

TREDDY 3D MAZE written by Luca Jibo 1991 (Rev 2019)
For OLIVETTI M10 QZERTY/QWERTY
For VirtualT emulator (MAC+WIN own version)
v2019 04 29a Maze Full

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1 GOTO 550
2 RETURN:PRINT@0,"2019 04 29a MAC (Tandy TRS-80 model 100) FINAL
RELEASE":RETURN
3 LINE(111,5)-(127,13),1,B:LINE(121,7)-(124,11),1,B:PSET(123,9):LINE(120,8)-
(120,10):LINE(119,9)-(114,9):LINE(117,8)-(117,10):LINE(115,8)-(115,10):RETURN
4 LINE(111,49)-(127,57),1,B:LINE(114,51)-
(117,55),1,B:PSET(115,53):LINE(118,52)-(118,54):LINE(119,53)-
(124,53):LINE(121,52)-(121,54):LINE(123,52)-(123,54):RETURN
5 A=L(Q+(I*C)+X,Z+(O*C)+Y):X=-X:Y=-Y:RETURN
6 A=L(Q+(I*C),Z+(O*C)):RETURN
7 A=L(R+(W*C)+J,T+(H*C)+K):J=-J:K=-K:RETURN
8 A=L(R+(W*C),T+(H*C)):RETURN
9
FORA=0T0280STEP40:PRINT@A,SPACE$(18);:NEXT:IFL(Q,Z)=3ANDK1=1THENGOSUB97:GOSUB9
5:GOSUB3:L(Q,Z)=1:K1=0
10 C=0:GOSUB5:IFA>0THENLINE(93,5)-(106,5):LINE(93,57)-(106,57)ELSELINE(98,1)-
(92,5):LINE(98,61)-(92,57)
11 GOSUB5:IFA>0THENLINE(0,5)-(13,5):LINE(0,57)-(13,57)ELSELINE(8,1)-
(14,5):LINE(8,61)-(14,57)
12 C=1:GOSUB6:LINE(14,5)-(92,57),1,B:IFA=0THENRETURNELSELINE(15,57)-
(91,57),0:IFA>1THEN30
13 GOSUB5:IFA>0THENLINE(81,13)-(91,13):LINE(81,49)-(91,49)ELSELINE(92,5)-
(80,13):LINE(92,57)-(80,49)
14 GOSUB5:IFA>0THENLINE(15,13)-(25,13):LINE(15,49)-(25,49)ELSELINE(14,5)-
(26,13):LINE(14,57)-(26,49)
15 C=2:GOSUB6:LINE(26,13)-(80,49),1,B:IFA=0THENRETURNELSELINE(27,49)-
(79,49),0:IFA>1THEN33
16 GOSUB5:IFA>0THENLINE(72,19)-(79,19):LINE(72,43)-(79,43)ELSELINE(80,13)-
(71,19):LINE(80,49)-(71,43)
17 GOSUB5:IFA>0THENLINE(27,19)-(34,19):LINE(27,43)-(34,43)ELSELINE(26,13)-
(35,19):LINE(26,49)-(35,43)
18 C=3:GOSUB6:LINE(35,19)-(71,43),1,B:IFA=0THENRETURNELSELINE(36,43)-
(70,43),0:IFA>1THEN36
19 GOSUB5:IFA>0THENLINE(66,23)-(70,23):LINE(66,39)-(70,39)ELSELINE(71,19)-
(65,23):LINE(71,43)-(65,39)
20 GOSUB5:IFA>0THENLINE(36,23)-(40,23):LINE(36,39)-(40,39)ELSELINE(35,19)-
(41,23):LINE(35,43)-(41,39)
21 C=4:GOSUB6:LINE(41,23)-(65,39),1,B:IFA=0THENRETURNELSELINE(42,39)-
(64,39),0:IFA>1THEN39
22 GOSUB5:IFA>0THENLINE(61,26)-(64,26):LINE(61,36)-(64,36)ELSELINE(65,23)-
(59,27):LINE(65,39)-(59,35)
23 GOSUB5:IFA>0THENLINE(42,26)-(45,26):LINE(42,36)-(45,36)ELSELINE(41,23)-
(47,27):LINE(41,39)-(47,35)
24 LINE(47,27)-(59,35),0,B:C=5:GOSUB6:LINE(46,26)-
(60,36),1,B:IFA=0THENRETURNELSELINE(47,36)-(59,36),0:IFA>1THEN42
25 GOSUB5:IFA>0THENLINE(58,28)-(59,28):LINE(58,34)-(59,34)ELSELINE(60,26)-
(56,29):LINE(59,35)-(56,33)
26 GOSUB5:IFA>0THENLINE(47,28)-(48,28):LINE(47,34)-(48,34):ELSELINE(46,26)-
(50,29):LINE(47,35)-(50,33)
27 LINE(50,29)-(56,33),0,B:C=6:GOSUB6:LINE(49,28)-
(57,34),1,B:IFA=0THENRETURNELSELINE(50,34)-(56,34),0:PSET(53,31):IFA>1THEN45
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28 RETURN
30 IFA=2THENLINE(14,57)-(92,57):FORA=14T092STEP6:LINE(A,5)-(A,57):NEXT:RETURN
31 IFA=3THENLINE(43,54)-(63,54)
32 GOT013
33 IFA=2THENLINE(26,49)-(80,49):FORA=26T080STEP3:LINE(A,13)-(A,49):NEXT:RETURN
34 IFA=3THENLINE(47,47)-(59,47)
35 GOT016
36 IFA=2THENLINE(35,43)-(71,43):FORA=35T071STEP2:LINE(A,19)-(A,43):NEXT:RETURN
37 IFA=3THENLINE(50,42)-(56,42)
38 GOT019
39 IFA=2THENLINE(41,39)-(65,39):FORA=41T065STEP2:LINE(A,23)-(A,39):NEXT:RETURN
40 IFA=3THENLINE(52,38)-(54,38)
41 GOT022
42 IFA=2THENLINE(46,26)-(60,36),1,BF:RETURN
43 IFA=3THENPSET(53,35)
44 GOT025
45 IFA=2THENLINE(49,28)-(57,34),1,BF:RETURN
46 GOT028
49
FORA=22T0302STEP40:PRINT@A,SPACE$(17);:NEXT:IFL(R,T)=3ANDK2=1THENGOSUB97:GOSUB
95:GOSUB4:L(R,T)=1:K2=0
50 C=0:GOSUB7:IFA>0THENLINE(225,5)-(238,5):LINE(225,57)-
(238,57)ELSELINE(230,1)-(224,5):LINE(230,61)-(224,57)
51 GOSUB7:IFA>0THENLINE(132,5)-(145,5):LINE(132,57)-(145,57)ELSELINE(140,1)-
(146,5):LINE(140,61)-(146,57)
52 C=1:GOSUB8:LINE(146,5)-(224,57),1,B:IFA=0THENRETURNELSELINE(147,57)-
(223,57),0:IFA>1THEN70
53 GOSUB7:IFA>0THENLINE(213,13)-(223,13):LINE(213,49)-(223,49)ELSELINE(224,5)-
(212,13):LINE(224,57)-(212,49)
54 GOSUB7:IFA>0THENLINE(147,13)-(157,13):LINE(147,49)-(157,49)ELSELINE(146,5)-
(158,13):LINE(146,57)-(158,49)
55 C=2:GOSUB8:LINE(158,13)-(212,49),1,B:IFA=0THENRETURNELSELINE(159,49)-
