

==< SOLCUBE.BAS >== \*\*\* PROGRAM LIST \*\*\* DATE 01/06/84

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*V = btest1  
X = btest2  
Y = btest3  
Z = btest4*

*PAGE 2  
B = atest5  
O = btest5  
P = btest6  
Q = btest7*

*= aRight*

*X = celloc*

*X = atest1*

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550 IF V=1 AND X=1 AND Y=1 AND Z=1 THEN 710  
560 O=0:P=0:Q=0:IF B=D(5) OR B=D(10) OR B=D(12) OR B=D(14) THEN O=1  
570 IF B=D(21) OR B=D(16) OR B=D(50) THEN P=1  
580 IF B=D(41) AND X>D(10) THEN Q=1  
590 IF O=1 OR P=1 OR Q=1 THEN 610  
600 GOSUB 3010:GOTO 510  
610 IF V=1 AND Y=1 AND Z=1 THEN 650  
620 IF Y=1 AND Z=1 THEN M=12:N=M:GOSUB 3510:GOTO 650  
630 IF Y=1 THEN M=32:N=33:GOSUB 3510:GOTO 650  
640 M=6:N=M:GOSUB 3510  
650 X=D(9):IF B=D(10) AND X=D(41) THEN M=162:N=170:GOSUB 3510:GOTO 510  
655 IF B=D(5) AND X=D(12) THEN M=171:N=175:GOSUB 3510:GOTO 510  
660 IF B=D(12) AND X=D(5) THEN M=176:N=181:GOSUB 3510:GOTO 510  
665 IF B=D(50) AND X=D(16) THEN M=182:N=192:GOSUB 3510:GOTO 510  
670 IF B=D(16) AND X=D(50) THEN M=193:N=196:GOSUB 3510:GOTO 510  
675 IF B=D(21) AND X=D(14) THEN M=197:N=201:GOSUB 3510:GOTO 510  
680 IF B=D(14) AND X=D(21) THEN M=202:N=207:GOSUB 3510:GOTO 510  
685 IF B=D(41) AND X>D(10) THEN M=208:N=211:GOSUB 3510:GOTO 510  
690 IF B=D(10) AND X>D(41) THEN M=208:N=211:GOSUB 3510  
695 GOTO 510  
700 REM \*\* HOEKEN BOVEN ETAGE  
710 B=D(40):O=0:P=0:Q=0:R=0  
715 IF B=D(36) AND B=D(38) AND B=D(42) AND B=D(44) THEN O=1  
720 IF D(O)=D(2) THEN P=1  
725 IF D(9)=D(11) THEN Q=1  
730 IF D(18)=D(20) THEN R=1  
735 IF O=1 AND P=1 AND Q=1 AND R=1 THEN 1010  
740 O=0:IF B=D(38) AND B=D(42) AND B=D(44) THEN O=1  
745 IF O=1 AND P=1 AND Q=1 THEN M=32:N=33:GOSUB 3510:GOTO 800  
750 O=0:IF B=D(38) AND B=D(44) THEN O=1  
755 IF O=1 AND Q=1 THEN M=32:N=33:GOSUB 3510:GOTO 800  
760 O=0:IF B=D(42) AND B=D(44) THEN O=1  
765 IF O=1 AND P=1 THEN M=6:N=M:GOSUB 3510:GOTO 800  
770 O=0:IF B=D(36) AND B=D(38) THEN O=1  
775 IF O=1 AND R=1 THEN M=12:N=M:GOSUB 3510:GOTO 800  
780 IF B>D(44) THEN 800  
785 IF B>D(38) THEN M=6:N=M:GOSUB 3510:GOTO 800  
790 IF B>D(42) THEN M=12:N=M:GOSUB 3510:GOTO 800  
795 IF B>D(36) THEN M=32:N=33:GOSUB 3510  
800 IF B=D(8) OR B=D(15) OR B=D(47) THEN 880  
805 IF B=D(17) OR B=D(24) OR B=D(53) THEN M=8:N=M:GOSUB 3510:GOTO 880  
810 IF B=D(6) OR B=D(35) OR B=D(45) THEN M=69:N=M:GOSUB 3510:GOTO 880  
815 IF B=D(26) OR B=D(33) OR B=D(51) THEN M=116:N=117:GOSUB 3510:GOTO 880  
870 M=65:N=66:GOSUB 3510:GOTO 710  
880 IF B=D(8) THEN M=145:N=147:GOSUB 3510:GOTO 710  
885 IF B=D(15) THEN M=148:N=150:GOSUB 3510:GOTO 710  
890 IF B=D(47) THEN M=151:N=158:GOSUB 3510  
895 GOTO 710

