553, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2988: 4, 554, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2989: 4, $555,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2990: 4, $556,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2991: 4, $557,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2992: 4, 558, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2993: 4, $559,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2994: 4, $560,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2995: 4, $561,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2996: 4, $562,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2997: 4, $563,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2998: 4, $564,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
2999: 4, $565,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
3000: $4,566,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3001: 4, $567,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3002: 4, $568,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3003: 4, $569,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3004: 4, $570,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3005: 4, $571,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3006: 4, 572, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

3007: 4, $573,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3008: 4, $574,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3009: 4, $575,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3010: 4, $576,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3011: 4, $577,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3012: 4, $578,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3013: 4, $579,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3014: 4, $580,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3015: 4, 581, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3016: 4, $582,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3017: 4, $583,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3018: 4, $584,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
3019: 4, $585,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3020: 4, $586,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3021: 4, $587,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3022: 4, $588,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3023: 4, 589, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3024: 4, 590, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3025: 4, 591, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3026: 4, $592,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3027: 4, $593,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
3028: 4, 594, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3029: 4, $595,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3030: 4, $596,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3031: 4, 597, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3032: 4, $598,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3033: 4, 599, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3034: 4, $600,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3035: 4, 601, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3036: 4,602,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3037: 4, 603, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3038: 4, 604, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3039: 4, 605, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3040: 4,606,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3041: $4,607,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3042: 4, 608, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3043: 4, 609, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3044: 4, $610,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3045: 4, 611, 0, 0, 0, 0, 0, 0, 0, $0,0,0,0,0,0,0,0,0,0,0,0, " "$
3046: 4, 612, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3047: 4, 613, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3048: 4, $614,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3049: 4, $615,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3050: 4, $616,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3051: 4, 617, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3052: 4, 618, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3053: 4, 619, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3054: 4, 620, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3055: 4, 621, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3056: 4, $622,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3057: 4, 623, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3058: 4, $624,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3059: 4, 625, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3060: 4, $626,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3061: 4, $627,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3062: 4, 628, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3063: 4, $629,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3064: 4, $630,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3065: 4, 631, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3066: 4,632,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3067: 4, 633, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3068: 4, 634, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3069: 4, $635,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3070: 4, 636, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

3071: 4, $637,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3072: 4, $638,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3073: 4, 639, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3074: 4, 640, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3075: 4, 641, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3076: 4, 642, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3077: 4, 643, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3078: 4, 644, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3079: 4, $645,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3080: 4, 646, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3081: 4, 647, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3082: 4, $648,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
3083: 4, 649, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3084: 4, 650, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3085: 4, 651, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3086: 4, 652, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3087: 4, 653, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3088: 4, 654, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3089: 4, 655, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3090: 4,656,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3091: 4, 657, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3092: 4, 658, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3093: 4, 659, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3094: 4, 660, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3095: 4, 661, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3096: 4, $662,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3097: 4, 663, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3098: 4, 664, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3099: 4,665,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3100: 4, 666, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3101: $4,667,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3102: 4, $668,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3103: 4, 669, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3104: 4, $670,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3105: 4, 671, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3106: 4, 672, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3107: 4, $673,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3108: $4,674,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3109: 4, 675, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3110: $4,676,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3111: 4, $677,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3112: 4, $678,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3113: 4, 679, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3114: 4, $680,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3115: 4, 681, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3116: 4, 682, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3117: 4, $683,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3118: 4, 684, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3119: 4, $685,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3120: $4,686,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3121: $4,687,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3122: 4, $688,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3123: 4, 689, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3124: 4, 690, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3125: 4, 691, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3126: 4, 692, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3127: 4, $693,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3128: 4, 694, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3129: 4, $695,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3130: $4,696,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3131: 4, 697, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3132: 4, 698, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3133: 4, 699, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3134: 4, 700, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

3135: 4, 701, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3136: 4, 702, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3137: 4, 703, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3138: 4, 704, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3139: 4, 705, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3140: 4, 706, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3141: $4,707,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3142: 4, $708,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3143: 4, 709, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3144: 4, 710, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3145: 4, 711, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3146: 4, 712, $0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
3147: 4, 713, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3148: 4, $714,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3149: 4, 715, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3150: $4,716,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3151: $4,717,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3152: 4, 718, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3153: 4, 719, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3154: 4, $720,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3155: 5, $0,0, \theta, 0,0,0,0, \theta, 0,0,0,0, \theta, 0,0, \theta, 0,0,0,0, " "$
3156: $5,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3157: $5,2,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3158: $5,3,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
3159: $5,4,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3160: $5,5,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3161: $5,6,0, \theta, 0,0,0,0, \theta, 0,0,0,0, \theta, 0, \theta, \theta, 0,0,0,0, " "$
3162: $5,7,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3163: $5,8,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3164: $5,9,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3165: $5,10,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3166: $5,11,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0, " "$
3167: $5,12,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3168: $5,13,0,0,0,0, \theta, 0,0, \theta, 0,0,0,0, \theta, 0,0,0,0,0,0, " "$
3169: $5,14,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3170: $5,15,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3171: $5,16,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3172: $5,17,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3173: $5,18,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3174: $5,19,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3175: $5,20,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3176: $5,21,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3177: $5,22,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, "$
3178: $5,23,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3179: $5,24,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3180: $5,25,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3181: $5,26,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3182: $5,27,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3183: $5,28,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3184: $5,29,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3185: $5,30,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0, " "$
3186: $5,31,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3187: $5,32,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3188: $5,33,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3189: $5,34,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3190: $5,35,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3191: $5,36,0,0,0,0,0,0,0,0,0, \theta, 0,0, \theta, 0,0,0, \theta, \theta, 0, " "$
3192: $5,37,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3193: $5,38,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3194: $5,39,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3195: $5,40,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0, " "$
3196: $5,41,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3197: $5,42,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3198: $5,43,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

3199: $5,44,0,0,0,0,0,0,0, \theta, 0,0,0,0, \theta, 0,0,0,0,0,0, " "$
3200: $5,45,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3201: $5,46,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3202: $5,47,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, "$
3203: $5,48,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$,
3204: $5,49,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3205: $5,50,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3206: $5,51,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3207: $5,52,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3208: $5,53,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3209: $5,54,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3210: $5,55,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3211: $5,56,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3212: $5,57,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3213: $5,58,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3214: $5,59,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3215: $5,60,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3216: $5,61,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3217: $5,62,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3218: $5,63,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3219: $5,64,0,0,0,0, \theta, 0, \theta, \theta, 0, \theta, 0,0, \theta, 0, \theta, 0, \theta, \theta, \theta, " "$
3220: $5,65,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3221: $5,66,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3222: $5,67,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3223: $5,68,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3224: $5,69,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3225: $5,70,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
3226: $5,71,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3227: $5,72,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3228: $5,73,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, "$
3229: 5, 74, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
3230: $5,75,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3231: $5,76,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3232: $5,77,0,0,0,0, \theta, 0,0, \theta, 0,0,0,0, \theta, 0,0,0,0,0,0, " "$
3233: $5,78,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3234: $5,79,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3235: $5,80,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3236: $5,81,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3237: $5,82,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3238: $5,83,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3239: $5,84,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
$3240: 5,85,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3241: $5,86,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, "$
3242: $5,87,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
3243: $5,88,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3244: $5,89,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3245: $5,90,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3246: $5,91,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3247: $5,92,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3248: $5,93,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0, " "$
3249: $5,94,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0, " "$
3250: $5,95,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3251: $5,96,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3252: 5, $97,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
3253: $5,98,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3254: $5,99,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
3255: $5,100,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3256: $5,101,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3257: $5,102,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3258: $5,103,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3259: $5,104,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3260: $5,105,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3261: $5,106,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3262: $5,107,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

3263: $5,108,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$ 3264: $5,109,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$ 3265: $5,110,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3266: $5,111,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3267: 5, 112, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3268: $5,113,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3269: $5,114,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3270: $5,115,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3271: 5,116,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3272: $5,117,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3273: $5,118,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3274: $5,119,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3275: $5,120,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3276: $5,121,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3277: $5,122,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3278: $5,123,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3279: $5,124,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3280: $5,125,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3281: $5,126,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3282: $5,127,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3283: $5,128,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3284: $5,129,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3285: $5,130,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3286: $5,131,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3287: $5,132,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3288: $5,133,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3289: $5,134,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3290: $5,135,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3291: $5,136,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3292: $5,137,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3293: $5,138,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3294: $5,139,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3295: $5,140,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3296: $5,141,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3297: $5,142,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3298: $5,143,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3299: $5,144,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3300: 5,145,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3301: $5,146,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3302: $5,147,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3303: $5,148,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3304: $5,149,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3305: 5,150,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3306: $5,151,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3307: $5,152,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3308: $5,153,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3309: $5,154,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3310: 5,155,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3311: $5,156,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3312: $5,157,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3313: $5,158,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3314: $5,159,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3315: $5,160,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3316: $5,161,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3317: $5,162,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3318: $5,163,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3319: $5,164,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3320: 5,165,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3321: $5,166,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3322: $5,167,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3323: $5,168,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3324: $5,169,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3325: $5,170,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3326: 5, 171, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,""

