

Changes:
1424, 1425
1340, 1502

RUBIK'S CUBE
5-25-90

8000 'Special solve.'

```
10 CLS :LOCATE 5,10 :PRINT "-----"
11 LOCATE 6,9 :PRINT "/    /I"
12 LOCATE 7,8 :PRINT "/_____/ I"
14 LOCATE 8,8 :PRINT "I_I_I_I_I"
15 LOCATE 9,8 :PRINT "I_I_I_I_I/"
16 LOCATE 10,8 :PRINT "I_I_I_I_I/"
20 LOCATE 13,7 :PRINT "RUBIK'S CUBE"
30 LOCATE 5,40 :PRINT "-----"
31 LOCATE 6,39 :PRINT "/    /I"
32 LOCATE 7,38 :PRINT "/_U_/_/ I"
34 LOCATE 8,38 :PRINT "I      I_I"
35 LOCATE 9,38 :PRINT "I      F_I /"
36 LOCATE 10,38 :PRINT "I_____I/"
40 LOCATE 4,43 :PRINT "B"
41 LOCATE 9,36 :PRINT "L"
42 LOCATE 9,52 :PRINT "R"
43 LOCATE 11,43 :PRINT "D"
44 PRINT :PRINT
50 LOCATE 13,38 :PRINT "D - DOWN OR BOTTOM FACE : BLUE"
51 LOCATE 14,38 :PRINT "U - UP OR TOP FACE : WHITE"
52 LOCATE 15,38 :PRINT "F - FRONT FACE : GREEN"
53 LOCATE 16,38 :PRINT "B - BACK FACE : YELLOW"
54 LOCATE 17,38 :PRINT "L - LEFT FACE : ORANGE"
55 LOCATE 18,38 :PRINT "R - RIGHT FACE : RED"
90 PRINT :PRINT:PRINT:INPUT "TYPE C TO CONTINUE ; TYPE X TO ABORT", XX$  

91 IF XX$="C" THEN 100
92 IF XX$="X" THEN 9499 ELSE 90
100 OPTION BASE 1 :A=1000000 :PP=1
120 DIM CG(9),DC(9,2),DD(27,2),HH$(27)
140 CLS :PRINT "WAIT 10 SEC - LOADING DATA" : PRINT :PRINT
150 FOR N=1 TO 27
160 READ DD(N,1)
170 NEXT N
180 GOSUB 4100 :GOTO 600
600 PRINT TAB(10); "PROGRAM CODES" :PRINT
601 PRINT TAB(10); "1 - Manual Rotation Mode"
602 PRINT TAB(10); "2 - Face Display"
603 PRINT TAB(10); "3 - Random Rotations"
604 PRINT TAB(10); "4 - Pre-programmed Rotations"
605 PRINT TAB(10); "5 - Automatic Solve"
606 PRINT TAB(10); "6 - STOP : GOTO 600"
607 PRINT TAB(10); "7 - END"
```

PRINT
LOGO

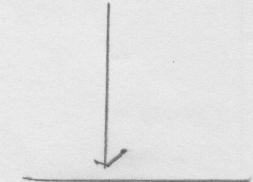
XX\$

LOAD
DATA

PROGR
SELEC

```
608 PRINT :PRINT
609 INPUT "PROG CODE"; PC
610 ON PC GOTO 630,700,800,900,1000,9498,9499
630 COUNT=1 :INPUT "ROTATE COMMAND"; ROT$
631 IF ROT$="X" THEN 600
632 IF ROT$="F" THEN 650
633 IF ROT$="F-" THEN 651
634 IF ROT$="F2" THEN 652
635 IF ROT$="L" THEN 653
636 IF ROT$="L-" THEN 654
637 IF ROT$="L2" THEN 655
638 IF ROT$="B" THEN 656
639 IF ROT$="B-" THEN 657
640 IF ROT$="B2" THEN 658
641 IF ROT$="R" THEN 659
642 IF ROT$="R-" THEN 660
643 IF ROT$="R2" THEN 661
644 IF ROT$="D" THEN 662
645 IF ROT$="D-" THEN 663
646 IF ROT$="D2" THEN 664
647 IF ROT$="U" THEN 665
648 IF ROT$="U-" THEN 666
649 IF ROT$="U2" THEN 667 ELSE 630
650 GOSUB 6200 :GOTO 630
651 GOSUB 6210 :GOTO 630
652 GOSUB 6220 :GOTO 630
653 GOSUB 6240 :GOTO 630
654 GOSUB 6250 :GOTO 630
655 GOSUB 6260 :GOTO 630
656 GOSUB 6280 :GOTO 630
657 GOSUB 6290 :GOTO 630
658 GOSUB 6300 :GOTO 630
659 GOSUB 6320 :GOTO 630
660 GOSUB 6330 :GOTO 630
661 GOSUB 6340 :GOTO 630
662 GOSUB 6360 :GOTO 630
663 GOSUB 6370 :GOTO 630
664 GOSUB 6380 :GOTO 630
665 GOSUB 6400 :GOTO 630
666 GOSUB 6410 :GOTO 630
667 GOSUB 6420 :GOTO 630
700 GOSUB 5300
710 GOTO 600
800 GOSUB 860 :FOR N8=1 TO 5
810 RAND=INT(RND*18+1)
820 ON RAND GOTO 821,822,823,824,825,826,827,828,829,830,831,832,833,834,835,836
,837,838
821 GOSUB 6200 :GOTO 840
822 GOSUB 6210 :GOTO 840
823 GOSUB 6220 :GOTO 840
824 GOSUB 6240 :GOTO 840
825 GOSUB 6250 :GOTO 840
826 GOSUB 6260 :GOTO 840
827 GOSUB 6280 :GOTO 840
828 GOSUB 6290 :GOTO 840
829 GOSUB 6300 :GOTO 840
830 GOSUB 6320 :GOTO 840
831 GOSUB 6330 :GOTO 840
832 GOSUB 6340 :GOTO 840
833 GOSUB 6360 :GOTO 840
834 GOSUB 6370 :GOTO 840
835 GOSUB 6380 :GOTO 840
836 GOSUB 6400 :GOTO 840
837 GOSUB 6410 :GOTO 840
838 GOSUB 6420
840 NEXT N8 :GOTO 600
850 © 1984 BY RICHARD J. TAYLOR
```