1000 REM \*\*\* MIDDEN ETAGE

1010 V=D(4):X=D(13):Y=D(22):Z=D(31):O=0:P=0:Q=0:R=0:S=0  
1015 IF V=D(1) AND X=D(10) AND Y=D(19) THEN O=1  
1020 IF V=D(3) AND V=D(5) THEN P=1  
1025 IF X=D(12) AND X=D(14) THEN Q=1  
1030 IF Y=D(21) AND Y=D(23) THEN R=1  
1035 IF Z=D(30) AND Z=D(32) THEN S=1  
1040 IF O=1 AND P=1 AND Q=1 AND R=1 AND S=1 THEN 1510  
1050 IF V=D(10) THEN M=6:N=M:GOSUB 3510:GOTO 1010

*O = btest1; P = btest2;  
Q = btest3; R = btest4; S = btest5*

1060 IF V=D(28) THEN M=12:N=M:GOSUB 3510:GOTO 1010  
 1070 IF V=D(19) THEN M=32:N=33:GOSUB 3510:GOTO 1010  
 1080 IF P=1 AND X=D(12) AND Z=D(32) THEN 1460  
 1100 O=D(7):P=D(16):Q=D(25):R=D(34)  
 1110 IF V=0 AND X=D(46) THEN 1410  
 1120 IF V=0 AND Z=D(46) THEN 1420  
 1130 IF V=P AND X=D(50) THEN M=8:N=M:GOSUB 3510:GOTO 1410  
 1140 IF V=P AND Z=D(50) THEN M=8:N=M:GOSUB 3510:GOTO 1420  
 1150 IF V=Q AND X=D(52) THEN M=116:N=117:GOSUB 3510:GOTO 1410  
 1160 IF V=Q AND Z=D(52) THEN M=116:N=117:GOSUB 3510:GOTO 1420  
 1170 IF V=R AND X=D(48) THEN M=69:N=M:GOSUB 3510:GOTO 1410  
 1180 IF V=R AND Z=D(48) THEN M=69:N=M:GOSUB 3510:GOTO 1420  
 1210 IF X=0 AND V=D(46) THEN 1460  
 1215 IF X=0 AND Y=D(46) THEN 1460  
 1220 IF X=P AND V=D(50) THEN 1460  
 1225 IF X=P AND Y=D(50) THEN 1460  
 1230 IF X=Q AND V=D(52) THEN 1460  
 1235 IF X=Q AND Y=D(52) THEN 1460  
 1240 IF X=R AND V=D(48) THEN 1460  
 1245 IF X=R AND Y=D(48) THEN 1460  
 1250 IF Z=0 AND V=D(46) THEN 1470  
 1255 IF Z=0 AND Y=D(46) THEN 1470  
 1260 IF Z=P AND V=D(50) THEN 1470  
 1265 IF Z=P AND Y=D(50) THEN 1470  
 1270 IF Z=Q AND V=D(52) THEN 1470  
 1275 IF Z=Q AND Y=D(52) THEN 1470  
 1280 IF Z=R AND V=D(48) THEN 1470  
 1285 IF Z=R AND Y=D(48) THEN 1470  
 1290 IF Y=0 AND X=D(46) THEN 1480  
 1295 IF Y=0 AND Z=D(46) THEN 1480  
 1300 IF Y=P AND X=D(50) THEN 1480  
 1305 IF Y=P AND Z=D(50) THEN 1480  
 1310 IF Y=Q AND X=D(52) THEN 1480  
 1315 IF Y=Q AND Z=D(52) THEN 1480  
 1320 IF Y=R AND X=D(48) THEN 1480  
 1325 IF Y=R AND Z=D(48) THEN 1480  
 1360 IF V>D(5) THEN 1410  
 1370 IF V>D(3) THEN 1420  
 1380 GOSUB 3010  
 1410 M=129:N=136:GOSUB 3510:GOTO 1010  
 1420 M=137:N=144:GOSUB 3510:GOTO 1010  
 1460 GOSUB 3010:GOTO 1010 *M6-N8*  
 1470 GOSUB 3110:GOTO 1010 *M157-N161*  
 1480 GOSUB 3210:GOTO 1010 *M212-N217*  
 1500 REM \*\*\* BENEDEN ETAGE  
 1505 REM \*\* HOEKEN OP JUISTE PLAATS  
 1510 Z\$="KUBUS OMMDRAAIEN - VOORVLAK BLIJFT VOORAAN"  
 1512 M=0:N=5:GOSUB 3520  
 1515 V=D(4):X=D(13):Y=D(22):Z=D(31)  
 1520 O=0:P=0:Q=0:R=0:IF V=D(2) OR V=D(9) OR V=D(44) THEN O=1  
 1525 IF X=D(2) OR X=D(9) OR X=D(44) THEN P=1  
 1530 IF X=D(11) OR X=D(18) OR X=D(38) THEN Q=1  
 1535 IF V=D(0) OR V=D(29) OR V=D(42) THEN R=1  
 1540 IF O=1 AND P=1 AND Q=1 AND R=1 THEN 1610  
 1545 IF O=1 AND P=1 THEN 1560  
 1550 O=0:IF V=D(11) OR V=D(18) OR V=D(38) THEN O=1  
 1552 IF O=1 AND Q=1 THEN M=6:N=M:GOSUB 3510:GOTO 1515