3327: $5,172,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3328: $5,173,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3329: $5,174,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3330: 5,175,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3331: $5,176,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3332: $5,177,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3333: 5,178,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3334: $5,179,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3335: 5,180,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3336: 5,181,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3337: $5,182,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3338: $5,183,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3339: $5,184,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3340: 5,185,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3341: $5,186,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3342: $5,187,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3343: $5,188,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3344: $5,189,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3345: $5,190,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3346: $5,191,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3347: $5,192,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3348: $5,193,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3349: $5,194,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3350: $5,195,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3351: $5,196,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3352: $5,197,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3353: $5,198,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3354: $5,199,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3355: $5,200,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3356: 5,201,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3357: $5,202,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3358: 5,203,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3359: $5,204,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3360: 5,205,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3361: $5,206,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3362: $5,207,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3363: $5,208,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3364: 5,209,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3365: $5,210,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3366: 5,211,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3367: $5,212,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3368: $5,213,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3369: $5,214,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3370: 5,215,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3371: 5,216,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3372: $5,217,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3373: $5,218,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3374: 5,219,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3375: 5,220,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3376: 5,221,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3377: $5,222,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3378: $5,223,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3379: 5,224,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3380: $5,225,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3381: 5,226,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3382: $5,227,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3383: $5,228,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3384: $5,229,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3385: $5,230,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3386: 5,231,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3387: $5,232,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3388: $5,233,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3389: $5,234,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3390: $5,235,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

3391: $5,236,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3392: $5,237,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3393: $5,238,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3394: $5,239,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3395: 5, 240, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3396: 5,241,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3397: $5,242,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3398: $5,243,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3399: $5,244,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3400: $5,245,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3401: $5,246,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3402: $5,247,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
3403: $5,248,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3404: $5,249,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3405: $5,250,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3406: $5,251,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3407: $5,252,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3408: $5,253,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3409: $5,254,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3410: $5,255,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3411: $5,256,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3412: $5,257,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3413: $5,258,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3414: $5,259,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3415: $5,260,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3416: $5,261,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3417: $5,262,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3418: $5,263,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3419: $5,264,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3420: 5,265,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3421: $5,266,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3422: $5,267,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3423: $5,268,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3424: $5,269,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3425: 5, 270, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3426: $5,271,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3427: $5,272,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3428: $5,273,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3429: $5,274,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3430: 5,275,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3431: $5,276,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3432: $5,277,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3433: $5,278,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3434: 5, 279, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3435: $5,280,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3436: $5,281,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3437: $5,282,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3438: 5,283,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3439: $5,284,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3440: 5,285,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3441: 5,286,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3442: $5,287,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3443: 5,288,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3444: $5,289,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3445: 5,290,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3446: $5,291,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3447: $5,292,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3448: $5,293,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3449: $5,294,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3450: $5,295,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3451: $5,296,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3452: $5,297,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3453: $5,298,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3454: $5,299,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

3455: 5, 300, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3456: $5,301,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3457: $5,302,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3458: $5,303,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3459: $5,304,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3460: $5,305,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3461: 5,306,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3462: $5,307,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3463: $5,308,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3464: $5,309,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3465: $5,310,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3466: $5,311,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3467: $5,312,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3468: $5,313,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3469: $5,314,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3470: 5,315,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3471: $5,316,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3472: $5,317,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3473: $5,318,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3474: $5,319,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3475: $5,320,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3476: $5,321,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3477: $5,322,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3478: $5,323,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3479: $5,324,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3480: $5,325,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3481: 5,326,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3482: $5,327,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3483: $5,328,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3484: $5,329,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3485: $5,330,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3486: $5,331,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3487: $5,332,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3488: $5,333,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3489: $5,334,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3490: 5,335,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3491: $5,336,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3492: $5,337,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3493: $5,338,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3494: $5,339,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3495: $5,340,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3496: $5,341,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3497: $5,342,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3498: $5,343,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3499: $5,344,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3500: $5,345,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3501: $5,346,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3502: $5,347,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3503: $5,348,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3504: $5,349,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3505: $5,350,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3506: $5,351,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3507: $5,352,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3508: $5,353,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3509: $5,354,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3510: $5,355,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3511: $5,356,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3512: $5,357,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3513: $5,358,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3514: $5,359,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3515: $5,360,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3516: $5,361,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3517: $5,362,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3518: $5,363,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

3519: $5,364,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3520: $5,365,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3521: $5,366,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3522: $5,367,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3523: $5,368,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3524: $5,369,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3525: 5,370,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3526: $5,371,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3527: $5,372,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3528: $5,373,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3529: $5,374,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3530: $5,375,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
3531: $5,376,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3532: $5,377,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3533: $5,378,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3534: $5,379,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3535: $5,380,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3536: $5,381,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3537: $5,382,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3538: $5,383,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3539: $5,384,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3540: $5,385,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3541: $5,386,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3542: $5,387,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3543: 5,388,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3544: $5,389,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3545: $5,390,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
3546: $5,391,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3547: $5,392,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3548: $5,393,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3549: $5,394,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3550: $5,395,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3551: $5,396,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3552: $5,397,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3553: $5,398,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3554: $5,399,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3555: $5,400,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3556: $5,401,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3557: $5,402,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3558: $5,403,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3559: $5,404,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3560: $5,405,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3561: 5,406,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3562: $5,407,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3563: $5,408,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3564: $5,409,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3565: $5,410,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3566: $5,411,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3567: $5,412,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3568: $5,413,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3569: $5,414,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3570: 5,415,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3571: $5,416,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3572: $5,417,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3573: $5,418,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3574: $5,419,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3575: $5,420,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
3576: $5,421,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3577: $5,422,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3578: $5,423,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3579: $5,424,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3580: $5,425,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3581: $5,426,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3582: $5,427,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

3583: $5,428,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3584: $5,429,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3585: $5,430,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3586: $5,431,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3587: $5,432,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3588: $5,433,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3589: $5,434,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3590: 5,435,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3591: $5,436,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3592: $5,437,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3593: $5,438,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3594: 5, 439, $0,0,0,0,0, \theta, 0,0, \theta, 0,0,0,0,0,0,0,0, \theta, 0, " "$
3595: $5,440,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3596: $5,441,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3597: $5,442,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3598: $5,443,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3599: $5,444,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3600: $5,445,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3601: $5,446,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3602: $5,447,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3603: $5,448,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3604: $5,449,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3605: $5,450,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3606: $5,451,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3607: $5,452,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3608: $5,453,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3609: $5,454,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3610: $5,455,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3611: $5,456,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3612: $5,457,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3613: $5,458,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3614: $5,459,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3615: $5,460,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3616: $5,461,0,0,0,0,0,0, \theta, 0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
3617: $5,462,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3618: $5,463,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3619: $5,464,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3620: 5,465,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3621: $5,466,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3622: $5,467,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
3623: $5,468,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3624: $5,469,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3625: $5,470,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3626: $5,471,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3627: $5,472,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3628: $5,473,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3629: $5,474,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3630: $5,475,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3631: $5,476,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3632: $5,477,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3633: $5,478,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3634: $5,479,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3635: $5,480,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3636: $5,481,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3637: $5,482,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3638: $5,483,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3639: $5,484,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3640: $5,485,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3641: $5,486,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3642: $5,487,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3643: $5,488,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3644: $5,489,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3645: $5,490,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3646: $5,491,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

3647: $5,492,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3648: $5,493,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3649: $5,494,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3650: 5,495,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3651: $5,496,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3652: $5,497,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3653: $5,498,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3654: $5,499,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3655: 5, 500, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3656: $5,501,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3657: $5,502,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3658: $5,503,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
3659: $5,504,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3660: $5,505,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3661: $5,506,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3662: $5,507,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3663: $5,508,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3664: $5,509,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3665: $5,510,0,0,0, \theta, 0,0,0,0,0,0,0, \theta, 0, \theta, 0,0,0, \theta, \theta, " "$
3666: $5,511,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3667: $5,512,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
3668: 5, $513,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3669: $5,514,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3670: $5,515,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3671: $5,516,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3672: $5,517,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3673: $5,518,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
3674: $5,519,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3675: 5, 520, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3676: 5,521,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3677: $5,522,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3678: $5,523,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3679: $5,524,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3680: $5,525,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3681: $5,526,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3682: $5,527,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3683: $5,528,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3684: 5, $529,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3685: $5,530,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3686: $5,531,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3687: $5,532,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3688: $5,533,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3689: $5,534,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3690: $5,535,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3691: $5,536,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3692: $5,537,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3693: $5,538,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3694: $5,539,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3695: $5,540,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3696: $5,541,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3697: $5,542,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3698: $5,543,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3699: $5,544,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3700: $5,545,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3701: $5,546,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3702: $5,547,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3703: $5,548,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3704: 5, 549, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3705: $5,550,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3706: $5,551,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3707: $5,552,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3708: $5,553,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3709: 5, 554, $0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
3710: $5,555,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

3711: $5,556,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3712: $5,557,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3713: $5,558,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3714: $5,559,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3715: $5,560,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3716: $5,561,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3717: $5,562,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3718: $5,563,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3719: $5,564,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3720: 5,565,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3721: $5,566,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3722: $5,567,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
3723: $5,568,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3724: $5,569,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3725: $5,570,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, " "$
3726: $5,571,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3727: $5,572,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3728: $5,573,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3729: 5, $574,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3730: 5,575,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3731: $5,576,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3732: 5, $577,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3733: 5,578,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3734: $5,579,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3735: $5,580,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3736: $5,581,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3737: $5,582,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
3738: $5,583,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3739: $5,584,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3740: 5,585,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3741: $5,586,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3742: 5,587,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3743: $5,588,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3744: 5,589,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3745: 5,590,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3746: 5,591,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3747: $5,592,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3748: $5,593,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3749: $5,594,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3750: $5,595,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3751: $5,596,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3752: $5,597,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3753: $5,598,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3754: 5, 599, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3755: $5,600,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3756: $5,601,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3757: $5,602,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3758: $5,603,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3759: $5,604,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3760: $5,605,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3761: 5,606,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3762: $5,607,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3763: $5,608,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3764: $5,609,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3765: $5,610,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3766: 5,611,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3767: $5,612,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3768: $5,613,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3769: $5,614,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3770: 5,615,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3771: 5,616,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3772: $5,617,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3773: $5,618,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3774: $5,619,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