MANUAL
ROTATION



RANDOM
MIX
ROTATION

860 S=VAL(RIGHT\$(TIME\$,2))
861 FOR N=1 TO S
862 D=RND
863 NEXT N :RETURN

900 COUNT =1 :GOSUB 6330 :GOSUB 6370 :GOSUB 6340 :GOSUB 6250 :GOSUB 6300 :GOTO 600

1000 ZZ(1)=105 :ZZ(2)=110 :ZZ(3)=115 :ZZ(4)=120 :COUNT=1

1005 FOR N11=1 TO 4 :FOR M11=1 TO 27

1010 IF DD(M11,2)=ZZ(N11) THEN 1020

1015 NEXT M11

1020 YY=DD(M11,1) :PRINT TAB(10);ZZ(N11);TAB(15);M11;TAB(20);YY

1021 IF M11=2 THEN 1035

1022 IF M11=4 THEN 1040

1023 IF M11=6 THEN 1060

1024 IF M11=8 THEN 1070

1025 IF M11=10 THEN 1090

1026 IF M11=12 THEN 1110

1027 IF M11=16 THEN 1130

1028 IF M11=18 THEN 1150

1029 IF M11=20 THEN 1170

1030 IF M11=22 THEN 1190

1031 IF M11=24 THEN 1210

1032 IF M11=26 THEN 1230

1035 ON N11 GOTO 1036,9496,9496,9496

1036 IF YY=100050! THEN 1249

1037 GOSUB 6200 :GOSUB 6240 :GOSUB 6360 :GOTO 1249

1040 ON N11 GOTO 1041,1045,1050,1055

1041 IF YY=1050 THEN 1043

1042 GOSUB 6250 :GOSUB 6210 :GOTO 1249

1043 GOSUB 6360 :GOTO 1249

1045 IF YY=2050 THEN 1047

1046 GOSUB 6260 :GOSUB 6400 :GOSUB 6290 :GOSUB 6320 :GOTO 1249

1047 GOSUB 6260 :GOSUB 6420 :GOSUB 6340 :GOTO 1249

1050 IF YY=3050 THEN 1052

1051 GOSUB 6240 :GOSUB 6290 :GOTO 1249

1052 GOSUB 6260 :GOSUB 6400 :GOSUB 6300 :GOTO 1249

1055 IF YY=4050 THEN 1249

1056 GOSUB 6360 :GOSUB 6200 :GOSUB 6370 :GOSUB 6240 :GOTO 1249

1060 ON N11 GOTO 1061,1065,9495,9495

1061 IF YY=150 THEN 1063

1062 GOSUB 6320 :GOSUB 6200 :GOTO 1249

1063 GOSUB 6370 :GOTO 1249

1065 IF YY=250 THEN 1249

1066 GOSUB 6360 :GOSUB 6280 :GOSUB 6370 :GOSUB 6320 :GOTO 1249

1070 ON N11 GOTO 1071,1075,1080,9494

1071 IF YY=10050 THEN 1073

1072 GOSUB 6290 :GOSUB 6250 :GOSUB 6360 :GOTO 1249

1073 GOSUB 6380 :GOTO 1249

1075 IF YY=20050 THEN 1077

1076 GOSUB 6280 :GOSUB 6320 :GOTO 1249

1077 GOSUB 6300 :GOSUB 6400 :GOSUB 6340 :GOTO 1249

1080 IF YY=30050 THEN 1249

1081 GOSUB 6300 :GOSUB 6410 :GOSUB 6250 :GOSUB 6280 :GOTO 1249

1090 ON N11 GOTO 1091,1095,1100,1105

1091 IF YY=105000! THEN 1093

1092 GOSUB 6240 :GOSUB 6360 :GOTO 1249

1093 GOSUB 6210 :GOTO 1249

1095 IF YY=502000! THEN 1097

1096 GOSUB 6260 :GOSUB 6290 :GOSUB 6400 :GOSUB 6340 :GOTO 1249

1097 GOSUB 6250 :GOSUB 6420 :GOSUB 6340 :GOTO 1249

1100 IF YY=503000! THEN 1102

1101 GOSUB 6260 :GOSUB 6280 :GOTO 1249

1102 GOSUB 6250 :GOSUB 6400 :GOSUB 6300 :GOTO 1249

1105 IF YY=504000! THEN 1107

1106 GOSUB 6200 :GOSUB 6400 :GOSUB 6210 :GOSUB 6260 :GOTO 1249

1107 GOSUB 6240 :GOTO 1249

AUTOMATIC
SOLVE

LEVEL
EDGE

```
1110 ON N11 GOTO 1111,1115,1120,1125