(211,49),0:IFA>1THEN73
56 GOSUB7:IFA>0THENLINE(204,19)-(211,19):LINE(204,43)-
(211,43)ELSELINE(212,13)-(203,19):LINE(212,49)-(203,43)
57 GOSUB7:IFA>0THENLINE(159,19)-(166,19):LINE(159,43)-
(166,43)ELSELINE(158,13)-(167,19):LINE(158,49)-(167,43)
58 C=3:GOSUB8:LINE(167,19)-(203,43),1,B:IFA=0THENRETURNELSELINE(168,43)-
(202,43),0:IFA>1THEN76
59 GOSUB7:IFA>0THENLINE(198,23)-(202,23):LINE(198,39)-
(202,39)ELSELINE(203,19)-(197,23):LINE(203,43)-(197,39)
60 GOSUB7:IFA>0THENLINE(168,23)-(172,23):LINE(168,39)-
(172,39)ELSELINE(167,19)-(173,23):LINE(167,43)-(173,39)
61 C=4:GOSUB8:LINE(173,23)-(197,39),1,B:IFA=0THENRETURNELSELINE(174,39)-
(196,39),0:IFA>1THEN79
62 GOSUB7:IFA>0THENLINE(193,26)-(196,26):LINE(193,36)-
(196,36)ELSELINE(197,23)-(191,27):LINE(197,39)-(191,35)
63 GOSUB7:IFA>0THENLINE(174,26)-(177,26):LINE(174,36)-
(177,36)ELSELINE(173,23)-(179,27):LINE(173,39)-(179,35)
64 LINE(179,27)-(191,35),0,B:C=5:GOSUB8:LINE(178,26)-
(192,36),1,B:IFA=0THENRETURNELSELINE(179,36)-(191,36),0:IFA>1THEN82
65 GOSUB7:IFA>0THENLINE(190,28)-(191,28):LINE(190,34)-
(191,34)ELSELINE(192,26)-(188,29):LINE(191,35)-(188,33)
66 GOSUB7:IFA>0THENLINE(179,28)-(180,28):LINE(179,34)-
(180,34):ELSELINE(178,26)-(182,29):LINE(179,35)-(182,33)
67 LINE(182,29)-(188,33),0,B:C=6:GOSUB8:LINE(181,28)-
(189,34),1,B:IFA=0THENRETURNELSELINE(182,34)-
(188,34),0:PSET(185,31):IFA>1THEN85

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68 RETURN
70 IFA=2THENLINE(146,57)-(224,57):FORA=146TO224STEP6:LINE(A,5)-(
(A,57):NEXT:RETURN
71 IFA=3THENLINE(175,54)-(195,54)
72 GOT053
73 IFA=2THENLINE(158,49)-(212,49):FORA=158TO212STEP3:LINE(A,13)-(
(A,49):NEXT:RETURN
74 IFA=3THENLINE(179,47)-(191,47)
75 GOT056
76 IFA=2THENLINE(167,43)-(203,43):FORA=167TO203STEP2:LINE(A,19)-(
(A,43):NEXT:RETURN
77 IFA=3THENLINE(182,42)-(188,42)
78 GOT059
79 IFA=2THENLINE(173,39)-(197,39):FORA=173TO197STEP2:LINE(A,23)-(
(A,39):NEXT:RETURN
80 IFA=3THENLINE(184,38)-(186,38)
81 GOT062
82 IFA=2THENLINE(178,26)-(192,36),1,BF:RETURN
83 IFA=3THENPSET(185,35)
84 GOT065
85 IFA=2THENLINE(181,28)-(189,34),1,BF:RETURN
86 GOT068
88 IFINKEY$<>""THEN88ELSERETURN
90 IFINKEY$<>""THEN90
91 R=RND(1):A$=INKEY$:IFA$=""THEN91
92 RETURN
93 IFS0=1THENSOUND14064,9
94 RETURN
95 IFS0=1THENSOUND987,9
96 RETURN
97 IFS0=1THENSOUND1567,5
98 RETURN
99 PRINT@139,MID$(TIME$,4,2):PRINT@179,MID$(TIME$,7,2):RETURN
100 MAXFILES=0:CLEAR:DEFINTA-
Z:DIML(32,32):S0=1:GG=1:LE=1:KY=1:KEY(1)ON:KEY(7)ON:KEY(8)ON:ONKEYGOSUB420,0,0
,0,0,0,500,600
105 CLS:LINE(99,1)-(139,1):LINE(99,61)-(139,61):LINE(98,1)-(
(81,13):LINE(140,1)-(157,13):LINE(98,61)-(81,49):LINE(140,61)-(
(157,49):LINE(14,5)-(92,57),1,B:LINE(15,57)-(91,57),0:LINE(146,5)-(
(224,57),1,B:LINE(147,57)-(223,57),0
106 LINE(26,13)-(80,49),1,B:LINE(27,49)-(79,49),0:LINE(158,13)-(
(212,49),1,B:LINE(159,49)-(211,49),0
107 LINE(159,57)-(211,57),0:LINE(0,5)-(13,5):LINE(225,5)-(238,5):LINE(0,57)-(
(13,57):LINE(225,57)-(238,57):LINE(14,5)-(35,19):LINE(224,5)-(
(203,19):LINE(14,57)-(35,43):LINE(224,57)-(203,43):LINE(35,19)-(71,43),1,B
108 LINE(167,19)-(203,43),1,B:LINE(71,19)-(80,43),1,B:LINE(158,19)-(
(167,43),1,B:PRINT@57,"TREDDY":PRINT@96,"(C)
1991":FORA=167TO203STEP2:LINE(A,19)-(A,43):NEXT:GOSUB135:GOSUB88
109 GOSUB2
110 PRINT@176," BY ":PRINT@217," LUCA ":PRINT@257," JIBO
":GOSUB115:IFA$=""THENPRINT@176,"GRAPHICS":PRINT@217,"JIBO
&":PRINT@257,"ANDREA":GOSUB115:IFA$=""THENPRINT@176,"LABYRINT":GOSUB115:IFA$=""
"THEN110
111 FORA=56TO256STEP40:PRINT@A," ":NEXT:LINE(96,13)-(
(142,13):LINE(96,49)-(
(142,49):PRINT@99,"GO":PRINT@136,"PLAYER":GOSUB131:PRINT@176,"LEVEL":GOSUB133:
PRINT@216,"KEYS":GOSUB134:GOSUB134:A=1:B=1:C=1:GOT0120
115 FORA=0TO100:R=RND(1):A$=INKEY$:IFA$<>""THENA=100

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116 NEXT:RETURN
120 PRINT@40*B+54," ":PRINT@40*B+65,"
":PRINT@40*A+54,"X":PRINT@40*A+65,"X":B=A
121 GOSUB90:IFA$=" "ORA$="y"ORA$="e"ORA$="s"THEN125
122 A=A+1:IFA>4THENA=1
123 GOT0120
125 IFA=1THEN140
126 GOSUB97:IFA=2THENGOSUB130
127 IFA=3THENGOSUB132
128 IFA=4THENGOSUB134
129 GOT0121
130 IFGG=1THENG=2ELSEGG=1