3775: 5, 620, $0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
3776: $5,621,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3777: $5,622,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3778: $5,623,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3779: $5,624,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3780: $5,625,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3781: $5,626,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3782: 5, $627,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3783: $5,628,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3784: $5,629,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3785: $5,630,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3786: $5,631,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
3787: $5,632,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3788: $5,633,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3789: $5,634,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3790: 5,635,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3791: $5,636,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3792: $5,637,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3793: $5,638,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3794: $5,639,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3795: $5,640,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3796: 5,641,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3797: $5,642,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3798: $5,643,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3799: $5,644,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3800: $5,645,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3801: 5,646,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3802: $5,647,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3803: $5,648,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3804: $5,649,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3805: 5, 650, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3806: $5,651,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3807: $5,652,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3808: $5,653,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3809: $5,654,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3810: $5,655,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3811: $5,656,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3812: $5,657,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3813: $5,658,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3814: $5,659,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3815: $5,660,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3816: $5,661,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3817: $5,662,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3818: $5,663,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3819: $5,664,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3820: $5,665,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3821: $5,666,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3822: $5,667,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3823: $5,668,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3824: $5,669,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3825: $5,670,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3826: $5,671,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3827: $5,672,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3828: $5,673,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3829: $5,674,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3830: $5,675,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3831: $5,676,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3832: $5,677,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3833: $5,678,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3834: 5,679,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3835: $5,680,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3836: $5,681,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3837: $5,682,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3838: $5,683,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

3839: $5,684,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3840: 5,685,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3841: $5,686,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3842: $5,687,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3843: $5,688,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3844: 5,689,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3845: $5,690,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3846: $5,691,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3847: $5,692,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3848: 5,693,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3849: $5,694,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3850: $5,695,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
3851: $5,696,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3852: $5,697,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3853: $5,698,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3854: $5,699,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3855: $5,700,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3856: $5,701,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3857: $5,702,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3858: $5,703,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3859: 5, 704, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3860: $5,705,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3861: $5,706,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3862: $5,707,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3863: $5,708,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3864: $5,709,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3865: $5,710,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3866: $5,711,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3867: $5,712,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3868: $5,713,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3869: 5, 714, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3870: 5,715,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3871: $5,716,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3872: $5,717,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3873: $5,718,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3874: $5,719,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3875: $5,720,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3876: $6,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3877: $6,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3878: $6,2,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3879: $6,3,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3880: $6,4,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3881: $6,5,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3882: $6,6,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3883: $6,7,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3884: $6,8,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3885: $6,9,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3886: $6,10,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3887: $6,11,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3888: $6,12,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3889: $6,13,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3890: $6,14,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3891: $6,15,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3892: $6,16,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3893: $6,17,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3894: $6,18,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3895: $6,19,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0, " "$
3896: $6,20,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3897: $6,21,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3898: $6,22,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3899: $6,23,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0, " "$
3900: $6,24,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3901: $6,25,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3902: $6,26,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

3903: $6,27,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3904: $6,28,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0, " "$
3905: $6,29,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3906: $6,30,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, "$
3907: $6,31,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3908: $6,32,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3909: $6,33,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3910: $6,34,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3911: $6,35,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3912: $6,36,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3913: $6,37,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3914: $6,38,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3915: $6,39,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3916: $6,40,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, "$
3917: $6,41,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3918: $6,42,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
3919: $6,43,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, "$
3920: $6,44,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
3921: $6,45,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3922: $6,46,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3923: $6,47,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, '$
3924: $6,48,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3925: $6,49,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3926: $6,50,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3927: $6,51,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3928: $6,52,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3929: $6,53,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3930: $6,54,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3931: $6,55,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3932: $6,56,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, "$
3933: $6,57,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3934: $6,58,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0, " "$
3935: $6,59,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3936: $6,60,0,0,0,0, \theta, 0, \theta, \theta, 0, \theta, 0, \theta, \theta, 0,0,0, \theta, \theta, 0, " "$
3937: $6,61,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3938: $6,62,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3939: $6,63,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3940: $6,64,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3941: $6,65,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3942: $6,66,0,0,0,0,0,0, \theta, 0,0, \theta, 0, \theta, \theta, 0, \theta, 0,0,0,0, " "$
3943: $6,67,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3944: $6,68,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3945: $6,69,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, '$
3946: $6,70,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3947: $6,71,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3948: $6,72,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3949: $6,73,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3950: $6,74,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0, " "$
3951: $6,75,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3952: $6,76,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0, " "$
3953: $6,77,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3954: $6,78,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3955: $6,79,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3956: $6,80,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3957: $6,81,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
3958: $6,82,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

3960: $6,84,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3961: $6,85,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3962: $6,86,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3963: $6,87,0,0,0,0,0,0,0, \theta, 0,0,0,0, \theta, 0,0,0,0,0,0, " "$
3964: $6,88,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3965: $6,89,0,0,0,0,0,0, \theta, 0,0, \theta, 0, \theta, \theta, 0, \theta, 0, \theta, \theta, \theta, " "$
3966: $6,90,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

3967: $6,91,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3968: $6,92,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0, " "$
3969: $6,93,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3970: $6,94,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3971: $6,95,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
3972: $6,96,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3973: $6,97,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3974: $6,98,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3975: $6,99,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3976: $6,100,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3977: $6,101,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3978: $6,102,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3979: $6,103,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3980: $6,104,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3981: $6,105,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3982: $6,106,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3983: $6,107,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3984: $6,108,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3985: $6,109,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3986: $6,110,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3987: $6,111,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3988: $6,112,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3989: $6,113,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3990: $6,114,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3991: $6,115,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3992: $6,116,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3993: $6,117,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3994: $6,118,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3995: $6,119,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
$3996: 6,120,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3997: $6,121,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3998: $6,122,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
3999: $6,123,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4000: $6,124,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4001: $6,125,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4002: $6,126,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4003: $6,127,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4004: $6,128,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4005: $6,129,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4006: $6,130,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4007: $6,131,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4008: $6,132,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4009: $6,133,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4010: $6,134,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4011: $6,135,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4012: $6,136,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4013: $6,137,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4014: $6,138,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4015: $6,139,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4016: $6,140,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4017: $6,141,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4018: $6,142,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4019: $6,143,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4020: $6,144,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4021: $6,145,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4022: $6,146,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4023: $6,147,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4024: $6,148,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4025: $6,149,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4026: $6,150,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4027: $6,151,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4028: $6,152,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4029: $6,153,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4030: $6,154,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

4031: $6,155,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4032: $6,156,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4033: $6,157,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4034: $6,158,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4035: $6,159,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4036: $6,160,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4037: $6,161,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4038: $6,162,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4039: $6,163,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4040: $6,164,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4041: $6,165,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4042: $6,166,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4043: $6,167,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4044: $6,168,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4045: $6,169,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4046: $6,170,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4047: $6,171,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4048: $6,172,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4049: $6,173,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4050: $6,174,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4051: $6,175,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4052: $6,176,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4053: $6,177,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4054: $6,178,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4055: $6,179,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4056: $6,180,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4057: $6,181,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4058: $6,182,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4059: $6,183,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4060: $6,184,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4061: $6,185,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4062: $6,186,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4063: $6,187,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4064: $6,188,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4065: $6,189,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4066: $6,190,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4067: $6,191,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4068: $6,192,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4069: $6,193,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4070: $6,194,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4071: $6,195,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4072: $6,196,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4073: $6,197,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4074: $6,198,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4075: $6,199,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4076: $6,200,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4077: $6,201,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4078: $6,202,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4079: $6,203,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4080: $6,204,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4081: $6,205,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4082: $6,206,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4083: $6,207,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4084: $6,208,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4085: $6,209,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4086: $6,210,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4087: $6,211,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4088: $6,212,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4089: $6,213,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4090: $6,214,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4091: $6,215,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4092: $6,216,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4093: $6,217,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4094: $6,218,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

4095: $6,219,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4096: $6,220,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4097: $6,221,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4098: $6,222,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4099: $6,223,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4100: $6,224,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4101: $6,225,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4102: $6,226,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4103: $6,227,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4104: $6,228,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4105: $6,229,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4106: $6,230,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
4107: $6,231,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4108: $6,232,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4109: $6,233,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
4110: $6,234,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4111: $6,235,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4112: $6,236,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, " "$
4113: $6,237,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4114: $6,238,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4115: $6,239,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, \theta, 0,0,0,0,0, " "$
4116: $6,240,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4117: $6,241,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4118: $6,242,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4119: $6,243,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4120: $6,244,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4121: $6,245,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4122: $6,246,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4123: $6,247,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4124: $6,248,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4125: $6,249,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4126: $6,250,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4127: $6,251,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4128: $6,252,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
4129: $6,253,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4130: $6,254,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4131: $6,255,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4132: $6,256,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
4133: $6,257,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4134: $6,258,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
4135: $6,259,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4136: $6,260,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4137: $6,261,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4138: $6,262,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4139: $6,263,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4140: $6,264,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4141: $6,265,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4142: $6,266,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4143: $6,267,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4144: $6,268,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4145: $6,269,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4146: $6,270,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4147: $6,271,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4148: $6,272,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4149: $6,273,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4150: $6,274,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
4151: $6,275,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4152: $6,276,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4153: $6,277,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4154: $6,278,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4155: $6,279,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4156: $6,280,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4157: $6,281,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0, \theta, 0, " "$
4158: $6,282,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