1111 IF YY=100500! THEN 1113
1112 GOSUB 6330 :GOSUB 6370 :GOTO 1249
1113 GOSUB 6200 :GOTO 1249
1115 IF YY=500200! THEN 1117
1116 GOSUB 6200 :GOSUB 6410 :GOSUB 6290 :GOSUB 6320 :GOTO 1249
1117 GOSUB 6330 :GOTO 1249
1120 IF YY=500300! THEN 1122
1121 GOSUB 6340 :GOSUB 6290 :GOSUB 6340 :GOTO 1249
1122 GOSUB 6320 :GOSUB 6410 :GOSUB 6330 :GOSUB 6300 :GOTO 1249
1125 IF YY=500400! THEN 1127
1126 GOSUB 6210 :GOSUB 6400 :GOSUB 6200 :GOSUB 6240 :GOTO 1249
1127 GOSUB 6220 :GOSUB 6240 :GOSUB 6220 :GOTO 1249
1130 ON N11 GOTO 1131,1135,1140,1145
1131 IF YY=15000! THEN 1133
1132 GOSUB 6250 :GOSUB 6360 :GOTO 1249
1133 GOSUB 6260 :GOSUB 6200 :GOTO 1249
1135 IF YY=25000! THEN 1137
1136 GOSUB 6300 :GOSUB 6320 :GOTO 1249
1137 GOSUB 6290 :GOSUB 6400 :GOSUB 6340 :GOTO 1249
1140 IF YY=35000! THEN 1142
1141 GOSUB 6240 :GOSUB 6400 :GOSUB 6300 :GOTO 1249
1142 GOSUB 6280 :GOTO 1249
1145 IF YY=45000! THEN 1147
1146 GOSUB 6250 :GOTO 1249
1147 GOSUB 6290 :GOSUB 6410 :GOSUB 6280 :GOSUB 6260 :GOTO 1249
1150 ON N11 GOTO 1151,1155,1160,1165
1151 IF YY=10500 THEN 1153
1152 GOSUB 6330 :GOSUB 6400 :GOSUB 6220 :GOTO 1249
1153 GOSUB 6340 :GOSUB 6200 :GOTO 1249
1155 IF YY=20500 THEN 1157
1156 GOSUB 6320 :GOTO 1249
1157 GOSUB 6280 :GOSUB 6400 :GOSUB 6340 :GOTO 1249
1160 IF YY=30500 THEN 1162
1161 GOSUB 6300 :GOSUB 6240 :GOSUB 6400 :GOSUB 6300 :GOTO 1249
1162 GOSUB 6290 :GOTO 1249
1165 IF YY=40500! THEN 1167
1166 GOSUB 6300 :GOSUB 6250 :GOSUB 6300 :GOTO 1249
1167 GOSUB 6280 :GOSUB 6410 :GOSUB 6290 :GOSUB 6260 :GOTO 1249
1170 ON N11 GOTO 1171,1175,1180,1185
1171 IF YY=100005! THEN 1173
1172 GOSUB 6400 :GOSUB 6240 :GOSUB 6210 :GOTO 1249
1173 GOSUB 6220 :GOTO 1249
1175 IF YY=200005! THEN 1177
1176 GOSUB 6420 :GOSUB 6290 :GOSUB 6320 :GOTO 1249
1177 GOSUB 6410 :GOSUB 6340 :GOTO 1249
1180 IF YY=300005! THEN 1182
1181 GOSUB 6400 :GOSUB 6250 :GOSUB 6280 :GOTO 1249
1182 GOSUB 6420 :GOSUB 6300 :GOTO 1249
1185 IF YY=400005! THEN 1187
1186 GOSUB 6200 :GOSUB 6240 :GOSUB 6210 :GOTO 1249
1187 GOSUB 6400 :GOSUB 6260 :GOTO 1249
1190 ON N11 GOTO 1191,1195,1200,1205
1191 IF YY=1005 THEN 1193
1192 GOSUB 6240 :GOSUB 6200 :GOTO 1249 6210
1193 GOSUB 6410 :GOSUB 6220 :GOTO 1249
1195 IF YY=2005 THEN 1197
1196 GOSUB 6400 :GOSUB 6290 :GOSUB 6320 :GOTO 1249
1197 GOSUB 6420 :GOSUB 6340 :GOTO 1249
1200 IF YY=3005 THEN 1202
1201 GOSUB 6250 :GOSUB 6280 :GOTO 1249
1202 GOSUB 6400 :GOSUB 6300 :GOTO 1249
1205 IF YY=4005 THEN 1207
1206 GOSUB 6400 :GOSUB 6280 :GOSUB 6250 :GOSUB 6290 :GOTO 1249
1207 GOSUB 6260 :GOTO 1249
1210 ON N11 GOTO 1211,1215,1220,1225
```