131 PRINT@143,MID$(STR$(GG),2,1):RETURN
132 LE=LE+1:IFLE=4THENLE=1
133 PRINT@182,MID$(STR$(LE),2,1):RETURN
134 IFKY=0THENKY=1:PRINT@221,"YES"ELSEKY=0:PRINT@221,"NO "
135 LINE(47,47)-(59,47),KY:RETURN
140 GOSUB95:PRINT@98,"WAIT":GOSUB900:CLS:GOSUB9:LINE(109,19)-
(129,43),1,B:LINE(111,21)-
(127,41),1,B:PRINT@139,"00":PRINT@179,"00":IFGG=2THENGOSUB49ELSER=0:T=0:M=0
150 FI=0:GOSUB88:TIME$="00:00:00"
200 GOSUB99:A$=INKEY$:IFA$=""THEN209
201 IFA$="w"THEN300
202 IFA$="d"THEN320
203 IFA$="s"THEN330
204 IFA$="a"THEN340
205 IFA$="q"ORA$="e"THENGOSUB95:GOSUB95:GOSUB800
208 IFGG=2ANDB$<>A$THENB$=A$:GOT0211
209 IFGG=1THEN200
210 B$=INKEY$:IFB$=""THEN200
211 IFB$="p"THEN310
212 IFB$="'"THEN325
213 IFB$=";"THEN335
214 IFB$="l"THEN345
215 IFB$="o"ORA$="["THENGOSUB95:GOSUB95:GOSUB850
219 IFA$<>B$THENA$=B$:GOT0201
220 GOT0200
300 IFP=1THENIFL(Q,Z-1)>0THENZ=Z-1ELSEGOSUB93:GOT0209
301 IFP=2THENIFL(Q+1,Z)>0THENQ=Q+1ELSEGOSUB93:GOT0209
302 IFP=3THENIFL(Q,Z+1)>0THENZ=Z+1ELSEGOSUB93:GOT0209
303 IFP=4THENIFL(Q-1,Z)>0THENQ=Q-1ELSEGOSUB93:GOT0209
304
IFL(Q,Z)=2THENIFK1=0THENGOSUB700:FI=1:GOSUB400:GOSUB90:GOT0105ELSEGOSUB93:GOSU
B370:GOT0209
305 GOSUB9:GOT0209
310 IFM=1THENIFL(R,T-1)>0THENT=T-1ELSEGOSUB93:GOT0200
311 IFM=2THENIFL(R+1,T)>0THENR=R+1ELSEGOSUB93:GOT0200
312 IFM=3THENIFL(R,T+1)>0THENT=T+1ELSEGOSUB93:GOT0200
313 IFM=4THENIFL(R-1,T)>0THENR=R-1ELSEGOSUB93:GOT0200
314
IFL(R,T)=2THENIFK2=0THENGOSUB700:FI=1:GOSUB800:GOSUB890:GOSUB990:GOSUB90:GOT01
05ELSEGOSUB93:GOSUB380:GOT0200
315 GOSUB49:GOT0200
320 P=P+1:IFP=5THENP=1
321 GOSUB350:GOSUB9:GOT0209
325 M=M+1:IFM=5THENM=1
326 GOSUB360:GOSUB49:GOT0200
330 IFP=1THENIFL(Q,Z+1)>0THENZ=Z+1ELSEGOSUB93:GOT0209

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331 IFP=2THENIFL(Q-1,Z)>0THENQ=Q-1ELSEGOSUB93:GOTO209
332 IFP=3THENIFL(Q,Z-1)>0THENZ=Z-1ELSEGOSUB93:GOTO209
333 IFP=4THENIFL(Q+1,Z)>0THENQ=Q+1ELSEGOSUB93:GOTO209
334 GOTO304
335 IFM=1THENIFL(R,T+1)>0THENT=T+1ELSEGOSUB93:GOTO200
336 IFM=2THENIFL(R-1,T)>0THENR=R-1ELSEGOSUB93:GOTO200
337 IFM=3THENIFL(R,T-1)>0THENT=T-1ELSEGOSUB93:GOTO200
338 IFM=4THENIFL(R+1,T)>0THENR=R+1ELSEGOSUB93:GOTO200
339 GOTO314
340 P=P-1:IFP=0THENP=4
341 GOSUB350:GOSUB9:GOTO209
345 M=M-1:IFM=0THENM=4
346 GOSUB360:GOSUB49:GOTO200
350 IFP=1THENI=0:O=-1:X=1:Y=0:RETURN
351 IFP=2THENI=1:O=0:X=0:Y=1:RETURN
352 IFP=3THENI=0:O=1:X=-1:Y=0:RETURN
353 IFP=4THENI=-1:O=0:X=0:Y=-1:RETURN
360 IFM=1THENW=0:H=-1:J=1:K=0:RETURN
361 IFM=2THENW=1:H=0:J=0:K=1:RETURN
362 IFM=3THENW=0:H=1:J=-1:K=0:RETURN
363 IFM=4THENW=-1:H=0:J=0:K=-1:RETURN
370 IFP=1THENZ=Z+1:RETURN
371 IFP=2THENQ=Q-1:RETURN
372 IFP=3THENZ=Z-1:RETURN
373 IFP=4THENQ=Q+1:RETURN
380 IFM=1THENT=T+1:RETURN
381 IFM=2THENR=R-1:RETURN
382 IFM=3THENT=T-1:RETURN
383 IFM=4THENR=R+1:RETURN
400 IFGG=2THENGOSUB850:GOSUB840:GOSUB980:RETURN
405 IFLE=1THENGOSUB850ELSEGOSUB990
410 RETURN
420 IFS0=1THENS0=0ELSE S0=1:GOSUB97
421 RETURN
500 GOSUB97:RUN
550 CLS:GOSUB 590:PRINT"TREDDY 3D MAZE written by Luca Jibo
1991":PRINT@48,"Mac VIRTUAL T model TANDY TRS-80":
560 GOSUB591:PRINT@40,"Fits on ":PRINT@61," model ":PRINT@164,"KEYS PLAYER
1":PRINT@183,"KEYS PLAYER 2"
565 PRINT@83,"Simone Riminucci & Luca Jibo 2019"
570 PRINT@204,"DSK0$W  LOADA  CLOSED  OPENS      DSK0$P  LOADL  CLOSE'
OPEN;":PRINT@244,"Q 0 maze 16x16      E { maze
full":PRINT"Sound";SPACE$(26);"Run Menu";:GOSUB88:GOSUB90
580 PRINT@160,SPACE$(119):GOSUB590:PRINT@165," Select Max Speed on Virtual T
":PRINT@205,"MAC only Tandy TRS-80 model 100":GOSUB88:GOSUB90:GOSUB591:GOTO100
590 PRINT CHR$(27)+"p";:RETURN
591 PRINT CHR$(27)+"q";:RETURN
600 MENU
700
IFS0=1THENSOUND1864,22:SOUND1567,55:SOUND1396,20:SOUND1864,55:SOUND2348,20:SOU
ND1864,55:SOUND2092,20:SOUND2348,55
705 RETURN
800 IFFI=0THENPRINT@139,"LOADLOAD":PRINT@179,"LOADLOAD"
805 GOSUB840:IFA$="e"THEN980
810 P1=Q-8:P2=Z-8:IFQ-8<1THENP1=1:GOTO815
812 IFQ+7>LBTHENP1=LB-15
815 IFZ-8<1THENP2=1:GOTO820
817 IFZ+7>LBTHENP2=LB-15

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820 D=0:FORB=P2TOP2+15:C=0:FORA=P1TOP1+15:IFL(A,B)=0THENLINE(C*4+21,D*4)-(
(C*4+24,D*4+3),1,BF:GOTO835
825 IFL(A,B)=3THENLINE(C*4+23,D*4+1)-(C*4+22,D*4+2)