4159: $6,283,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
4160: $6,284,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4161: $6,285,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4162: $6,286,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4163: $6,287,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4164: $6,288,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4165: $6,289,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4166: $6,290,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4167: $6,291,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4168: $6,292,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4169: $6,293,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4170: $6,294,0,0,0,0,0, \theta, 0,0, \theta, 0,0,0,0,0,0,0,0, \theta, 0, " "$
4171: $6,295,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4172: $6,296,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4173: $6,297,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
4174: $6,298,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4175: $6,299,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4176: $6,300,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4177: $6,301,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4178: $6,302,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4179: $6,303,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4180: $6,304,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4181: $6,305,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4182: $6,306,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4183: $6,307,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
4184: $6,308,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4185: $6,309,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4186: $6,310,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4187: $6,311,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4188: $6,312,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4189: $6,313,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4190: $6,314,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4191: $6,315,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4192: $6,316,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4193: $6,317,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4194: $6,318,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4195: $6,319,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4196: $6,320,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4197: $6,321,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4198: $6,322,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4199: $6,323,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4200: $6,324,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4201: $6,325,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4202: $6,326,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4203: $6,327,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4204: $6,328,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4205: $6,329,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4206: $6,330,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4207: $6,331,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4208: $6,332,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4209: $6,333,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4210: $6,334,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4211: $6,335,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4212: $6,336,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4213: $6,337,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4214: $6,338,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4215: $6,339,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4216: $6,340,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4217: $6,341,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4218: $6,342,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4219: $6,343,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4220: $6,344,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4221: $6,345,0,0,0,0,0, \theta, 0,0,0,0,0,0, \theta, 0,0,0,0, \theta, 0, " "$
4222: $6,346,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

4223: $6,347,0,0,0,0,0,0,0, \theta, \theta, 0,0,0,0,0, \theta, 0,0, \theta, 0, " "$
4224: $6,348,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4225: $6,349,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4226: $6,350,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4227: $6,351,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4228: $6,352,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4229: $6,353,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4230: $6,354,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4231: $6,355,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4232: $6,356,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4233: $6,357,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4234: $6,358,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4235: $6,359,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4236: $6,360,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4237: $6,361,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4238: $6,362,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4239: $6,363,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4240: $6,364,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4241: $6,365,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4242: $6,366,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4243: $6,367,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0, \theta, 0, " "$
4244: $6,368,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4245: $6,369,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4246: $6,370,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4247: $6,371,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4248: $6,372,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4249: $6,373,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4250: $6,374,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4251: $6,375,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4252: $6,376,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4253: $6,377,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4254: $6,378,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
4255: $6,379,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4256: $6,380, \theta, 0,0,0,0, \theta, 0,0, \theta, 0,0,0, \theta, 0, \theta, 0,0, \theta, 0, " "$
4257: $6,381,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4258: $6,382,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4259: $6,383,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4260: $6,384,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4261: $6,385,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4262: $6,386,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
4263: $6,387,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4264: $6,388,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4265: $6,389,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4266: $6,390,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4267: $6,391,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4268: $6,392,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4269: $6,393,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4270: $6,394,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4271: $6,395,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4272: $6,396,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4273: $6,397,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4274: $6,398,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4275: $6,399,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4276: $6,400,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4277: $6,401,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4278: $6,402,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4279: $6,403,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4280: $6,404,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4281: $6,405,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4282: $6,406,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4283: $6,407,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4284: $6,408,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4285: $6,409,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
4286: $6,410,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

4287: $6,411,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4288: $6,412,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4289: $6,413,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4290: $6,414,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4291: $6,415,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4292: $6,416,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4293: $6,417,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4294: $6,418,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4295: $6,419,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4296: $6,420,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4297: $6,421,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4298: $6,422,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
4299: $6,423,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4300: $6,424,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4301: $6,425,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4302: $6,426,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4303: $6,427,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4304: $6,428,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4305: $6,429,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4306: $6,430,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4307: $6,431,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4308: $6,432,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4309: $6,433,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4310: $6,434,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4311: $6,435,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4312: $6,436,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4313: $6,437,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4314: $6,438,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4315: $6,439,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4316: $6,440,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4317: $6,441,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4318: $6,442,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4319: $6,443,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4320: $6,444,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4321: $6,445,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4322: $6,446,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4323: $6,447,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4324: $6,448,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4325: $6,449,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4326: $6,450,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, \theta, 0,0,0,0,0, " "$
4327: $6,451,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4328: $6,452,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4329: $6,453,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4330: $6,454,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4331: $6,455,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4332: $6,456,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4333: $6,457,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4334: $6,458,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4335: $6,459,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4336: $6,460,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4337: $6,461,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4338: $6,462,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4339: $6,463,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4340: $6,464,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4341: $6,465,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4342: $6,466,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4343: $6,467,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4344: $6,468,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4345: $6,469,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4346: $6,470,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4347: $6,471,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4348: $6,472,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4349: $6,473,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4350: $6,474,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

4351: $6,475,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4352: $6,476,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4353: $6,477,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4354: $6,478,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4355: $6,479,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4356: $6,480,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4357: $6,481,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4358: $6,482,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4359: $6,483,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4360: $6,484,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4361: $6,485,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4362: $6,486,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
4363: $6,487,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4364: $6,488,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4365: $6,489,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4366: $6,490,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4367: $6,491,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4368: $6,492,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4369: $6,493,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4370: $6,494,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4371: $6,495,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4372: $6,496,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4373: $6,497,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4374: $6,498,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4375: $6,499,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4376: $6,500,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4377: $6,501,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4378: $6,502,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
4379: $6,503,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4380: $6,504,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4381: $6,505,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4382: $6,506,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
4383: $6,507,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4384: $6,508,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4385: $6,509,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4386: $6,510,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4387: $6,511,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4388: $6,512,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4389: $6,513,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4390: $6,514,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, \theta, 0,0,0, \theta, \theta, " "$
4391: $6,515,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4392: $6,516,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4393: $6,517,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4394: $6,518,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4395: $6,519,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4396: $6,520,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4397: $6,521,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4398: $6,522,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4399: $6,523,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4400: $6,524,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4401: $6,525,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, " "$
4402: $6,526,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4403: $6,527,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4404: $6,528,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4405: $6,529,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4406: $6,530,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4407: $6,531,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4408: $6,532,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4409: $6,533,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4410: $6,534,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4411: $6,535,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4412: $6,536,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4413: $6,537,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
4414: $6,538,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

4415: $6,539,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4416: $6,540,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4417: $6,541,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4418: $6,542,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4419: $6,543,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4420: $6,544,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4421: $6,545,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4422: $6,546,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4423: $6,547,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4424: $6,548,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4425: $6,549,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4426: $6,550,0,0,0,0,0, \theta, \theta, 0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
4427: $6,551,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4428: $6,552,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4429: $6,553,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
4430: $6,554,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4431: $6,555,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4432: $6,556,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4433: $6,557,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4434: $6,558,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4435: $6,559,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
4436: $6,560,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
4437: $6,561,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4438: $6,562,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4439: $6,563,0,0,0,0,0, \theta, 0,0, \theta, 0,0,0, \theta, 0,0,0,0, \theta, 0, " "$
4440: $6,564,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4441: $6,565,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4442: $6,566,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4443: $6,567,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4444: $6,568,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4445: $6,569,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4446: $6,570,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4447: $6,571,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4448: $6,572,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4449: $6,573,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4450: $6,574,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4451: $6,575,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4452: $6,576,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4453: $6,577,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4454: $6,578,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4455: $6,579,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4456: $6,580,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4457: $6,581,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4458: $6,582,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4459: $6,583,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4460: $6,584,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4461: $6,585,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4462: $6,586,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4463: $6,587,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4464: $6,588,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4465: $6,589,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4466: $6,590,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4467: $6,591,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4468: $6,592,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4469: $6,593,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4470: $6,594,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4471: $6,595,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4472: $6,596,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4473: $6,597,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4474: $6,598,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4475: $6,599,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4476: $6,600,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4477: $6,601,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4478: $6,602,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

[^1]4543: $6,667,0,0,0,0,0,0,0, \theta, \theta, 0,0,0,0,0, \theta, 0,0, \theta, 0, " "$
4544: $6,668,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4545: $6,669,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4546: $6,670,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4547: $6,671,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4548: $6,672,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4549: $6,673,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4550: $6,674,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
4551: $6,675,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4552: $6,676,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4553: $6,677,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4554: $6,678,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
4555: $6,679,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4556: $6,680,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
4557: $6,681,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, " "$
4558: $6,682,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4559: $6,683,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
4560: $6,684,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4561: $6,685,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4562: $6,686,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4563: $6,687,0,0,0,0,0, \theta, 0,0, \theta, 0,0,0,0,0,0,0,0, \theta, 0, " "$
4564: $6,688,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4565: $6,689,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4566: $6,690,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4567: $6,691,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4568: $6,692,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4569: $6,693,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
4570: $6,694,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4571: $6,695,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4572: $6,696,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4573: $6,697,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4574: $6,698,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
4575: $6,699,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4576: $6,700,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4577: $6,701,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4578: $6,702,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4579: $6,703,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4580: $6,704,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4581: $6,705,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4582: $6,706,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4583: $6,707,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4584: $6,708,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4585: $6,709,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4586: $6,710,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4587: $6,711,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4588: $6,712,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4589: $6,713,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4590: $6,714,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4591: $6,715,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4592: $6,716,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4593: $6,717,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4594: $6,718,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4595: $6,719,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4596: $6,720,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4597: 7, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4598: 7, $1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4599: 7, $2, \theta, 0, \theta, 0,0, \theta, 0,0,0,0,0,0, \theta, \theta, 0,0,0,0,0, " "$
4600: 7, $3,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4601: $7,4,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4602: $7,5,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4603: 7, $6,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4604: 7, 7, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4605: $7,8, \theta, \theta, \theta, 0,0,0,0, \theta, \theta, 0, \theta, 0, \theta, \theta, \theta, 0,0,0, \theta, " "$
4606: 7, $9,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