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1212 GOSUB 6330 :GOSUB 6200 :GOTO 1249
1213 GOSUB 6400 :GOSUB 6220 :GOTO 1249
1215 IF YY=205 THEN 1217
1216 GOSUB 6410 :GOSUB 6290 :GOSUB 6320 :GOTO 1249
1217 GOSUB 6340 :GOTO 1249
1220 IF YY=305 THEN 1222
1221 GOSUB 6420 :GOSUB 6250 :GOSUB 6280 :GOTO 1249
1222 GOSUB 6410 :GOSUB 6300 :GOTO 1249
1225 IF YY=405 THEN 1228
1226 GOSUB 6400 :GOSUB 6210 :GOSUB 6240
1227 GOSUB 6200 :GOTO 1249
1228 GOSUB 6260 :GOTO 1249
1230 ON N11 GOTO 1231,1235,1240,1245
1231 IF YY=10005 THEN 1233
1232 GOSUB 6400 :GOSUB 6330 :GOSUB 6200 :GOTO 1249
1233 GOSUB 6420 :GOSUB 6220 :GOTO 1249
1235 IF YY=10005 THEN 1237
1236 GOSUB 6290 :GOSUB 6320 :GOTO 1249
1237 GOSUB 6400 :GOSUB 6340 :GOTO 1249
1240 IF YY=30005 THEN 1242
1241 GOSUB 6410 :GOSUB 6250 :GOSUB 6280 :GOTO 1249
1242 GOSUB 6300 :GOTO 1249
1245 IF YY=40005! THEN 1247
1246 GOSUB 6400 :GOSUB 6250 :GOSUB 6410 :GOTO 1249
1247 GOSUB 6410 :GOSUB 6260 :GOTO 1249
1249 ON N11 GOTO 1250,1251,1252,1253
1250 PRINT TAB(25);DD(2,1) :GOTO 1254
1251 PRINT TAB(25);DD(6,1) :GOTO 1254
1252 PRINT TAB(25);DD(8,1) :GOTO 1254
1253 PRINT TAB(25);DD(4,1) :GOTO 1254
1254 NEXT N11
1255 PRINT :PRINT "LEVEL 1 EDGES COMPLETE"
1260 ZZ(1)=220 :ZZ(2)=210 :ZZ(3)=230 :ZZ(4)=260
1265 FOR N12=1 TO 4 :FOR M12=1 TO 27
1270 IF DD(M12,2)=ZZ(N12) THEN 1280
1275 NEXT M12
1280 YY=DD(M12,1) :PRINT TAB(10);ZZ(N12);TAB(15);M12;TAB(20);YY
1285 IF M12=1 THEN 1300
1286 IF M12=3 THEN 1310
1287 IF M12=7 THEN 1330
1288 IF M12=9 THEN 1380
1289 IF M12=19 THEN 1410
1290 IF M12=21 THEN 1450
1291 IF M12=25 THEN 1490
1292 IF M12=27 THEN 1530
1300 ON N12 GOTO 1301,9496,9496,9496
1301 IF YY=104050! THEN 1580
1302 IF YY=501040! THEN 1306
1303 GOSUB 6250 :GOSUB 6410 :GOSUB 6240
1304 GOSUB 6420 :GOSUB 6200 :GOSUB 6410
1305 GOSUB 6210 :GOTO 1580
1306 GOSUB 6200 :GOSUB 6400 :GOSUB 6210
1307 GOSUB 6420 :GOSUB 6250 :GOSUB 6400
1308 GOSUB 6240 :GOTO 1580
1310 ON N12 GOTO 1311,1320,9496,9496
1311 IF YY=100540! THEN 1315
1312 IF YY=400150! THEN 1317
1313 GOSUB 6210 :GOSUB 6420 :GOSUB 6220
1314 GOSUB 6410 :GOSUB 6210 :GOTO 1580
1315 GOSUB 6320 :GOSUB 6250 :GOSUB 6400
1316 GOSUB 6240 :GOSUB 6330 :GOTO 1580
1317 GOSUB 6210 :GOSUB 6410 :GOSUB 6200
1318 GOSUB 6250 :GOSUB 6420 :GOSUB 6240 :GOTO 1580
1320 IF YY=100250! THEN 1580
1321 IF YY=500120! THEN 1324

```

LEVEL 1
EDGES



LEVEL 1
CORNERS



} Locate target cell.

F U F-
U Z L - U
L
OK

1322 GOSUB 6320 :GOSUB 6420 :GOSUB 6330