$O = F8$   
 $P = R18$

$Q = BA$   
 $R = LE$

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1554 D=0:IF X=D(0) OR X=D(29) OR X=D(42) THEN D=1
1556 IF D=1 AND R=1 THEN M=12:N=M:GOSUB 3510:GOTO 1515
1558 M=32:N=33:GOSUB 3510:GOTO 1515
1560 D=0:P=0:IF V=D(11) OR V=D(18) OR V=D(38) THEN D=1
1565 IF X=D(20) OR X=D(27) OR X=D(36) THEN P=1
1570 IF D=1 AND P=1 THEN M=9:N=16:GOSUB 3510:GOTO 1515
1575 D=0:P=0:IF V=D(20) OR V=D(27) OR V=D(36) THEN D=1
1580 IF X=D(0) OR X=D(29) OR X=D(42) THEN P=1
1582 IF D=1 AND P=1 THEN M=17:N=24:GOSUB 3510:GOTO 1515
1584 D=0:P=0:IF X=D(20) OR X=D(27) OR X=D(36) THEN D=1
1586 IF Z=D(11) OR Z=D(18) OR Z=D(38) THEN P=1
1588 IF D=1 AND P=1 THEN M=25:N=33:GOSUB 3510:GOTO 1515
1590 D=0:P=0:IF V=D(11) OR V=D(18) OR V=D(38) THEN D=1
1592 IF X=D(0) OR X=D(29) OR X=D(42) THEN P=1
1594 IF D=1 AND P=1 THEN M=34:N=40:GOSUB 3510:GOTO 1515
1596 GOSUB 3010:GOTO 1515
1600 REM ** RANDEN OP JUISTE PLAATS
1610 V=D(4):X=D(13):Y=D(22):Z=D(31)
1615 D=0:P=0:Q=0:R=0:IF V=D(1) OR V=D(43) THEN D=1
1620 IF X=D(10) OR X=D(41) THEN P=1
1625 IF Y=D(19) OR Y=D(37) THEN Q=1
1630 IF Z=D(28) OR Z=D(39) THEN R=1
1635 IF D=1 AND P=1 AND Q=1 AND R=1 THEN 1710
1640 D=0:P=0:IF V=D(19) OR V=D(37) THEN D=1
1645 IF Y=D(28) OR Y=D(39) THEN P=1
1650 IF D=1 AND P=1 THEN M=41:N=52:GOSUB 3510:GOTO 1610
1655 D=0:P=0:IF V=D(28) OR V=D(39) THEN D=1
1660 IF Y=D(1) OR Y=D(43) THEN P=1
1665 IF D=1 AND P=1 THEN M=53:N=64:GOSUB 3510:GOTO 1610
1670 D=0:P=0:IF V=D(19) OR V=D(37) THEN D=1
1675 IF Y=D(1) OR Y=D(43) THEN P=1
1680 IF D=1 AND P=1 THEN M=65:N=84:GOSUB 3510:GOTO 1610
1685 D=0:P=0:IF V=D(28) OR V=D(39) THEN D=1
1690 IF X=D(19) OR X=D(37) THEN P=1
1692 IF D=1 AND P=1 THEN M=85:N=96:GOSUB 3510
1694 GOSUB 3010:GOTO 1610
1700 REM ** BUITELEN HOEKEN
1710 B=D(40):IF B=D(36) AND B=D(38) AND B=D(42) AND B=D(44) THEN 1810
1715 IF B=D(2) THEN 1735
1720 IF B=D(11) THEN M=6:N=M:GOSUB 3510:GOTO 1735
1725 IF B=D(29) THEN M=12:N=M:GOSUB 3510:GOTO 1735
1730 IF B=D(20) THEN M=32:N=33:GOSUB 3510
1735 M=97:N=102:GOSUB 3510
1740 IF B=D(9) THEN 1760
1745 IF B=D(18) THEN M=6:N=M:GOSUB 3510:GOTO 1760
1750 IF B=D(0) THEN M=12:N=M:GOSUB 3510:GOTO 1760
1755 M=32:N=33:GOSUB 3510
1760 M=103:N=108:GOSUB 3510
1765 IF B=D(36) AND B=D(38) AND B=D(42) AND B=D(44) THEN 1810
1770 M=6:N=M:GOSUB 3510:GOTO 1710
1800 REM ** DRAAIEN RANDEN
1810 B=D(40):V=D(4):X=D(13):Y=D(22):D=0:P=0
1815 IF B=D(37) AND B=D(39) AND B=D(41) AND B=D(43) THEN D=1
1820 IF V=D(1) AND X=D(10) AND Y=D(19) THEN P=1
1825 IF D=1 AND P=1 THEN 2010
1830 IF D=0 THEN 1850
1835 IF V=D(10) THEN M=6:N=M:GOSUB 3510:GOTO 1810