4607: 7, 10, $0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,{ }^{\prime}$
4608: 7, 11, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4609: $7,12,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$,
4610: $7,13,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, "$
4611: 7, 14, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$,
4612: $7,15,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4613: 7, 16, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4614: 7, 17, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4615: 7, 18, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$,
4616: 7, 19, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4617: 7, 20, $0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0, " "$
4618: 7, 21, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4619: 7, 22, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4620: 7, 23, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, "$
4621: 7, 24, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4622: 7, 25, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4623: 7, 26, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,{ }^{\prime}$
4624: 7, 27, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4625: 7, 28, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4626: 7, 29, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4627: 7, 30, $0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0, \theta, 0,0,0,0$,
4628: 7, 31, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
4629: 7, 32, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4630: 7, 33, $0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0$,
4631: 7, 34, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4632: 7, $35,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4633: 7, $36,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4634: 7, $37,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
4635: 7, 38, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4636: 7, 39, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, "$
4637: 7, 40, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4638: 7, 41, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4639: 7, 42, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4640: 7, 43, $0,0,0, \theta, 0,0, \theta, 0,0, \theta, 0,0,0, \theta, \theta, 0,0,0, \theta, " '$
4641: $7,44,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4642: 7, 45, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4643: 7, 46, $0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
4644: 7, 47, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4645: 7, 48, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4646: 7, 49, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4647: 7, $50,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4648: 7, $51,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4649: 7, $52,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, "$
4650: 7, $53,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4651: 7, $54,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4652: 7, 55, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4653: 7, $56,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
4654: 7, $57,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4655: 7, 58, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4656: 7,59, $0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0, " "$
4657: 7, $60,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4658: 7, 61, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4659: 7, $62,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4660: 7, $63,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4661: 7, 64, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4662: 7, $65,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4663: 7, $66,0,0,0, \theta, 0,0, \theta, 0,0,0,0,0,0, \theta, \theta, 0,0,0,0, " "$
4664: 7, $67,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4665: 7, $68,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4666: 7, $69,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4667: 7, 70, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4668: 7, 71, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4669: 7, $72,0,0,0,0, \theta, 0, \theta, \theta, 0,0,0, \theta, \theta, 0, \theta, 0,0,0, \theta, " "$
4670: $7,73,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

4671: 7, 74, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4672: 7, 75, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4673: 7, 76, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$,
4674: $7,77,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, '$
4675: 7, 78, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$,
4676: 7, 79, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
4677: 7, $80,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4678: 7, $81,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4679: 7, $82,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,{ }^{\prime}$
4680: 7, $83,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4681: 7, $84,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
4682: 7, $85,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4683: 7, $86,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4684: 7, $87,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4685: 7, $88,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4686: 7, $89,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4687: 7, $90,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4688: 7, $91,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4689: 7, $92,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4690: 7, $93,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4691: 7, $94,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
4692: 7, $95,0,0,0,0,0,0,0, \theta, 0,0,0,0, \theta, \theta, 0,0,0,0,0, " "$
4693: 7, $96,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4694: 7, $97,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4695: 7, $98,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4696: 7, $99,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4697: 7, $100,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4698: 7, 101, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4699: 7, 102, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4700: $7,103,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4701: 7, 104, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4702: 7, 105, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4703: 7, 106, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4704: 7, 107, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4705: 7, 108, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4706: 7, 109, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4707: 7, 110, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4708: 7, 111, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4709: 7, 112, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4710: 7, 113, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4711: 7, 114, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4712: 7, 115, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4713: 7, 116, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4714: 7, 117, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4715: 7, 118, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4716: 7, 119, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4717: 7, 120, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4718: 7, 121, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4719: 7, 122, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, ""
4720: 7, 123, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4721: 7, 124, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4722: 7, 125, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,""
4723: 7, 126, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4724: 7, 127, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4725: 7, 128, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4726: 7, 129, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4727: 7, 130, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4728: 7, 131, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4729: 7, 132, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4730: 7, 133, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4731: 7, 134, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4732: 7, 135, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, ""
4733: 7,136, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4734: 7, 137, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

4735: 7, 138, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4736: 7, 139, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4737: 7, 140, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4738: 7, 141, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4739: 7, 142, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4740: 7, 143, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4741: 7, 144, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4742: $7,145,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4743: 7, 146, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4744: 7, 147, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, ""
4745: 7, 148, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4746: 7, 149, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4747: 7, 150, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4748: 7, 151, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4749: 7, 152, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4750: 7, 153, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4751: $7,154,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4752: 7, 155, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4753: 7, 156, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4754: 7, 157, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4755: 7, 158, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4756: 7, 159, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4757: 7, 160, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4758: 7, 161, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4759: 7, 162, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,""
4760: 7, 163, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4761: $7,164,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4762: 7, $165,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4763: 7, 166, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4764: 7, $167,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4765: 7, 168, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4766: 7, 169, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4767: 7, 170, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4768: 7, 171, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4769: 7, 172, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4770: 7, 173, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4771: 7, 174, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4772: 7, 175, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4773: 7, 176, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4774: 7, 177, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4775: 7, 178, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4776: 7, 179, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4777: 7, 180, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4778: 7, 181, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4779: 7, 182, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4780: 7, 183, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4781: 7, 184, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4782: 7, 185, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4783: 7, 186, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4784: 7, 187, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4785: 7, 188, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4786: 7, 189, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4787: 7, 190, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4788: 7, 191, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4789: 7, 192, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4790: 7, 193, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4791: 7, 194, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4792: 7, 195, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4793: 7, 196, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4794: 7, 197, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4795: 7, 198, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4796: 7, 199, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4797: 7, 200, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4798: 7, 201, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

4799: 7, 202, $0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
4800: 7, 203, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4801: 7, 204, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4802: 7, 205, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4803: 7, 206, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4804: 7, 207, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4805: 7, 208, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4806: 7, 209, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4807: 7, 210, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4808: 7, 211, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4809: 7, 212, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4810: 7, 213, $0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
4811: 7, 214, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4812: 7, 215, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4813: 7, 216, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4814: 7, 217, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4815: 7, 218, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4816: 7, 219, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4817: 7, 220, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4818: 7, 221, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4819: 7, 222, $0,0,0,0,0, \theta, 0,0,0,0,0,0,0, \theta, 0,0,0,0,0, " "$
4820: 7, 223, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4821: 7, 224, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4822: 7, 225, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4823: 7, 226, $0,0,0,0,0, \theta, \theta, 0,0,0, \theta, \theta, 0,0,0,0,0, \theta, \theta, " "$
4824: 7, 227, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4825: 7, 228, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4826: 7, 229, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4827: 7, 230, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4828: 7, 231, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4829: 7, 232, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4830: 7, 233, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4831: 7, $234,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4832: 7, 235, $0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
4833: 7, 236, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4834: 7, $237,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4835: 7, 238, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4836: 7, 239, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4837: 7, $240,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4838: 7, 241, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4839: 7, 242, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4840: 7, $243,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4841: 7, $244,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4842: 7, 245, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4843: 7, $246,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4844: 7, $247,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4845: 7, 248, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4846: 7, 249, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4847: 7, 250, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4848: 7, 251, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4849: 7, $252,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4850: 7, 253, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4851: 7, $254,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4852: 7, 255, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4853: 7, 256, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4854: 7, 257, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4855: 7, 258, $0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
4856: 7, 259, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4857: 7, 260, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4858: 7, $261,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4859: 7, $262,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4860: 7, $263,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4861: 7, $264,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
4862: 7, $265,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

4863 :
4864:
. $267, \theta, \theta, \theta, \theta, \theta, \theta, 0, \theta, \theta, \theta, 0,0,0,0, \theta, \theta, 0,0,0, \cdots$
4865: 7, $268,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4866: 7, 269, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4867: 7, 270, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4868: 7, 271, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4869: 7, $272,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4870: 7, 273, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4871: 7, 274, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4872: 7, 275, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4873: 7, 276, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4874: 7, 277, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4875: 7, 278, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4876: 7, 279, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4877: 7, 280, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4878: 7, 281, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4879: 7, $282,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4880: 7, 283, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4881: 7, $284,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4882: 7, $285,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4883: 7, 286, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
4884: 7, $287,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4885: 7, 288, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, ""
4886: 7, 289, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4887: 7, 290, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4888: 7, 291, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4889: 7, 292, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4890: 7, 293, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4891: 7, $294,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4892: 7, 295, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4893: 7, 296, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4894: 7, 297, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4895: 7, 298, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4896: 7, 299, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4897: 7, $300,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4898: 7, $301,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4899: 7, $302,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4900: 7, $303,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4901: 7, 304, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4902: 7, $305,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4903: 7, $306,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4904: 7, $307,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4905: 7, $308,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4906: 7, $309,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4907: 7, $310,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4908: 7, 311, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4909: 7, $312,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4910: 7, 313, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4911: 7, $314,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4912: 7, $315,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4913: 7, 316, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4914: 7, 317, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4915: 7, $318,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4916: 7, 319, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4917: 7, $320,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4918: 7, $321,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4919: 7, 322, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
4920: 7, 323, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4921: 7, $324,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4922: 7, 325, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4923: 7, 326, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4924: 7, 327, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4925: 7, 328, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4926: 7, 329, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