830 IFA=QANDB=ZTHENLINE(C*4+22,D*4+1)-(C*4+23,D*4+2),1,B
835 C=C+1:NEXT:D=D+1:NEXT:IFP=1THENA$="DSK0$"
836 IFP=2THENA$="CLOSE"
837 IFP=3THENA$="OPEN"
838 IFP=4THENA$="LOAD"
839 PRINT@241,A$:GOSUB88:RETURN
840 LINE(21,0)-(23,63),0,BF:LINE(84,0)-
(84,63),0:FORA=0T07:PRINT@40*A+4,SPACE$(10);:NEXT:RETURN
850 IFFI=0THENPRINT@139,"CLOSECLOSE":PRINT@179,"CLOSECLOSE"
855 GOSUB890:IFA$="["THEN990
860 P1=R-8:P2=T-8:IFR-8<1THENP1=1:GOTO865
862 IFR+7>LBTHENP1=LB-15
865 IFT-8<1THENP2=1:GOTO870
867 IFT+7>LBTHENP2=LB-15
870 D=0:FORB=P2TOP2+15:C=0:FORA=P1TOP1+15:IFL(A,B)=0THENLINE(C*4+153,D*4)-
(C*4+156,D*4+3),1,BF:GOTO885
875 IFL(A,B)=3THENLINE(C*4+154,D*4+1)-(C*4+155,D*4+2)
880 IFA=RANDB=TTHENLINE(C*4+154,D*4+1)-(C*4+155,D*4+2),1,B
885 C=C+1:NEXT:D=D+1:NEXT:A$="":IFM=1THENA$="DSK0$"
886 IFM=2THENA$="CLOSE"
887 IFM=3THENA$="OPEN"
888 IFM=4THENA$="LOAD"
889 PRINT@278,A$:GOSUB88:RETURN
890 LINE(153,0)-(155,63),0,BF:LINE(216,0)-
(216,63),0:FORA=0T07:PRINT@40*A+26,SPACE$(10);:NEXT:RETURN
900 R=RND(1)*4+(4*LE-
3):ONRGOSUB1000,1100,1200,1300,1400,1500,1600,1700,1800,1900,2000,2100
905 R=RND(1)*2:IFR=0THENC=1:D=LB:E=1ELSEC=LB:D=1:E=-1
910 R=RND(1)*2:IFR=0THENF=1:H=LB:I=1ELSEF=LB:H=1:I=-1
915 R=RND(1)*2:FORB=CTODSTEPE:FORA=FTOHSTEPI:IFR=0THENREADL(A,B)ELSEREADL(B,A)
920 NEXT:NEXT:R=RND(1)*4+1:P=R:GOSUB350
925 A=RND(1)*LB+1:IFR=1THENIFL(A,2)=1THENL(A,1)=2ELSEGOTO925
926 IFR=2THENIFL(LB-1,A)=1THENL(LB,A)=2ELSEGOTO925
927 IFR=3THENIFL(A,LB-1)=1THENL(A,LB)=2ELSEGOTO925
928 IFR=4THENIFL(2,A)=1THENL(1,A)=2ELSEGOTO925
930 A=RND(1)*LB+1:IFR=1THENIFL(A,LB-1)=1THENQ=A:Z=LB-1ELSEGOTO930
931 IFR=2THENIFL(2,A)=1THENQ=2:Z=AELSEGOTO930
932 IFR=3THENIFL(A,2)=1THENQ=A:Z=2ELSEGOTO930
934 IFR=4THENIFL(LB-1,A)=1THENQ=LB-1:Z=AELSEGOTO930
935 IFGG=2THENR=Q:T=Z:M=P:GOSUB360
936 K1=KY:K2=KY:IFKY=0THENRETURN
937 GOSUB940:IFGG=2THENGOSUB940
938 RETURN
940 FORC=1TOLE*2
941 A=RND(1)*LB+1:B=RND(1)*LB+1:IFL(A,B)<>1THEN941
943 IFA=QANDB=ZTHEN941ELSEL(A,B)=3
945 NEXT:RETURN
980 IFLB=16THEN810
985 C=19+(3-LE)*8:D=-2+(3-
LE)*8:FORB=1TOLB:FORA=1TOLB:IFL(A,B)=0THENLINE(C+2*A,D+2*B)-
(C+2*A+1,D+2*B+1),1,B
986 NEXT:NEXT:GOSUB88:RETURN
990 IFLB=16THEN860

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995 C=151+(3-LE)*8:D=-2+(3-
LE)*8:FORB=1TOLB:FORA=1TOLB:IFL(A,B)=0THENLINE(C+2*A,D+2*B)-
(C+2*A+1,D+2*B+1),1,B
996 NEXT:NEXT:GOSUB88:RETURN
1000 RESTORE1001:LB=16:RETURN
1001 DATA0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0
1002 DATA0,1,1,0,1,0,0,1,0,1,1,1,1,1,1,0
1003 DATA0,1,0,1,1,0,1,1,1,1,0,0,0,0,1,0
1004 DATA0,1,1,0,1,1,0,0,1,0,1,1,1,1,0,0
1005 DATA0,0,1,0,0,1,1,1,1,1,0,1,0,1,0,0
1006 DATA0,1,1,1,0,1,0,0,0,0,0,1,1,0,1,0
1007 DATA0,0,1,0,0,1,1,1,1,1,0,0,1,0,1,0
1008 DATA0,1,1,0,1,1,0,0,0,1,1,1,1,1,1,0
1009 DATA0,1,0,0,0,0,0,1,0,0,1,0,1,0,0,0
1010 DATA0,1,1,0,1,1,0,1,1,1,0,0,1,0,1,0
1011 DATA0,1,0,0,0,1,1,1,0,1,1,1,1,1,1,0
1012 DATA0,1,1,1,1,1,0,0,1,1,0,0,0,1,0,0
1013 DATA0,1,0,0,0,1,1,1,1,0,1,1,1,1,0,0
1014 DATA0,1,0,1,0,1,0,0,0,1,1,0,1,0,1,0
1015 DATA0,1,1,1,1,1,1,1,0,1,0,0,1,1,1,0
1016 DATA0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0
1100 RESTORE1101:LB=16:RETURN
1101 DATA0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0
1102 DATA0,1,1,1,0,1,0,1,1,0,1,1,1,1,0,0
1103 DATA0,0,0,1,1,1,1,1,0,1,1,0,0,1,1,0
1104 DATA0,1,1,0,1,0,0,0,0,1,0,1,1,1,0,0
1105 DATA0,1,0,0,1,0,1,1,1,1,0,1,0,0,1,0
1106 DATA0,1,1,1,1,0,1,0,0,1,0,1,1,0,1,0
1107 DATA0,1,0,1,0,0,0,1,0,1,0,1,0,1,1,0
1108 DATA0,1,0,0,1,0,1,1,1,1,0,1,0,1,0,0
1109 DATA0,1,1,1,1,1,1,0,0,0,0,1,0,1,1,0
1110 DATA0,1,0,1,0,0,0,1,1,1,1,1,1,0,1,0
1111 DATA0,0,1,0,1,1,1,0,1,0,1,0,1,1,1,0
1112 DATA0,1,1,1,0,0,1,1,1,0,1,1,0,0,0,0
1113 DATA0,1,0,1,0,1,1,0,1,0,0,1,1,1,1,0
1114 DATA0,1,1,0,1,0,0,0,1,0,1,1,0,0,1,0
1115 DATA0,0,1,1,1,1,1,1,1,0,1,0,1,1,1,0
1116 DATA0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0
1200 RESTORE1201:LB=16:RETURN
1201 DATA0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0
1202 DATA0,1,0,1,1,0,1,1,0,0,0,1,0,1,1,0
1203 DATA0,1,0,0,1,1,0,1,1,0,1,1,1,0,1,0
1204 DATA0,1,1,1,1,0,1,1,0,1,1,0,1,0,1,0
1205 DATA0,0,0,0,1,1,1,0,1,1,0,1,0,0,1,0