1323 GOSUB 6210 :GOSUB 6420 :GOSUB 6200 :GOTO 1580
1324 GOSUB 6210 :GOSUB 6420 :GOSUB 6200
1325 GOSUB 6320 :GOSUB 6420 :GOSUB 6330 :GOTO 1580
1330 ON N12 GOTO 1331,1350,1360,1370
1331 IF YY=15040 THEN 1336
1332 IF YY=41050! THEN 1339
1333 GOSUB 6290 :GOSUB 6410 :GOSUB 6280
1334 GOSUB 6400 :GOSUB 6200 :GOSUB 6410
1335 GOSUB 6210 :GOTO 1580
1336 GOSUB 6240 :GOSUB 6400 :GOSUB 6260
1337 GOSUB 6420 :GOSUB 6240 :GOTO 1580
1339 GOSUB 6240 :GOSUB 6400 :GOSUB 6250
1340 GOSUB 6200 :GOSUB 6260^X :GOSUB 6210 :GOTO 1580 6420
1350 IF YY=12050! THEN 1354
1351 IF YY=51020! THEN 1356
1352 GOSUB 6240 :GOSUB 6210 :GOSUB 6420
1353 GOSUB 6200 :GOSUB 6250 :GOTO 1580
1354 GOSUB 6240 :GOSUB 6320 :GOSUB 6420
1355 GOSUB 6330 :GOSUB 6250 :GOTO 1580
1356 GOSUB 6290 :GOSUB 6320 :GOSUB 6420
1357 GOSUB 6330 :GOSUB 6280 :GOTO 1580
1360 IF YY=23050 THEN 1364
1361 IF YY=35020! THEN 1367
1362 GOSUB 6290 :GOSUB 6410 :GOSUB 6300
1363 GOSUB 6420 :GOSUB 6290 :GOTO 1580
1364 GOSUB 6240 :GOSUB 6420 :GOSUB 6250
1365 GOSUB 6280 :GOSUB 6410 :GOSUB 6290 :GOTO 1580
1367 GOSUB 6240 :GOSUB 6330 :GOSUB 6400
1368 GOSUB 6320 :GOSUB 6250 :GOTO 1580
1370 IF YY=34050! THEN 1580
1371 IF YY=53040! THEN 1374
1372 GOSUB 6240 :GOSUB 6420 :GOSUB 6280
1373 GOSUB 6290 :GOSUB 6420 :GOSUB 6280 :GOTO 1580
1374 GOSUB 6290 :GOSUB 6420 :GOSUB 6280
1375 GOSUB 6240 :GOSUB 6420 :GOSUB 6250 :GOTO 1580
1380 ON N12 GOTO 1381,1390,1400,9496
1381 IF YY=50140! THEN 1385
1382 IF YY=10450! THEN 1387
1383 GOSUB 6330 :GOSUB 6200 :GOSUB 6420
1384 GOSUB 6210 :GOSUB 6320 :GOTO 1580
1385 GOSUB 6280 :GOSUB 6250 :GOSUB 6420
1386 GOSUB 6240 :GOSUB 6290 :GOTO 1580
1387 GOSUB 6330 :GOSUB 6250 :GOSUB 6420
1388 GOSUB 6240 :GOSUB 6320 :GOTO 1580
1390 IF YY=20150! THEN 1394
1391 IF YY=50210! THEN 1396
1392 GOSUB 6330 :GOSUB 6420 :GOSUB 6340
1393 GOSUB 6410 :GOSUB 6330 :GOTO 1580
1394 GOSUB 6280 :GOSUB 6420 :GOSUB 6290
1395 GOSUB 6320 :GOSUB 6410 :GOSUB 6330 :GOTO 1580
1396 GOSUB 6280 :GOSUB 6410 :GOSUB 6210
1397 GOSUB 6420 :GOSUB 6200 :GOSUB 6290 :GOTO 1580
1400 IF YY=30250! THEN 1580
1401 IF YY=50320! THEN 1404
1402 GOSUB 6330 :GOSUB 6420 :GOSUB 6320
1403 GOSUB 6280 :GOSUB 6420 :GOSUB 6290 :GOTO 1580
1404 GOSUB 6280 :GOSUB 6420 :GOSUB 6290
1405 GOSUB 6330 :GOSUB 6420 :GOSUB 6320 :GOTO 1580
1410 ON N12 GOTO 1411,1420,1430,1440
1411 IF YY=504001! THEN 1415
1412 IF YY=401005! THEN 1417
1413 GOSUB 6400 :GOSUB 6200 :GOSUB 6410
1414 GOSUB 6210 :GOTO 1580
1415 GOSUB 6410 :GOSUB 6250 :GOSUB 6400