4927: 7, $330,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4928: 7, $331,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4929: 7, $332,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4930: 7, 333, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4931: 7, 334, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4932: 7, $335,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4933: 7, $336,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4934: 7, $337,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4935: 7, 338, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4936: 7, 339, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4937: 7, 340, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4938: 7, 341, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4939: 7, $342,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4940: 7, $343,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4941: 7, $344,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4942: 7, $345,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4943: 7, $346,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4944: 7, $347,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4945: 7, $348,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4946: 7, $349,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4947: 7, 350, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4948: 7, 351, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4949: 7, $352,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4950: 7, 353, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4951: 7, $354,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4952: 7, $355,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4953: 7, $356,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4954: 7, $357,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4955: 7, $358,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4956: 7, 359, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4957: 7, $360,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4958: 7, 361, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4959: 7, $362,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4960: 7, $363,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
4961: 7, $364,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4962: 7, $365,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4963: 7, $366,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4964: 7, $367,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4965: 7, $368,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4966: 7, $369,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4967: 7, $370,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4968: 7, 371, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4969: 7, $372,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4970: $7,373,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4971: 7, $374,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4972: 7, $375,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4973: 7, $376,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4974: 7, $377,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4975: 7, $378,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4976: 7, $379,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4977: 7, $380,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4978: 7, 381, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4979: 7, $382,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4980: 7, 383, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4981: 7, $384,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4982: 7, $385,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4983: 7, $386,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4984: 7, $387,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4985: 7, $388,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4986: 7, 389, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4987: 7, $390,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4988: 7, 391, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4989: 7, $392,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4990: 7, 393, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

4991: 7, $394,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4992: 7, 395, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4993: 7, $396,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4994: 7, $397,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4995: 7, 398, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4996: 7, $399,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4997: 7, 400, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4998: 7, 401, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
4999: 7, 402, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5000: 7, 403, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5001: 7, 404, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5002: 7, $405,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5003: 7, 406, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5004: 7, 407, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5005: 7, 408, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5006: 7, 409, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5007: 7, 410, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5008: 7,411, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5009: 7, 412, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, ""
5010: 7, 413, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5011: 7, 414, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5012: 7, 415, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5013: 7, 416, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5014: 7, 417, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5015: 7, 418, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5016: 7, 419, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5017: 7, 420, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5018: 7,421, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5019: 7, 422, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5020: 7, 423, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5021: 7, 424, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5022: 7, 425, $0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, " "$
5023: 7, 426, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5024: 7, 427, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5025: 7, 428, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5026: 7, 429, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, $0, " "$
5027: 7, 430, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5028: 7, 431, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5029: 7, 432, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5030: 7, 433, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5031: 7, 434, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5032: 7, 435, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,""
5033: 7, 436, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5034: 7, 437, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5035: 7, 438, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5036: 7, 439, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5037: 7,440, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5038: 7, 441, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5039: 7, 442, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5040: 7, 443, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5041: 7, 444, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5042: 7, 445, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,""
5043: 7, 446, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5044: 7, 447, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5045: 7, 448, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5046: 7, 449, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5047: 7, 450, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5048: 7, 451, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5049: 7, 452, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5050: 7, 453, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5051: 7, 454, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5052: 7, 455, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,,$\cdots "$
5053: 7,456, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5054: 7, 457, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

5055: 7, 458, $0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
5056: 7, 459, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5057: 7, 460, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5058: 7, 461, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5059: 7, 462, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5060: 7, 463, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5061: 7, 464, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5062: 7, 465, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5063: 7,466, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5064: 7, 467, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5065: 7, 468, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5066: 7, 469, $0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
5067: 7, 470, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, ""
5068: 7, 471, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5069: 7,472, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5070: 7, 473, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5071: 7, 474, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5072: 7,475, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5073: 7, 476, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5074: 7, 477, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5075: 7,478, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5076: 7,479, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5077: 7, 480, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, $0, " "$
5078: 7, 481, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5079: 7, 482, $0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
5080: 7, 483, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5081: 7, 484, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5082: 7, 485, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5083: 7, 486, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5084: 7, 487, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5085: 7, 488, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5086: 7, 489, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5087: 7, 490, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5088: 7, 491, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5089: 7, 492, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5090: 7, 493, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5091: 7, 494, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5092: 7, 495, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5093: 7, 496, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5094: 7, 497, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5095: 7, 498, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5096: 7, 499, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5097: 7, $500,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5098: 7, $501,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5099: 7, $502,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5100: 7, $503,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5101: 7, $504,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5102: 7, 505, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5103: 7, $506,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5104: 7, $507,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5105: 7, $508,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5106: 7, $509,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5107: 7, $510,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5108: 7, $511,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5109: 7, 512, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5110: 7, $513,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5111: 7, $514,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
5112: 7, $515,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5113: 7, $516,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5114: 7, $517,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5115: 7, $518,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5116: 7, $519,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5117: 7, $520,0,0,0,0,0,0, \theta, 0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
5118: 7,521, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,""

5119: 7, $522,0,0,0,0,0, \theta, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
5120: 7, $523,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5121: 7, $524,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5122: 7, 525, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5123: 7, $526,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5124: 7, $527,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5125: 7, $528,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5126: 7, $529,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5127: 7, $530,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5128: 7, $531,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5129: 7, $532,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5130: 7, 533, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5131: 7, $534,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5132: 7,535, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5133: 7, $536,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5134: 7, 537, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5135: 7, 538, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5136: 7,539, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5137: 7, 540, 0, 0, 0, 0, 0, 0, 0, 0, $0,0,0,0,0,0,0,0,0,0,0, " "$
5138: 7, 541, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5139: 7, 542, $0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
5140: 7, $543,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5141: 7, $544,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5142: 7, $545,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5143: 7,546, $0,0,0,0,0,0, \theta, 0,0,0, \theta, \theta, 0,0,0,0,0, \theta, 0, " "$
5144: 7, $547,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5145: 7, $548,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
5146: 7,549, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5147: 7, $550,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5148: 7,551, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5149: 7,552, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5150: 7, $553,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5151: 7, 554, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5152: 7, $555,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5153: 7,556, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

5155: 7,558, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5156: 7,559, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5157: 7, $560,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5158: 7, 561, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5159: 7, $562,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5160: 7, $563,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5161: 7, $564,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5162: 7, $565,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5163: 7, $566,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5164: 7, $567,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5165: 7, $568,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5166: 7, $569,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5167: 7, $570,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5168: 7, $571,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5169: 7, $572,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
5170: 7, $573,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5171: 7, $574,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5172: 7,575, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5173: 7, $576,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5174: 7, $577,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5175: 7, $578,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
5176: 7, $579,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5177: 7, $580,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5178: 7, $581,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5179: 7, $582,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5180: 7, $583,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5181: 7, $584,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5182: 7, 585, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,""

5183: 7, $586,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5184: 7, $587,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5185: 7, $588,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5186: 7, 589, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5187: 7, $590,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5188: 7, 591, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5189: 7, $592,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5190: 7, $593,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5191: 7, 594, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5192: 7, $595,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5193: 7, $596,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5194: 7, $597,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
5195: 7, $598,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5196: 7, $599,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5197: 7, $600,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5198: 7, 601, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5199: 7, $602,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5200: 7, $603,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5201: 7, $604,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5202: 7, 605, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5203: 7, $606,0,0,0, \theta, 0,0, \theta, 0,0,0,0,0,0, \theta, 0,0,0, \theta, 0, " "$
5204: 7, $607,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5205: 7, $608,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5206: 7, $609,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5207: 7, $610,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5208: 7, 611, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5209: 7, $612,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5210: 7, $613,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5211: 7, $614,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5212: 7, $615,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5213: 7, $616,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5214: 7, $617,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
5215: 7, 618, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5216: 7, $619,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5217: 7, $620,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5218: 7, 621, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5219: 7, $622,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5220: 7, $623,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5221: 7, $624,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5222: 7, $625,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5223: 7, $626,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5224: 7, $627,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5225: 7, $628,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5226: 7, $629,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
5227: 7, $630,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5228: 7, 631, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5229: 7, $632,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5230: 7, 633, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5231: 7, 634, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5232: 7, $635,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5233: 7, $636,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5234: 7, $637,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5235: 7, $638,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5236: 7, $639,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5237: 7, 640, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5238: 7, 641, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5239: 7, $642,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
5240: 7, $643,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5241: 7, $644,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5242: 7, $645,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5243: 7, $646,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5244: 7, 647, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5245: 7, $648,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5246: 7, 649, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

5247: 7, 650, $0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
5248: 7, 651, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5249: 7, 652, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5250: 7, 653, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5251: 7, $654,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5252: 7, $655,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5253: 7, 656, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5254: 7, $657,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5255: 7, 658, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5256: 7, 659, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5257: 7, $660,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
5258: 7, $661,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
5259: 7, $662,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5260: 7, $663,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5261: 7, $664,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5262: 7, $665,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5263: 7, $666,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5264: 7, $667,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5265: 7, 668, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5266: 7, 669, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5267: 7, $670,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5268: 7, $671,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5269: 7, $672,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5270: 7, $673,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5271: 7, $674,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
5272: 7, $675,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5273: 7, $676,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5274: 7, $677,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5275: 7, 678, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5276: 7, $679,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5277: 7, $680,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5278: 7, $681,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5279: 7, 682, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5280: 7, $683,0,0,0,0,0, \theta, \theta, 0,0,0, \theta, \theta, 0,0,0,0,0, \theta, 0, " "$
5281: 7, $684,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5282: 7, 685, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5283: 7, $686,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5284: 7, $687,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5285: 7, 688, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5286: 7, $689,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, \theta, 0,0,0, \theta, \theta, " "$
5287: 7, $690,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5288: 7, 691, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5289: 7, $692,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5290: 7, $693,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5291: 7, 694, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5292: 7, $695,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5293: 7, $696,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5294: 7, $697,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5295: 7, 698, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5296: 7, 699, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5297: 7, $700,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5298: 7, 701, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5299: 7, 702, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5300: 7, 703, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5301: 7, 704, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5302: 7, 705, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5303: 7, 706, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5304: 7, 707, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5305: 7, 708, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5306: 7, 709, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5307: 7, 710, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5308: 7, 711, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5309: 7, 712, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5310: $7,713,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