1206 DATA0,1,1,0,0,0,1,1,1,0,1,1,1,0,1,0
1207 DATA0,1,0,1,1,1,1,0,0,0,1,0,1,1,1,0
1208 DATA0,1,1,1,0,0,1,1,1,1,1,0,0,0,1,0
1209 DATA0,0,1,0,0,0,1,0,1,0,0,1,1,0,0,0
1210 DATA0,1,1,1,1,1,1,1,1,0,1,0,1,0,1,0
1211 DATA0,0,0,0,1,0,0,0,1,1,1,1,1,1,1,0
1212 DATA0,1,1,1,1,1,1,0,1,0,0,1,0,0,1,0
1213 DATA0,0,1,0,0,0,1,0,1,0,1,0,1,0,1,0
1214 DATA0,1,1,1,1,1,1,0,1,0,1,1,1,0,1,0
1215 DATA0,0,1,0,1,0,1,0,1,1,1,0,1,1,1,0
1216 DATA0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0
1300 RESTORE1301:LB=16:RETURN
1301 DATA0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0
1302 DATA0,1,1,1,1,1,1,1,1,0,1,1,0,1,1,1,0

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1303 DATA0,1,0,1,0,1,0,1,1,1,0,0,1,0,1,0
1304 DATA0,1,1,0,1,1,1,0,1,0,0,1,0,0,1,0
1305 DATA0,0,1,0,1,0,0,1,1,1,1,1,0,1,1,0
1306 DATA0,1,1,0,0,1,1,1,0,1,0,1,0,1,0,0
1307 DATA0,1,0,1,0,1,0,0,0,1,1,0,1,1,1,0
1308 DATA0,1,0,1,1,1,1,1,1,0,0,0,1,0,1,0
1309 DATA0,1,0,1,0,1,0,0,1,1,0,1,1,1,1,0
1310 DATA0,1,0,0,1,0,1,1,0,1,1,0,0,0,1,0
1311 DATA0,1,1,1,1,0,1,0,1,0,1,1,1,0,1,0
1312 DATA0,0,1,0,1,0,1,1,1,0,1,0,1,0,1,0
1313 DATA0,1,1,0,0,1,1,0,1,0,1,0,1,0,1,0
1314 DATA0,1,0,1,1,1,0,1,1,0,1,1,1,0,1,0
1315 DATA0,1,1,1,0,1,1,0,0,1,1,0,1,1,1,0
1316 DATA0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0
1400 RESTORE1401:LB=24:RETURN
1401 DATA0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0
1402 DATA0,1,1,1,0,1,0,0,0,1,0,1,0,0,0,1,1,1,1,1,1,1,0
1403 DATA0,1,0,0,1,1,1,0,1,1,1,1,1,0,1,1,0,0,0,1,0,0,0,0
1404 DATA0,1,0,1,0,1,0,1,1,0,1,0,1,0,1,0,1,1,1,0,1,1,1,0
1405 DATA0,1,1,1,1,1,0,1,0,1,1,1,1,1,1,1,0,0,1,0,1,0,1,0
1406 DATA0,0,1,0,1,0,0,1,0,1,0,0,0,0,0,1,1,0,1,0,1,0,1,0
1407 DATA0,1,0,1,1,1,0,1,1,0,1,1,1,1,0,0,1,0,1,1,0,1,1,0
1408 DATA0,1,1,1,0,1,0,0,0,1,1,0,0,1,1,1,1,1,0,1,0,0,1,0
1409 DATA0,1,0,0,0,1,1,1,1,1,0,1,1,0,1,0,0,1,0,1,1,1,1,0
1410 DATA0,1,1,0,1,0,0,0,0,1,0,1,0,1,1,1,1,1,0,0,0,1,0,0
1411 DATA0,0,1,0,1,1,1,1,1,0,0,1,0,0,0,1,0,1,1,1,1,1,0,0
1412 DATA0,0,1,0,1,0,0,0,1,1,1,1,1,1,1,0,1,1,0,1,0,1,1,0
1413 DATA0,1,1,1,0,1,1,1,0,0,0,1,0,0,1,0,1,0,0,1,1,1,0,0
1414 DATA0,1,0,1,0,1,0,1,1,1,0,1,0,1,1,0,1,1,0,1,0,1,1,0
1415 DATA0,1,0,1,0,1,0,1,0,1,1,1,0,1,0,1,1,0,1,0,1,0,1,0
1416 DATA0,1,0,1,1,0,1,1,0,0,0,0,1,1,1,1,0,0,1,0,1,1,1,0
1417 DATA0,1,0,1,0,0,1,0,0,1,0,1,0,1,0,0,1,0,1,0,1,0,1,0
1418 DATA0,1,1,0,0,1,1,1,0,1,0,1,1,1,0,1,1,1,1,0,1,0,0,0
1419 DATA0,0,1,0,1,1,0,0,1,1,1,1,0,0,1,1,0,1,0,1,1,1,1,0
1420 DATA0,1,1,1,0,1,1,0,1,0,0,0,1,1,1,0,1,1,1,0,1,0,1,0
1421 DATA0,1,0,1,1,0,1,0,1,1,1,0,1,0,1,0,1,0,1,0,1,0,1,0
1422 DATA0,1,0,0,1,0,1,1,0,0,0,0,1,0,1,0,1,1,1,1,1,0,1,0
1423 DATA0,1,1,1,1,1,0,1,1,1,1,0,1,0,1,1,1,0,1,0,1,1,1,0
1424 DATA0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0
1500 RESTORE1501:LB=24:RETURN
1501 DATA0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0
1502 DATA0,1,1,1,0,1,1,1,1,1,0,1,1,1,1,1,0,1,1,1,1,1,1,0
1503 DATA0,1,0,1,1,1,0,0,0,0,1,0,1,0,0,0,1,1,0,0,0,0,1,0
1504 DATA0,1,1,0,0,1,1,1,0,1,1,1,1,0,1,1,1,0,1,1,1,0,0,0
1505 DATA0,0,1,1,1,0,0,1,0,1,0,0,0,1,0,1,0,1,0,1,0,1,1,0
1506 DATA0,1,1,0,1,1,1,0,1,1,0,1,0,1,1,1,0,1,1,1,0,0,1,0
1507 DATA0,1,0,0,0,0,0,1,0,1,1,1,0,1,0,1,0,1,0,1,1,1,1,0
1508 DATA0,1,0,1,1,0,1,1,1,0,1,0,1,1,1,1,0,1,0,1,0,0,1,0
1509 DATA0,1,0,1,0,1,1,0,1,0,1,0,1,0,1,0,1,1,0,1,0,1,1,0
1510 DATA0,1,1,1,1,1,0,1,1,0,1,1,0,1,1,0,1,0,0,0,1,0,0,0
1511 DATA0,0,0,0,1,0,1,0,1,0,1,0,1,0,1,0,1,1,1,1,1,0,1,0
1512 DATA0,1,1,1,0,1,1,0,1,0,1,0,1,1,1,0,1,0,0,1,0,0,1,0
1513 DATA0,1,0,0,1,1,0,1,1,1,1,1,0,1,0,0,0,1,1,1,1,1,1,0
1514 DATA0,1,0,1,0,1,0,1,0,0,0,1,0,1,1,1,1,1,0,1,0,0,0,0
1515 DATA0,1,0,1,1,1,0,1,1,1,0,1,0,0,0,0,0,1,1,0,1,1,1,0
1516 DATA0,1,1,1,0,0,1,0,0,0,0,1,1,1,1,1,1,1,0,1,1,0,1,0
1517 DATA0,0,1,0,1,1,1,1,1,1,0,0,0,0,0,1,0,1,1,1,0,0,1,0
1518 DATA0,1,1,0,0,1,0,1,0,1,1,1,1,1,1,0,1,0,1,0,0,1,0,1,0

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1519 DATA0,1,0,1,1,0,0,0,1,1,0,1,0,1,1,1,0,1,1,1,0,1,0
1520 DATA0,1,0,1,0,1,1,1,1,0,0,0,1,0,0,0,1,1,0,0,0,1,1,0
1521 DATA0,1,0,1,1,1,0,1,0,1,1,1,1,1,1,1,1,0,1,1,1,1,0,0
1522 DATA0,1,1,1,0,1,1,0,1,0,0,0,0,0,1,0,1,1,0,1,0,1,0,0
1523 DATA0,1,0,1,1,0,1,0,1,1,1,1,1,1,1,1,0,1,0,1,1,1,1,0