1416 GOSUB 6240 :GOTO 1580

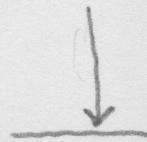
LEVEL
CODE

1417 GOSUB 6250 :GOSUB 6400 :GOSUB 6240
1418 GOSUB 6200 :GOSUB 6420 :GOSUB 6210 :GOTO 1580
1420 IF YY=102005! THEN 1424
1421 IF YY=205001! THEN 1426
1422 GOSUB 6420 :GOSUB 6210 :GOSUB 6400
1423 GOSUB 6200 :GOTO 1580
1424 GOSUB 6410 :GOSUB 6320 :GOSUB 6420 6410 430 2 L R - V - R U - R - / 6420 6240
1425 GOSUB 6210 :GOTO 1580 6420 6200 F - VZ F 0
1426 GOSUB 6320 :GOSUB 6410 :GOSUB 6330 :GOTO 1580
1430 IF YY=203005! THEN 1433
1431 IF YY=305002! THEN 1436
1432 GOSUB 6330 :GOSUB 6420 :GOSUB 6320 :GOTO 1580
1433 GOSUB 6420 :GOSUB 6330 :GOSUB 6400
1434 GOSUB 6320 :GOSUB 6280 :GOSUB 6420
1435 GOSUB 6290 :GOTO 1580
1436 GOSUB 6280 :GOSUB 6420 :GOSUB 6290 :GOTO 1580
1440 IF YY=503004! THEN 1445
1441 IF YY=405003! THEN 1446
1442 GOSUB 6400 :GOSUB 6240 :GOSUB 6410
1443 GOSUB 6250 :GOSUB 6290 :GOSUB 6420
1444 GOSUB 6280 :GOTO 1580
1445 GOSUB 6290 :GOSUB 6400 :GOSUB 6280 :GOTO 1580
1446 GOSUB 6420 :GOSUB 6240 :GOSUB 6410
1447 GOSUB 6250 :GOTO 1580
1450 ON N12 GOTO 1451,1460,1470,1480
1451 IF YY=400501! THEN 1455
1452 IF YY=500104! THEN 1457
1453 GOSUB 6400 :GOSUB 6250 :GOSUB 6400
1454 GOSUB 6240 :GOSUB 6200 :GOSUB 6420
1455 GOSUB 6210 :GOTO 1580
1456 GOSUB 6250 :GOSUB 6400 :GOSUB 6240 :GOTO 1580
1457 GOSUB 6420 :GOSUB 6200 :GOSUB 6410
1458 GOSUB 6210 :GOTO 1580
1460 IF YY=500201! THEN 1464
1461 IF YY=100502! THEN 1466
1462 GOSUB 6320 :GOSUB 6410 :GOSUB 6330 3 R U - R - 01C
1463 GOSUB 6210 :GOSUB 6420 :GOSUB 6200 :GOTO 1580 } F - VZ F
1464 GOSUB 6400 :GOSUB 6320 :GOSUB 6410
1465 GOSUB 6330 :GOTO 1580
1466 GOSUB 6410 :GOSUB 6210 :GOSUB 6400
1467 GOSUB 6200 :GOTO 1580
1470 IF YY=500302! THEN 1475
1471 IF YY=200503! THEN 1476
1472 GOSUB 6410 :GOSUB 6280 :GOSUB 6410
1473 GOSUB 6290 :GOSUB 6330 :GOSUB 6420
1474 GOSUB 6320 :GOTO 1580
1475 GOSUB 6280 :GOSUB 6410 :GOSUB 6290 :GOTO 1580
1476 GOSUB 6420 :GOSUB 6330 :GOSUB 6400
1477 GOSUB 6320 :GOTO 1580
1480 IF YY=500403! THEN 1485
1481 IF YY=300504! THEN 1486
1482 GOSUB 6420 :GOSUB 6240 :GOSUB 6410
1483 GOSUB 6250 :GOSUB 6290 :GOSUB 6420
1484 GOSUB 6280 :GOTO 1580
1485 GOSUB 6240 :GOSUB 6420 :GOSUB 6250 :GOTO 1580
1486 GOSUB 6290 :GOSUB 6420 :GOSUB 6280 :GOTO 1580
1490 ON N12 GOTO 1491,1500,1510,1520
1491 IF YY=51004! THEN 1496
1492 IF YY=45001! THEN 1497
1493 GOSUB 6410 :GOSUB 6250 :GOSUB 6400
1494 GOSUB 6240 :GOSUB 6200 :GOSUB 6420
1495 GOSUB 6210 :GOTO 1580