5311: 7, 714, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5312: 7, 715, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5313: 7, 716, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5314: 7, 717, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5315: 7, 718, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5316: 7, 719, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5317: 7, 720, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5318: $8,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5319: $8,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5320: $8,2,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5321: $8,3,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5322: $8,4,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5323: $8,5,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5324: $8,6,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5325: $8,7,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, " "$
5326: $8,8,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5327: 8, $9,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5328: $8,10,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5329: $8,11,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5330: $8,12,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5331: $8,13,0,0,0,0,0,0,0,0,0, \theta, 0,0, \theta, 0,0,0,0,0,0, " "$
5332: $8,14,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5333: $8,15,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5334: $8,16,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5335: $8,17,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5336: $8,18,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5337: $8,19,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5338: $8,2 \theta, 0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0, \theta, 0,0,0,0, " "$
5339: $8,21,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5340: $8,22,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, "$
5341: $8,23,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5342: $8,24,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, " "$
5343: 8, 25, 0, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5344: $8,26,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0, " "$
5345: 8, 27, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5346: $8,28,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5347: $8,29,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
5348: $8,30,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5349: $8,31,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5350: $8,32,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
5351: $8,33,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5352: $8,34,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5353: $8,35,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, "$
5354: $8,36,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5355: $8,37,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5356: $8,38,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5357: $8,39,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5358: $8,40,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0, \theta, 0, " "$
5359: $8,41,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5360: $8,42,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5361: $8,43,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0, " "$
5362: $8,44,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5363: $8,45,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5364: $8,46,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5365: $8,47,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5366: $8,48,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5367: $8,49,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
5368: $8,50,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5369: $8,51,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5370: $8,52,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
5371: $8,53,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0, " "$
5372: $8,54,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5373: $8,55,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5374: 8, $56,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

5375: $8,57,0,0,0,0,0,0, \theta, \theta, 0,0,0,0, \theta, \theta, \theta, 0,0, \theta, \theta, " "$
5376: $8,58,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " '$
5377: 8, 59, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$,
5378: $8,60,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, "$
$5379: 8,61,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,{ }^{\prime}$
5380: $8,62,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5381: $8,63,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5382: $8,64,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5383: $8,65,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0, " "$
5384: $8,66,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5385: 8, $67,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, \theta, 0,0,0,0, " "$
5386: $8,68,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5387: $8,69,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5388: $8,70,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, "$
5389: $8,71,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5390: $8,72,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5391: $8,73,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, "$
5392: $8,74,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5393: 8, $75,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5394: $8,76,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5395: $8,77,0,0,0,0,0,0,0,0,0, \theta, 0,0, \theta, 0,0,0,0,0,0, " "$
5396: $8,78,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5397: $8,79,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5398: $8,80,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5399: $8,81,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5400: $8,82,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5401: $8,83, \theta, 0,0,0,0,0,0,0,0, \theta, 0,0, \theta, 0, \theta, 0,0, \theta, 0, " "$
5402: $8,84,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0, " "$
5403: $8,85,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5404: $8,86,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5405: $8,87,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5406: $8,88,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5407: $8,89,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5408: $8,90,0,0,0,0, \theta, 0, \theta, \theta, 0, \theta, 0, \theta, \theta, 0,0,0, \theta, \theta, 0, " "$
5409: $8,91,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5410: $8,92,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5411: $8,93, \theta, 0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0, " "$
5412: $8,94,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5413: $8,95,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5414: $8,96, \theta, 0, \theta, 0,0,0, \theta, \theta, 0, \theta, 0,0, \theta, \theta, \theta, 0,0, \theta, 0, " "$
5415: $8,97,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5416: $8,98,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5417: $8,99,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5418: $8,100,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5419: $8,101,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5420: $8,102,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5421: $8,103,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5422: $8,104,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5423: $8,105,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5424: $8,106,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5425: $8,107,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5426: $8,108,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5427: $8,109,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5428: $8,110,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5429: $8,111,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5430: $8,112,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5431: $8,113,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5432: $8,114,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5433: $8,115,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5434: $8,116,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5435: $8,117,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5436: $8,118,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5437: $8,119,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
5438: $8,120,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

5439: $8,121,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5440: $8,122,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5441: $8,123,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5442: $8,124,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5443: $8,125,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5444: $8,126,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5445: $8,127,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5446: $8,128,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5447: $8,129,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5448: $8,130,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5449: $8,131,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5450: $8,132,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5451: $8,133,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5452: $8,134,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5453: 8, 135, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5454: $8,136,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5455: $8,137,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5456: $8,138,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5457: 8, 139, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5458: $8,140,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5459: $8,141,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5460: $8,142,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5461: $8,143,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5462: $8,144,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5463: $8,145,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5464: $8,146,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5465: $8,147,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5466: $8,148,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5467: $8,149,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5468: $8,150,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5469: $8,151,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5470: $8,152,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5471: $8,153,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5472: $8,154,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5473: $8,155,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5474: $8,156,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5475: $8,157,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5476: $8,158,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5477: $8,159,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5478: $8,160,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5479: $8,161,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5480: $8,162,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5481: $8,163,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5482: $8,164,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5483: $8,165,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5484: $8,166,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5485: 8, 167, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5486: $8,168,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5487: $8,169,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5488: $8,170,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5489: $8,171,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5490: $8,172,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5491: $8,173,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5492: $8,174,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5493: $8,175,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5494: $8,176,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5495: $8,177,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5496: $8,178,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5497: $8,179,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5498: $8,180,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5499: $8,181,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5500: $8,182,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5501: $8,183,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5502: $8,184,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

5503: $8,185,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
5504: $8,186,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5505: $8,187,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5506: $8,188,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5507: $8,189,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5508: $8,190,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5509: $8,191,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5510: $8,192,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5511: $8,193,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5512: $8,194,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5513: $8,195,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5514: $8,196,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
5515: $8,197,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5516: $8,198,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5517: 8, 199, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5518: $8,200,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5519: $8,201,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5520: $8,202,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5521: $8,203,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5522: $8,204,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5523: $8,205,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
5524: 8, 206, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5525: $8,207,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5526: $8,208,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5527: $8,209,0,0,0,0,0, \theta, \theta, 0,0,0,0, \theta, 0,0,0,0,0, \theta, \theta, " "$
5528: $8,210,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5529: $8,211,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
5530: $8,212,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5531: $8,213,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5532: $8,214,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5533: 8, 215, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5534: $8,216,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
5535: 8, 217, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5536: $8,218,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5537: 8, 219, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5538: $8,220,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5539: 8, 221, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5540: $8,222,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5541: $8,223,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5542: $8,224,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5543: $8,225,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5544: 8, 226, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5545: 8, 227, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5546: $8,228,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5547: $8,229,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5548: $8,230,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5549: 8, 231, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5550: $8,232,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5551: $8,233,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5552: $8,234,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5553: 8, 235, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5554: $8,236,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5555: 8, 237, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5556: $8,238,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5557: 8, 239, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5558: $8,240,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5559: 8, 241, $0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
5560: $8,242,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5561: $8,243,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5562: $8,244,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5563: $8,245,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5564: $8,246,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5565: $8,247,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
5566: $8,248,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

5567: $8,249,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5568: $8,250,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5569: 8, 251, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5570: $8,252,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5571: $8,253,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5572: 8, 254, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5573: $8,255,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5574: 8, 256, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5575: 8, 257, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5576: $8,258,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5577: 8, 259, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5578: $8,260,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
5579: $8,261,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5580: $8,262,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5581: $8,263,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
5582: $8,264,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5583: $8,265,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5584: 8, $266,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5585: 8, 267, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5586: $8,268,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5587: 8, 269, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5588: 8, 270, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5589: 8, $271,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5590: $8,272,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5591: $8,273,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5592: $8,274,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5593: $8,275,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
5594: 8, 276, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5595: $8,277,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5596: $8,278,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5597: $8,279,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5598: $8,280,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5599: $8,281,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5600: $8,282,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5601: $8,283,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5602: $8,284,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5603: $8,285,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5604: $8,286,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5605: $8,287,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5606: $8,288,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
5607: $8,289,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5608: $8,290,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5609: $8,291,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5610: $8,292,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5611: $8,293,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5612: $8,294,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5613: $8,295,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5614: $8,296,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5615: $8,297,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5616: $8,298,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5617: $8,299,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5618: $8,300,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5619: $8,301,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5620: $8,302,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5621: $8,303,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5622: $8,304,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5623: $8,305,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5624: $8,306,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5625: $8,307,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5626: $8,308,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5627: $8,309,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5628: $8,310,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5629: 8, 311, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5630: $8,312,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

5631: $8,313,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5632: $8,314,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5633: $8,315,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5634: $8,316,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5635: 8, 317, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5636: $8,318,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5637: $8,319,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5638: $8,320,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5639: $8,321,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5640: $8,322,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5641: $8,323,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5642: $8,324,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5643: $8,325,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5644: $8,326,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5645: $8,327,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5646: $8,328,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5647: $8,329,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5648: $8,330,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5649: $8,331,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5650: $8,332,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5651: $8,333,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5652: $8,334,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5653: $8,335,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5654: $8,336,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5655: $8,337,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5656: $8,338,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5657: $8,339,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5658: $8,340,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5659: $8,341,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5660: $8,342,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5661: $8,343,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5662: $8,344,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5663: $8,345,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5664: $8,346,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5665: $8,347,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5666: $8,348,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5667: $8,349,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5668: $8,350,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5669: $8,351,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5670: $8,352,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5671: $8,353,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5672: 8, 354, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5673: $8,355,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5674: $8,356,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5675: 8, 357, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5676: $8,358,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5677: 8, 359, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5678: $8,360,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5679: $8,361,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5680: $8,362,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5681: $8,363,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5682: $8,364,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5683: $8,365,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5684: $8,366,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5685: $8,367,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5686: $8,368,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5687: $8,369,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5688: $8,370,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5689: $8,371,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5690: $8,372,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5691: $8,373,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5692: $8,374,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5693: $8,375,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5694: $8,376,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