1524 DATA0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0
1600 RESTORE1601:LB=24:RETURN
1601 DATA0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0
1602 DATA0,1,1,1,1,1,1,1,0,1,1,1,1,1,1,1,0,1,1,1,0,1,0,0
1603 DATA0,1,0,1,0,1,0,1,1,1,0,0,0,0,0,1,0,1,0,0,1,1,1,0
1604 DATA0,1,0,1,0,1,0,0,0,1,1,1,1,1,1,1,0,1,1,1,1,0,1,0
1605 DATA0,1,1,1,0,1,1,1,1,0,0,0,1,0,1,1,1,0,0,0,0,1,0,0
1606 DATA0,0,0,1,1,0,0,0,0,1,1,0,0,1,1,0,0,1,1,1,1,1,1,0
1607 DATA0,1,1,0,1,1,1,1,1,0,1,1,1,0,1,1,1,1,0,0,0,0,1,0
1608 DATA0,1,0,1,1,0,0,0,1,1,1,0,1,1,0,0,0,0,1,1,1,0,1,0
1609 DATA0,1,1,1,0,1,1,1,0,1,0,1,0,1,1,1,1,1,1,0,0,1,1,0
1610 DATA0,0,1,0,1,1,0,1,0,0,0,1,1,1,0,0,0,0,0,0,1,0,0,0
1611 DATA0,1,0,1,1,0,1,0,1,1,1,0,0,1,1,1,1,1,1,1,0,1,0
1612 DATA0,1,1,0,1,0,1,1,0,1,0,1,1,1,0,0,0,1,0,0,1,1,1,0
1613 DATA0,1,0,1,1,0,0,1,0,1,0,1,0,1,1,1,0,1,1,0,0,0,0,0
1614 DATA0,1,1,0,1,1,0,1,1,1,0,1,1,1,0,1,0,0,0,1,1,1,1,0
1615 DATA0,0,1,0,1,0,1,1,0,0,1,0,1,0,1,1,1,1,1,1,0,0,1,0
1616 DATA0,0,1,1,1,1,0,1,1,0,1,1,1,1,1,0,0,0,0,1,0,1,1,0
1617 DATA0,0,0,0,1,0,1,1,0,1,1,0,0,0,1,1,1,1,0,1,0,1,0,0
1618 DATA0,1,1,1,1,1,0,1,0,1,0,1,1,1,0,0,0,1,0,1,0,1,0,0
1619 DATA0,1,0,1,0,1,0,1,0,1,1,0,1,0,1,1,1,0,1,1,0,1,1,0
1620 DATA0,1,1,1,1,0,1,1,1,0,1,0,1,1,0,1,0,1,1,0,1,1,0,0
1621 DATA0,1,0,1,0,1,0,0,1,0,1,0,1,0,1,1,0,1,0,1,0,1,0,0
1622 DATA0,1,0,0,1,1,1,1,1,1,1,1,1,0,1,0,1,1,1,1,0,1,1,0
1623 DATA0,1,1,1,1,0,0,0,1,0,0,0,1,1,1,0,1,0,0,1,1,0,1,0
1624 DATA0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0
1700 RESTORE1701:LB=24:RETURN
1701 DATA0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0
1702 DATA0,1,1,1,1,0,1,1,0,1,1,1,1,1,0,1,1,1,1,1,0,1,1,0
1703 DATA0,1,0,0,1,0,0,1,0,1,0,1,0,1,0,1,0,0,1,0,1,0,1,0
1704 DATA0,0,1,1,1,1,1,1,1,1,0,1,1,0,0,1,1,1,0,1,1,1,1,0
1705 DATA0,1,1,0,0,0,0,0,0,0,0,1,0,0,0,1,1,0,1,1,1,0,1,0
1706 DATA0,1,0,1,1,1,1,1,1,1,1,0,1,1,1,0,0,0,0,0,1,1,0,0
1707 DATA0,1,1,1,0,0,0,0,0,1,0,1,0,1,0,1,0,1,1,1,0,0,1,0
1708 DATA0,1,0,0,1,1,1,0,1,1,0,1,0,0,1,1,1,0,1,0,1,0,1,0
1709 DATA0,1,1,0,0,1,0,1,0,1,0,1,0,1,1,0,0,0,1,0,1,1,1,0
1710 DATA0,1,0,1,1,1,1,1,0,1,1,1,0,1,0,1,1,0,1,0,0,0,1,0
1711 DATA0,1,0,1,0,0,0,0,1,0,1,0,1,0,1,0,1,0,1,1,0,1,1,0
1712 DATA0,1,1,1,1,1,1,0,1,0,0,1,1,1,1,1,0,1,0,1,1,0,0,0
1713 DATA0,0,0,0,1,0,1,1,1,0,1,1,0,1,0,0,1,1,1,0,1,0,1,0
1714 DATA0,1,1,0,1,1,0,0,0,1,1,0,1,1,0,1,0,1,0,1,1,1,1,0
1715 DATA0,1,0,1,0,0,1,1,0,0,1,0,1,0,0,1,1,1,1,0,1,0,0,0
1716 DATA0,1,1,1,0,1,1,0,1,1,1,0,1,1,1,0,0,0,1,1,1,0,1,0
1717 DATA0,1,0,0,1,0,1,0,1,0,0,0,1,0,1,1,1,1,0,0,0,0,1,0
1718 DATA0,1,1,1,1,1,1,0,1,1,1,1,0,1,0,0,0,1,1,1,1,1,1,0
1719 DATA0,1,0,0,1,0,1,1,1,0,0,1,1,1,1,1,0,1,0,0,1,0,1,0
1720 DATA0,0,1,1,1,0,1,0,1,1,0,0,0,0,0,0,1,1,1,0,0,1,1,0
1721 DATA0,1,1,0,1,0,1,1,0,1,1,1,1,1,1,1,0,0,0,0,1,0,1,0
1722 DATA0,0,1,0,1,1,0,0,1,0,0,1,0,1,0,1,1,1,0,1,0,1,1,0
1723 DATA0,1,1,0,1,0,0,1,1,1,1,1,0,1,1,1,0,1,1,1,1,0,1,0
1724 DATA0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0
1800 RESTORE1801:LB=32:RETURN
1801 DATA0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0

```

1802 DATA0,1,0,1,1,1,1,0,1,1,1,1,1,1,1,1,0,1,1,1,1,1,1,1,1,1,0,1,1,0
1803 DATA0,1,1,1,0,0,0,0,1,0,1,0,0,0,1,0,1,1,1,0,1,0,0,0,0,0,0,1,0,1,0,0
1804 DATA0,0,0,1,1,1,1,0,1,1,0,1,1,0,1,0,0,0,0,1,1,0,1,1,1,0,1,0,1,1,1,0
1805 DATA0,1,1,1,0,1,0,1,1,0,1,0,1,0,1,1,1,1,0,0,0,0,0,1,0,0,1,0,0,1,0,0
1806 DATA0,1,0,0,1,1,1,0,0,1,1,0,1,0,0,0,0,1,0,1,1,1,0,1,1,1,1,1,1,1,1,0
1807 DATA0,1,1,0,1,0,1,0,1,0,1,0,1,0,1,1,1,1,1,1,0,1,0,1,0,0,0,1,0,0,1,0
1808 DATA0,0,0,0,1,1,1,0,1,1,1,1,1,0,1,0,0,0,0,1,0,1,0,1,0,1,0,1,0,0,1,0
1809 DATA0,1,1,0,1,0,0,1,1,0,0,0,1,1,0,1,1,1,0,1,0,1,1,1,0,1,0,1,1,1,1,0
1810 DATA0,1,0,1,1,1,1,1,0,0,1,0,0,1,1,0,1,0,1,1,1,0,0,0,1,1,1,0,0,0,1,0
1811 DATA0,1,1,0,0,1,0,1,1,0,1,1,1,1,0,1,1,1,0,0,0,1,1,0,1,0,1,1,1,0,1,0
1812 DATA0,0,1,1,0,0,0,1,0,0,1,0,0,1,0,0,0,1,1,1,1,0,0,1,0,0,0,1,0,1,0
1813 DATA0,1,0,1,1,0,1,1,1,1,0,0,1,1,1,1,0,1,0,1,0,1,1,0,1,1,1,1,0,0,1,0
1814 DATA0,1,1,1,0,0,1,0,0,0,1,0,1,0,0,1,1,1,0,1,1,0,1,0,1,0,0,1,1,1,1,0
1815 DATA0,1,0,1,1,1,1,1,1,1,0,1,0,1,1,0,1,1,0,0,1,1,0,1,0,1,0,1,0,1,0
1816 DATA0,0,1,0,0,1,0,0,0,1,0,0,1,0,1,0,0,0,1,1,1,0,0,1,1,0,1,1,0,0,1,0