1496 GOSUB 6200 :GOSUB 6410 :GOSUB 6210 :GOTO 1580
1497 GOSUB 6420 :GOSUB 6250 :GOSUB 6400
1498 GOSUB 6240 :GOTO 1580
1500 IF YY=52001! THEN 1505

1501 IF YY=15002! THEN 1506
1502 GOSUB 6240 :GOSUB 6320 :GOSUB 6410 :
1503 GOSUB 6330 :GOSUB 6210 :GOSUB 6420
1504 GOSUB 6200 :GOTO 1580
1505 GOSUB 6320 :GOSUB 6420 :GOSUB 6330 :GOTO 1580
1506 GOSUB 6210 :GOSUB 6420 :GOSUB 6200 :GOTO 1580
1510 IF YY=25003! THEN 1515
1511 IF YY=53002! THEN 1516
1512 GOSUB 6400 :GOSUB 6330 :GOSUB 6400
1513 GOSUB 6320 :GOSUB 6280 :GOSUB 6420
1514 GOSUB 6290 :GOTO 1580
1515 GOSUB 6330 :GOSUB 6400 :GOSUB 6320 :GOTO 1580
1516 GOSUB 6420 :GOSUB 6280 :GOSUB 6410
1517 GOSUB 6290 :GOTO 1580
1520 IF YY=35004! THEN 1524
1521 IF YY=54003! THEN 1526
1522 GOSUB 6240 :GOSUB 6410 :GOSUB 6250
1523 GOSUB 6290 :GOSUB 6420 :GOSUB 6280 :GOTO 1580
1524 GOSUB 6410 :GOSUB 6290 :GOSUB 6400
1525 GOSUB 6280 :GOTO 1580
1526 GOSUB 6400 :GOSUB 6240 :GOSUB 6410
1527 GOSUB 6250 :GOTO 1580
1530 ON N12 GOTO 1531,1540,1550,1560
1531 IF YY=10504! THEN 1536
1532 IF YY=50401! THEN 1537
1533 GOSUB 6420 :GOSUB 6250 :GOSUB 6400
1534 GOSUB 6240 :GOSUB 6200 :GOSUB 6420
1535 GOSUB 6210 :GOTO 1580
1536 GOSUB 6200 :GOSUB 6420 :GOSUB 6210 :GOTO 1580
1537 GOSUB 6250 :GOSUB 6420 :GOSUB 6240 :GOTO 1580
1540 IF YY=50102! THEN 1545
1541 IF YY=20501! THEN 1546
1542 GOSUB 6400 :GOSUB 6320 :GOSUB 6410 :
1543 GOSUB 6330 :GOSUB 6210 :GOSUB 6420 :
1544 GOSUB 6200 :GOTO 1580 :
1545 GOSUB 6210 :GOSUB 6400 :GOSUB 6200 :GOTO 1580
1546 GOSUB 6420 :GOSUB 6320 :GOSUB 6410
1547 GOSUB 6330 :GOTO 1580
1550 IF YY=30502! THEN 1554
1551 IF YY=50203! THEN 1556
1552 GOSUB 6330 :GOSUB 6400 :GOSUB 6320
1553 GOSUB 6280 :GOSUB 6420 :GOSUB 6290 :GOTO 1580
1554 GOSUB 6400 :GOSUB 6280 :GOSUB 6410
1555 GOSUB 6290 :GOTO 1580
1556 GOSUB 6410 :GOSUB 6330 :GOSUB 6400
1557 GOSUB 6320 :GOTO 1580
1560 IF YY=50304! THEN 1565
1561 IF YY=40503! THEN 1567
1562 GOSUB 6410 :GOSUB 6240 :GOSUB 6410
1563 GOSUB 6250 :GOSUB 6290 :GOSUB 6420
1564 GOSUB 6280 :GOTO 1580
1565 GOSUB 6420 :GOSUB 6290 :GOSUB 6400
1566 GOSUB 6280 :GOTO 1580
1567 GOSUB 6240 :GOSUB 6410 :GOSUB 6250 :GOTO 1580
1580 ON N12 GOTO 1581,1582,1583,1584
1581 PRINT TAB(25);DD(1,1) :GOTO 1586
1582 PRINT TAB(25);DD(3,1) :GOTO 1586
1583 PRINT TAB(25);DD(9,1) :GOTO 1586
1584 PRINT TAB(25);DD(7,1) :GOTO 1586
1586 NEXT N12
1587 PRINT :PRINT "LEVEL 1 EDGES & CORNERS COMPLETE"
1600 ZZ(1)=104 :ZZ(2)=102 :ZZ(3)=106 :ZZ(4)=112
1605 FOR N21=1 TO 4 :FOR M21=1 TO 27