5695: $8,377,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5696: $8,378,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5697: $8,379,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5698: $8,380,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5699: $8,381,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5700: $8,382,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5701: $8,383,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5702: $8,384,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5703: $8,385,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5704: $8,386,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5705: $8,387,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5706: $8,388,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5707: 8, 389, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5708: $8,390,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5709: $8,391,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5710: $8,392,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5711: $8,393,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5712: $8,394,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5713: $8,395,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5714: $8,396,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5715: $8,397,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5716: $8,398,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5717: $8,399,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5718: $8,400,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5719: $8,401,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5720: $8,402,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5721: $8,403,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5722: $8,404,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5723: $8,405,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5724: $8,406,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5725: 8, 407, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5726: $8,408,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5727: 8, 409, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, ""
5728: $8,410,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5729: $8,411,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5730: $8,412,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5731: $8,413,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5732: 8, 414, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5733: $8,415,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5734: $8,416,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5735: $8,417,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5736: $8,418,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5737: $8,419,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5738: $8,420,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5739: $8,421,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5740: $8,422,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5741: $8,423,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5742: $8,424,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5743: $8,425,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5744: $8,426,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5745: $8,427,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5746: $8,428,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5747: $8,429,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5748: $8,430,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5749: $8,431,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5750: $8,432,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5751: $8,433,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5752: $8,434,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5753: $8,435,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5754: $8,436,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5755: $8,437,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5756: $8,438,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5757: $8,439,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5758: $8,440,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

5759: $8,441,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5760: $8,442,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5761: $8,443,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5762: $8,444,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5763: $8,445,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5764: $8,446,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5765: $8,447,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5766: $8,448,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5767: $8,449,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5768: $8,450,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5769: $8,451,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5770: $8,452,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5771: $8,453,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5772: $8,454,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5773: 8, 455, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5774: $8,456,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5775: $8,457,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5776: $8,458,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5777: $8,459,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5778: $8,460,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5779: 8, 461, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5780: $8,462,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5781: $8,463,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5782: $8,464,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5783: $8,465,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5784: $8,466,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5785: $8,467,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5786: $8,468,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5787: $8,469,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5788: $8,470,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5789: 8, 471, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5790: $8,472,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5791: $8,473,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5792: $8,474,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5793: $8,475,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5794: $8,476,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5795: $8,477,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5796: $8,478,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5797: $8,479,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5798: $8,480,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5799: $8,481,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5800: $8,482,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5801: $8,483,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5802: $8,484,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5803: $8,485,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5804: $8,486,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5805: $8,487,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5806: $8,488,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5807: $8,489,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5808: $8,490,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5809: $8,491,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5810: $8,492,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5811: $8,493,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5812: $8,494,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5813: $8,495,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5814: $8,496,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5815: $8,497,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5816: $8,498,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5817: $8,499,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5818: $8,500,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5819: $8,501,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5820: $8,502,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5821: $8,503,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
5822: $8,504,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

5823: $8,505,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5824: $8,506,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5825: 8, $507,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5826: $8,508,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5827: 8, $509,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
5828: 8, 510, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5829: $8,511,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5830: $8,512,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5831: 8, $513,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5832: $8,514,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5833: $8,515,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5834: $8,516,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5835: $8,517,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5836: 8, $518,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5837: 8, 519, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5838: 8, $520,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5839: 8, $521,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5840: $8,522,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5841: $8,523,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5842: $8,524,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5843: 8, $525,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5844: 8, $526,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5845: $8,527,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5846: $8,528,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5847: 8, $529,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5848: $8,530,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5849: $8,531,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5850: $8,532,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5851: $8,533,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5852: $8,534,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5853: 8, $535,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5854: 8, $536,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5855: 8, 537, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5856: $8,538,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5857: 8, 539, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5858: $8,540,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5859: 8, 541, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5860: $8,542,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5861: $8,543,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5862: $8,544,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5863: $8,545,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5864: 8, 546, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5865: 8, 547, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5866: $8,548,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5867: 8, 549, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5868: $8,550,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5869: 8, 551, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5870: 8,552, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5871: $8,553,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5872: 8, 554, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5873: 8, $555,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5874: $8,556,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5875: 8, 557, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5876: 8,558, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5877: 8,559, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5878: $8,560,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5879: 8, $561,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5880: 8, $562,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5881: $8,563,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5882: 8, $564,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5883: 8, $565,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5884: $8,566,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5885: 8, $567,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
5886: 8,568, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

5887: $8,569,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5888: 8, $570,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5889: $8,571,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5890: $8,572,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5891: $8,573,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5892: $8,574,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5893: $8,575,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5894: $8,576,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5895: 8, $577,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5896: $8,578,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5897: 8, $579,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5898: $8,580,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5899: $8,581,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5900: $8,582,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5901: $8,583,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5902: $8,584,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5903: $8,585,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5904: $8,586,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5905: 8, $587,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5906: $8,588,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5907: $8,589,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5908: $8,590,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5909: $8,591,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5910: $8,592,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5911: $8,593,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5912: $8,594,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5913: $8,595,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
5914: 8, $596,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5915: 8, 597, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5916: $8,598,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5917: $8,599,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5918: $8,600,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
5919: $8,601,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5920: $8,602,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5921: $8,603,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5922: $8,604,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5923: $8,605,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5924: 8, $606,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5925: $8,607,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5926: $8,608,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, \theta, 0,0,0, \theta, \theta, " "$
5927: 8, $609,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5928: 8, $610,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5929: $8,611,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5930: $8,612,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5931: $8,613,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5932: $8,614,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5933: $8,615,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5934: $8,616,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5935: $8,617,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5936: $8,618,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5937: 8, 619, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5938: $8,620,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5939: $8,621,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5940: 8, $622,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5941: $8,623,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5942: $8,624,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5943: $8,625,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5944: $8,626,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5945: 8, $627,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5946: $8,628,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5947: $8,629,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5948: $8,630,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5949: $8,631,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5950: $8,632,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

5951: $8,633,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
5952: $8,634,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5953: 8, 635, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5954: $8,636,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5955: 8, $637,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
5956: $8,638,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5957: $8,639,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5958: $8,640,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5959: 8, $641,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5960: $8,642,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5961: $8,643,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5962: 8, $644,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5963: 8, $645,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5964: $8,646,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5965: 8, $647,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5966: 8, 648, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5967: $8,649,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5968: $8,650,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5969: 8, 651, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5970: $8,652,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5971: $8,653,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5972: 8, 654, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5973: $8,655,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5974: $8,656,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5975: 8, 657, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5976: $8,658,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5977: $8,659,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
5978: $8,660,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5979: 8, 661, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5980: $8,662,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5981: $8,663,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5982: 8, 664, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5983: $8,665,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5984: $8,666,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5985: 8, $667,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5986: $8,668,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5987: $8,669,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5988: $8,670,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5989: $8,671,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5990: $8,672,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5991: $8,673,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5992: 8, 674, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5993: $8,675,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5994: $8,676,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5995: $8,677,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5996: $8,678,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5997: 8, $679,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5998: $8,680,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
5999: $8,681,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
6000: $8,682,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
6001: $8,683,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
6002: $8,684,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
6003: $8,685,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
6004: 8, 686, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
6005: 8, $687,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
6006: $8,688,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
6007: $8,689,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
6008: $8,690,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
6009: $8,691,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
6010: $8,692,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
6011: $8,693,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
6012: $8,694,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
6013: $8,695,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
6014: 8, 696, $0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$


```
PortOfInola_Opt2b_Final_Spring.q2k
```

Spring, Discharge Option 2

6079: "WQ Data Min",0
6080: "WQ Data Max",0
6081: 8
6082: 0
6083:






[^0]:    $\square=-=\square=\square$

[^1]:    4479: $6,603,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
    4480: $6,604,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
    4481: $6,605,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
    4482: $6,606,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
    4483: $6,607,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
    4484: $6,608,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
    4485: $6,609,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
    4486: $6,610,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
    4487: $6,611,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
    4488: $6,612,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
    4489: $6,613,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
    4490: $6,614,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
    4491: $6,615,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
    4492: $6,616,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
    4493: $6,617,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
    4494: $6,618,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
    4495: $6,619,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
    4496: $6,620,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
    4497: $6,621,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
    4498: $6,622,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
    4499: $6,623,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
    4500: $6,624,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
    4501: $6,625,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
    4502: $6,626,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0, " "$
    4503: $6,627,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
    4504: $6,628,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
    4505: $6,629,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
    4506: $6,630,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
    4507: $6,631,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
    4508: $6,632,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
    4509: $6,633,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
    4510: $6,634,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
    4511: $6,635,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
    4512: $6,636,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
    4513: $6,637,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0, " "$
    4514: $6,638,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
    4515: $6,639,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
    4516: $6,640,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
    4517: $6,641,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
    4518: $6,642,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
    4519: $6,643,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
    4520: $6,644,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
    4521: $6,645,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
    4522: $6,646,0,0,0,0,0,0, \theta, 0,0,0,0,0,0,0,0,0,0,0,0, " "$
    4523: $6,647,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
    4524: $6,648,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
    4525: $6,649,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
    4526: $6,650,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
    4527: $6,651,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
    4528: $6,652,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
    4529: $6,653,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
    4530: $6,654,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
    4531: $6,655,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
    4532: $6,656,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
    4533: $6,657,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
    4534: $6,658,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
    4535: $6,659,0,0,0,0,0,0,0,0,0,0,0, \theta, 0,0,0,0,0, \theta, 0, " "$
    4536: $6,660,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
    4537: $6,661,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
    4538: $6,662,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
    4539: $6,663,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
    4540: $6,664,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$
    4541: $6,665,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, \theta, 0, " "$
    4542: $6,666,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, " "$