1817 DATA0,1,1,0,1,0,0,1,0,1,0,1,1,1,1,0,1,1,0,0,1,1,0,1,0,1,0,1,1,1,0
1818 DATA0,1,0,0,1,0,1,1,0,1,1,0,0,0,0,1,0,1,0,1,0,1,0,0,1,0,1,0,1,0,0,0
1819 DATA0,1,1,1,1,1,1,0,0,0,1,1,1,1,1,0,0,1,0,1,0,1,1,1,1,0,1,1,1,0
1820 DATA0,0,1,0,1,0,1,0,1,1,0,0,1,0,1,1,0,1,1,1,0,1,0,0,1,0,1,0,0,0,1,0
1821 DATA0,1,1,0,1,0,1,1,1,0,0,1,1,1,0,1,0,1,0,0,0,1,0,1,0,0,1,1,0,1,1,0
1822 DATA0,0,1,0,1,0,0,1,0,0,1,1,0,1,0,1,0,1,1,1,1,1,1,1,0,0,1,0,1,0,0
1823 DATA0,1,1,1,1,1,1,0,1,1,0,1,1,0,1,0,0,0,0,0,0,0,0,0,0,0,1,1,1,1,0,0
1824 DATA0,1,0,0,0,0,0,0,0,0,0,0,0,0,0,1,0,1,1,1,1,1,1,0,1,1,0,1,0,1,1,0
1825 DATA0,1,0,1,1,0,1,1,1,1,1,1,0,1,0,0,0,1,0,0,1,1,0,1,0,1,0,0,0,1,0,0
1826 DATA0,1,0,1,0,1,1,0,0,0,0,1,1,1,1,1,0,1,1,1,0,1,1,1,0,1,0,1,0,1,1,0
1827 DATA0,1,0,1,1,0,0,1,1,1,1,1,0,0,0,1,0,1,0,0,1,0,1,0,0,1,1,1,0,0,0,0
1828 DATA0,1,0,1,0,1,1,1,0,0,0,1,0,1,1,1,0,1,1,1,0,1,1,0,0,1,0,1,1,1,0
1829 DATA0,1,1,1,1,0,1,0,1,1,0,1,1,1,0,1,0,1,0,0,1,0,1,0,1,0,1,1,1,0,1,0
1830 DATA0,1,0,0,1,1,1,0,1,0,1,0,0,0,0,1,0,1,0,1,0,0,1,0,1,0,0,0,1,1,0,0
1831 DATA0,1,1,1,1,0,1,1,1,0,1,1,1,1,1,1,0,1,1,1,1,0,1,1,1,1,1,1,0,1,1,0
1832 DATA0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0
1900 RESTORE1901:LB=32:RETURN
1901 DATA0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0
1902 DATA0,1,1,1,0,1,1,1,1,0,1,1,1,1,1,1,1,1,1,1,0,1,1,1,1,1,1,1,1,1,0
1903 DATA0,1,0,1,0,1,0,1,0,0,1,0,0,0,1,0,0,0,1,0,1,0,0,1,0,0,0,1,0,0,1,0
1904 DATA0,1,1,1,1,1,0,1,1,0,1,1,0,1,1,1,0,1,1,1,1,1,0,0,1,0,1,0,1,1,0
1905 DATA0,0,1,0,0,0,0,1,0,0,1,0,0,0,1,0,0,0,1,0,0,0,1,1,1,1,0,1,0,0,1,0
1906 DATA0,1,1,1,0,1,1,1,1,1,1,1,1,0,1,1,1,1,0,1,1,1,1,0,0,0,1,0,1,1,0,0
1907 DATA0,0,0,1,0,1,0,0,0,0,0,0,0,1,0,1,0,1,1,1,0,0,1,1,1,0,1,1,0,0,1,1,0
1908 DATA0,1,1,1,1,0,1,1,1,1,1,0,0,0,1,0,0,0,0,1,0,1,0,1,0,0,0,1,1,0,1,0
1909 DATA0,0,1,0,0,0,1,0,1,0,1,0,1,1,1,1,0,1,1,1,0,1,1,1,1,1,1,1,0,1,1,0
1910 DATA0,1,1,1,1,0,0,1,1,0,1,0,1,0,0,0,0,0,0,0,1,0,0,0,0,0,1,0,0,0,1,0,0
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1912 DATA0,1,1,0,1,0,1,1,1,1,0,0,0,0,0,0,0,1,1,0,1,0,1,0,1,1,0,1,0,0,0,1,0
1913 DATA0,0,1,1,1,0,1,0,1,0,1,1,1,1,1,1,0,1,0,1,0,1,1,0,1,1,0,1,1,1,1,0
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1915 DATA0,1,0,1,1,1,1,1,1,1,0,0,0,1,1,1,1,1,1,1,0,1,1,1,0,1,0,0,1,1,1,0
1916 DATA0,0,0,1,0,0,0,1,0,1,1,0,1,0,0,0,0,0,0,0,1,0,1,0,0,0,1,1,0,1,0,1,0
1917 DATA0,1,0,1,0,1,1,1,1,0,0,1,1,1,1,1,1,1,1,1,0,1,0,1,1,1,0,0,0,1,1,0
1918 DATA0,1,1,1,0,1,0,0,0,1,0,0,1,0,0,0,1,0,0,0,0,1,1,1,0,1,1,1,1,1,0,0
1919 DATA0,1,0,1,0,0,1,1,1,1,1,0,1,1,1,0,1,1,0,1,0,0,0,0,0,0,1,0,0,0,1,0
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1921 DATA0,1,0,1,0,0,1,0,1,0,1,0,1,1,1,0,1,1,0,0,0,1,0,1,0,0,1,0,0,0,1,0
1922 DATA0,1,0,1,1,1,0,1,0,1,0,0,1,0,1,0,1,0,1,1,0,1,1,1,1,0,1,1,1,0,0
1923 DATA0,1,1,0,0,1,0,1,1,1,1,1,0,0,1,1,1,0,0,1,0,1,0,0,0,1,1,1,0,0,1,0
1924 DATA0,1,0,1,0,1,0,0,0,1,0,0,1,0,0,0,1,1,1,1,1,1,1,0,0,0,1,1,1,1,0
1925 DATA0,1,1,1,1,1,1,1,1,1,1,1,1,1,0,1,1,0,0,0,0,0,1,0,1,0,1,0,0,0,0
1926 DATA0,0,0,0,1,0,0,0,0,0,0,0,0,0,0,0,1,0,1,1,1,1,0,1,0,1,1,1,0,1,1,0

1927 DATA0,1,1,0,1,1,1,0,1,1,1,0,1,1,1,0,1,0,0,1,0,1,0,0,1,0,1,0,0,1,0,0
1928 DATA0,1,0,0,0,0,1,0,1,0,1,0,1,0,0,0,1,0,1,0,1,1,0,0,0,0,1,1,1,1,0,0
1929 DATA0,1,0,1,1,0,1,1,1,0,0,0,1,0,1,1,1,1,1,0,0,1,1,1,1,1,0,0,0,1,1,0
1930 DATA0,1,0,1,0,0,1,0,0,0,1,1,1,0,1,0,1,0,0,0,1,0,1,0,0,1,0,1,0,0,1,0
1931 DATA0,1,1,1,1,1,1,1,1,1,0,1,1,1,0,1,1,1,1,1,0,1,1,1,1,1,0,1,1,0,1,1,0
1932 DATA0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0
2000 RESTORE2001:LB=32:RETURN
2001 DATA0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0
2002 DATA0,1,1,1,1,1,1,1,0,1,1,1,0,1,1,1,1,1,1,1,1,1,0,1,1,1,1,1,1,1,0
2003 DATA0,1,0,0,0,0,0,1,0,1,0,1,1,1,1,0,0,0,1,0,0,0,0,0,1,1,0,0,0,0,1,0
2004 DATA0,1,0,1,1,1,1,1,0,0,1,0,1,0,1,1,1,1,1,1,1,1,1,0,1,1,1,0,1,0,1,0
2005 DATA0,1,1,1,0,1,0,1,1,1,1,0,0,0,0,1,0,0,0,0,1,0,0,0,1,0,1,0,1,0,1,0
2006 DATA0,1,0,1,1,0,1,0,1,0,1,0,1,1,0,1,0,1,1,1,0,1,1,0,1,0,1,1,1,1,1,0
2007 DATA0,1,0,0,0,0,1,0,1,0,1,1,0,1,0,1,1,0,1,0,1,0,1,0,1,0,1,0,1,0,1,0
2008 DATA0,1,0,1,1,1,1,0,1,1,0,0,1,1,0,1,0,1,1,0,1,0,1,1,1,0,1,1,1,0,1,0