1610 IF DD(M21,2)=ZZ(N21) THEN 1620
1615 NEXT M21
1620 YY=DD(M21,1) :PRINT TAB(10);ZZ(N21);TAB(15);M21;TAB(20);YY
1625 TE M21=10 THEN 1635

U2 R U-
R- F- U2
F

LEVEL
CORNERS



LEVEL

EDGE

1625 IF M21=10 THEN 1635
1626 IF M21=12 THEN 1640
1627 IF M21=16 THEN 1660
1628 IF M21=18 THEN 1700
1629 ON N21 GOSUB 5860,5800,5820,5840
1630 GOTO 1725
1635 IF YY=104000! THEN 1725
1636 GOSUB 5750 :GOSUB 6400 :GOSUB 5750 :GOTO 1725
1640 ON N21 GOTO 1641,1650
1641 GOSUB 5800
1642 IF DD(24,1)=104 THEN 1646
1643 IF DD(24,1)=401 THEN 1647
1644 IF DD(26,1)=10004 THEN 1648
1645 IF DD(26,1)=40001! THEN 1649 ELSE 9496
1646 GOSUB 5752 :GOTO 1725
1647 GOSUB 6400 :GOSUB 5750 :GOTO 1725
1648 GOSUB 6400 :GOSUB 5752 :GOTO 1725
1649 GOSUB 6420 :GOSUB 5750 :GOTO 1725
1650 IF YY=100200! THEN 1725
1651 GOSUB 5755 :GOSUB 6400 :GOSUB 5755 :GOTO 1725
1660 ON N21 GOTO 1661,1661,1661,1695
1661 GOSUB 5840
1662 ON N21 GOTO 1665,1675,1685
1665 IF DD(22,1)=4001 THEN 1669
1666 IF DD(22,1)=1004 THEN 1670
1667 IF DD(20,1)=400001! THEN 1671
1668 IF DD(20,1)=100004! THEN 1672 ELSE 9496
1669 GOSUB 6410 :GOSUB 5750 :GOTO 1725
1670 GOSUB 6420 :GOSUB 5752 :GOTO 1725
1671 GOSUB 5750 :GOTO 1725
1672 GOSUB 6410 :GOSUB 5752 :GOTO 1725
1675 IF DD(22,1)=1002 THEN 1679
1676 IF DD(22,1)=2001 THEN 1680
1677 IF DD(20,1)=100002! THEN 1681
1678 IF DD(20,1)=200001! THEN 1682 ELSE 9496
1679 GOSUB 6420 :GOSUB 5755 :GOTO 1725
1680 GOSUB 6400 :GOSUB 5757 :GOTO 1725
1681 GOSUB 6410 :GOSUB 5755 :GOTO 1725
1682 GOSUB 6420 :GOSUB 5757 :GOTO 1725
1685 IF DD(22,1)=2003 THEN 1689
1686 IF DD(22,1)=3002 THEN 1690
1687 IF DD(20,1)=200003! THEN 1691
1688 IF DD(20,1)=300002! THEN 1692 ELSE 9496
1689 GOSUB 6400 :GOSUB 5760 :GOTO 1725
1690 GOSUB 5762 :GOTO 1725
1691 GOSUB 6420 :GOSUB 5760 :GOTO 1725
1692 GOSUB 6400 :GOSUB 5762 :GOTO 1725
1695 IF YY=34000! THEN 1725
1696 GOSUB 5765 :GOSUB 6400 :GOSUB 5765 :GOTO 1725
1700 ON N21 GOTO 1701,1701,1719,9496
1701 GOSUB 5820
1702 ON N21 GOTO 1703,1711,9496,9496
1703 IF DD(26,1)=40001! THEN 1707
1704 IF DD(26,1)=10004! THEN 1708
1705 IF DD(22,1)=4001 THEN 1709
1706 IF DD(22,1)=1004 THEN 1710
1707 GOSUB 6420 :GOSUB 5750 :GOTO 1725
1708 GOSUB 6400 :GOSUB 5752 :GOTO 1725
1709 GOSUB 6410 :GOSUB 5750 :GOTO 1725
1710 GOSUB 6420 :GOSUB 5752 :GOTO 1725
1711 IF DD(26,1)=20001 THEN 1715
1712 IF DD(26,1)=10002 THEN 1716
1713 IF DD(22,1)=2001 THEN 1717
1714 IF DD(22,1)=1002 THEN 1718
1715 GOSUB 5757 :GOTO 1725
1716 GOSUB 6410 :GOSUB 5755 :GOTO 1725