2009 DATA0,1,0,1,0,0,0,0,0,1,0,1,0,1,0,1,0,1,0,1,1,1,0,0,1,0,0,0,0,0,1,0
2010 DATA0,1,1,1,1,1,0,1,0,1,0,1,1,1,0,1,0,1,1,0,0,1,1,0,1,1,1,1,1,0,1,0
2011 DATA0,0,0,0,0,1,0,1,0,1,0,1,0,0,1,1,0,0,1,1,1,0,1,1,1,0,0,0,1,1,0,0
2012 DATA0,1,1,1,0,1,1,1,0,1,0,1,0,1,0,1,1,1,1,0,1,0,0,0,1,0,1,0,1,0,1,0
2013 DATA0,0,0,1,0,1,0,1,0,1,1,1,0,1,0,0,0,0,1,0,1,1,1,0,1,1,1,0,1,0,1,0
2014 DATA0,1,1,1,0,1,0,1,0,1,0,0,1,1,1,1,0,1,1,0,0,0,1,1,0,0,1,0,1,1,1,0
2015 DATA0,1,0,0,0,1,0,1,0,1,0,1,0,0,0,1,1,0,1,1,1,1,0,1,0,1,1,0,1,0,1,0
2016 DATA0,1,1,1,0,1,0,1,0,1,0,1,1,1,1,0,1,1,1,0,0,1,0,1,0,0,1,0,0,0,1,0
2017 DATA0,1,0,1,1,1,1,1,0,1,0,0,0,0,1,0,0,0,1,0,1,1,0,1,0,1,1,1,1,1,0,0
2018 DATA0,0,1,0,0,0,0,0,1,1,1,1,1,0,1,1,1,1,1,1,0,0,1,1,0,1,0,1,0,1,1,0
2019 DATA0,1,1,1,1,1,1,1,1,0,0,0,1,1,1,0,0,0,0,0,1,0,0,1,0,1,0,1,1,0,1,0
2020 DATA0,1,0,0,0,1,0,0,1,1,1,1,0,0,1,0,1,1,1,1,1,1,1,0,1,1,0,1,0,1,0,0
2021 DATA0,1,0,1,0,0,1,0,1,0,1,0,0,1,0,1,1,0,1,0,0,1,0,0,1,0,1,0,0,0,1,0
2022 DATA0,1,1,1,0,1,1,1,1,0,1,0,1,1,1,0,1,0,1,1,1,1,0,1,1,1,1,1,1,1,0
2023 DATA0,0,0,0,0,0,1,0,1,0,1,0,1,0,1,0,1,0,1,0,0,0,1,0,0,0,0,0,0,0,0,0
2024 DATA0,1,1,1,0,1,0,1,1,1,0,1,0,0,1,0,1,0,1,1,1,1,1,0,1,1,1,1,1,1,1,0
2025 DATA0,1,0,1,1,1,1,1,0,1,0,1,1,1,1,1,1,1,0,0,0,1,0,1,1,1,0,0,0,0,1,0
2026 DATA0,0,1,0,0,0,0,0,0,0,0,1,0,0,0,1,0,1,0,1,0,0,0,0,1,1,1,1,0,1,0,0
2027 DATA0,1,1,1,1,1,1,1,1,0,1,0,1,1,1,0,1,1,1,0,1,1,1,0,1,0,0,1,1,1,0
2028 DATA0,1,0,0,0,0,0,0,0,1,0,1,0,1,0,1,0,0,0,1,0,1,0,1,0,1,1,1,0,0,0,0
2029 DATA0,1,0,1,1,1,1,1,1,1,1,1,0,1,0,1,0,1,1,1,0,1,0,1,1,0,0,1,1,0,1,0
2030 DATA0,1,0,1,0,0,1,0,0,0,1,0,1,0,0,1,0,1,0,0,0,1,0,0,1,1,0,1,0,0,1,0
2031 DATA0,0,1,1,1,1,0,1,1,1,1,0,1,1,1,1,1,0,1,1,1,1,1,0,1,0,1,1,1,1,1,0
2032 DATA0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0
2100 RESTORE2101:LB=32:RETURN
2101 DATA0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0
2102 DATA0,1,1,0,1,1,0,1,0,1,1,1,0,1,1,1,1,0,0,1,1,0,1,1,1,1,1,1,1,1,1,0
2103 DATA0,1,0,1,0,1,0,1,0,1,0,1,1,1,0,0,0,1,1,1,0,1,0,1,0,1,0,0,0,1,0,0
2104 DATA0,1,1,1,0,1,0,1,0,1,0,1,0,0,1,1,0,1,0,1,1,1,1,1,1,0,1,1,0,0,1,0
2105 DATA0,1,0,0,0,1,1,1,0,1,1,1,0,1,0,1,1,1,0,0,0,0,0,0,0,0,0,1,0,1,1,1,0
2106 DATA0,1,0,1,1,1,0,0,1,0,1,0,1,1,1,0,1,0,1,1,1,1,1,1,1,0,1,0,1,0,1,0
2107 DATA0,1,1,1,0,0,1,1,1,1,1,0,1,0,1,1,1,1,1,0,1,0,0,0,1,0,1,0,1,0,1,0
2108 DATA0,0,1,0,1,1,1,0,0,0,1,0,1,1,0,1,0,1,0,1,1,1,1,1,1,0,1,1,1,0,1,0
2109 DATA0,0,1,0,1,0,1,0,1,1,0,1,0,1,0,1,0,1,1,1,0,1,0,0,1,0,0,0,1,1,1,0
2110 DATA0,1,1,0,1,0,1,1,1,0,1,1,1,1,0,1,0,0,0,0,0,0,1,1,1,0,1,1,1,0,1,0
2111 DATA0,1,0,1,1,0,0,0,1,1,0,1,0,1,0,0,0,1,1,0,1,1,0,0,0,0,1,0,0,0,1,1,0
2112 DATA0,1,0,1,0,1,1,1,0,0,0,1,0,0,1,1,1,0,0,1,0,1,1,1,0,1,1,1,0,1,0,0
2113 DATA0,1,0,1,0,1,0,1,1,1,1,1,1,0,1,0,1,0,1,1,1,1,0,1,1,0,1,0,0,1,1,0
2114 DATA0,1,0,1,1,0,1,1,0,1,0,0,1,0,1,0,1,0,1,0,0,1,0,1,0,1,1,1,0,1,0,0
2115 DATA0,1,1,0,1,1,0,0,1,1,1,0,1,1,1,1,1,1,1,0,1,1,1,1,1,0,1,0,0,1,1,0
2116 DATA0,0,1,0,0,1,0,1,0,0,0,1,0,0,1,0,1,0,0,0,0,0,0,1,0,1,0,1,1,1,0,1,0
2117 DATA0,1,1,1,0,1,0,1,0,1,1,1,1,1,1,1,1,1,1,1,1,1,1,0,1,0,0,1,0,0,1,0
2118 DATA0,1,0,1,0,1,0,1,1,1,0,1,0,0,1,0,1,0,0,0,1,0,1,0,1,1,0,1,1,1,1,0

2119 DATA0,1,0,1,0,1,1,0,0,0,1,1,1,0,1,0,1,1,1,0,1,0,1,1,1,0,1,0,0,1,0,0
2120 DATA0,0,1,1,0,1,0,1,0,1,1,0,1,0,1,1,0,0,1,0,1,0,1,0,1,1,1,0,1,1,0,0
2121 DATA0,1,0,1,0,1,1,1,0,1,0,1,1,0,0,1,0,1,1,0,1,1,0,1,0,0,1,0,1,0,1,0
2122 DATA0,1,1,1,1,0,1,0,0,1,1,1,0,1,1,1,0,1,0,1,0,1,0,1,1,0,1,0,1,0,1,0
2123 DATA0,1,0,1,0,1,1,0,1,0,0,0,1,1,0,1,1,1,0,1,0,1,1,0,1,0,1,1,1,0,1,0
2124 DATA0,1,0,1,1,0,1,1,1,1,1,1,0,1,0,1,0,1,1,1,0,1,0,0,1,1,0,0,0,1,1,0
2125 DATA0,1,0,0,1,1,0,0,0,0,0,0,1,1,1,0,1,1,0,0,0,1,1,1,1,1,0,1,1,1,1,0,0
2126 DATA0,0,1,1,0,1,0,1,1,1,1,0,0,0,1,0,0,1,1,1,1,0,0,0,1,1,1,0,0,0,1,0
2127 DATA0,1,1,0,1,1,1,1,0,0,1,1,1,1,1,1,1,1,0,0,1,1,1,1,0,0,1,1,1,1,1,0
2128 DATA0,1,0,1,0,0,0,0,1,1,1,1,0,0,1,0,0,0,0,0,1,1,0,0,0,1,1,1,0,0,0,0,0
2129 DATA0,1,0,1,1,1,1,1,0,1,0,1,1,1,1,1,1,1,0,1,1,1,0,0,1,0,1,1,1,1,0
2130 DATA0,1,0,1,0,1,0,0,0,1,0,1,0,0,0,0,1,0,1,0,1,0,1,0,1,1,1,1,0,0,1,0
2131 DATA0,1,1,1,1,0,1,1,1,1,0,1,1,1,1,1,0,1,1,1,0,1,0,1,0,0,1,1,1,1,0
2132 DATA0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0