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1840 IF V=D(28) THEN M=12:N=M:GOSUB 3510:GOTO 1810
1845 IF V=D(19) THEN M=32:N=33:GOSUB 3510:GOTO 1810
1850 IF B>D(43) THEN 1890
1860 IF B>D(41) THEN M=6:N=M:GOSUB 3510:GOTO 1890
1870 IF B>D(39) THEN M=12:N=M:GOSUB 3510:GOTO 1890
1880 IF B>D(37) THEN M=32:N=33:GOSUB 3510
1890 M=109:N=118:GOSUB 3510
1910 IF B>D(41) THEN 1950
1920 IF B>D(37) THEN M=6:N=M:GOSUB 3510:GOTO 1950
1930 IF B>D(43) THEN M=12:N=M:GOSUB 3510:GOTO 1950
1940 IF B>D(39) THEN M=32:N=33:GOSUB 3510
1950 M=119:N=128:GOSUB 3510:GOTO 1810
2000 REM *** TEST KUBUS IN LOGISCHE VORM
2005 REM ** TEST V, R, A & L-VLAK
2010 M=6:N=8:FOR I=0 TO 3:IF I>0 THEN H=1:GOSUB 3530:H=0
2020 A=D(0):IF A>D(2) OR A>D(4) OR A>D(6) OR A>D(8) THEN 510
2030 IF A>D(1) OR A>D(3) OR A>D(5) OR A>D(7) THEN 510
2040 NEXT
2100 REM ** TEST B-VLAK
2110 A=D(42):IF A>D(44) OR A>D(40) OR A>D(36) OR A>D(38) THEN 510
2120 IF A>D(43) OR A>D(39) OR A>D(41) OR A>D(37) THEN 510
2310 Z$="LOGISCHE VORM BEREIKT !":GOSUB 9620
2320 Z$="NOG":GOSUB 9630:IF X$="N" THEN 9910 ELSE 310
3000 REM *** SUBR. 1/4 DRAAI NAAR RECHTS
3010 Z$="KUBUS 1/4 DRAAI RECHTS - BOVENVLAK BLIJFT BOVEN "
3020 M=6:N=8:GOSUB 3520:RETURN
3100 REM *** SUBR. 1/4 DRAAI NAAR LINKS
3110 Z$="KUBUS 1/4 DRAAI LINKS - BOVENVLAK BLIJFT BOVEN "
3120 M=159:N=161:GOSUB 3520:RETURN
3200 REM *** SUBR. 1/2 DRAAI
3210 Z$="KUBUS HALVE DRAAI - BOVENVLAK BLIJFT BOVEN "
3220 M=212:N=217:GOSUB 3520:RETURN
3500 REM *** SUBR. DRAAIEN KUBUS
3510 Z$=""!FOR J=M TO N:Z$=Z$+A$(J)+CHR$(32):NEXT
3520 GOSUB 8410
3530 FOR J=M TO N
3610 IF A$(J)="B" THEN 4010
3620 IF A$(J)="-B" THEN 4060
3630 IF A$(J)="O" THEN 4110
3640 IF A$(J)="-O" THEN 4160
3650 IF A$(J)="R" THEN 4210
3660 IF A$(J)="-R" THEN 4260
3670 IF A$(J)="L" THEN 4310
3680 IF A$(J)="-L" THEN 4360
3690 IF A$(J)="V" THEN 4410
3710 IF A$(J)="-V" THEN 4460
3720 IF A$(J)="A" THEN 4510
3730 IF A$(J)="-A" THEN 4560
3740 IF A$(J)="M" THEN 4610
3750 IF A$(J)="-M" THEN 4660
3760 IF A$(J)="M1" THEN 4710
3770 IF A$(J)="-M1" THEN 4760
3780 IF A$(J)="M2" THEN 4810
3790 IF A$(J)="-M2" THEN 4860
3810 RETURN
4000 REM ** RICHTING 1=B
4010 D(0)=C(9):D(1)=C(10):D(2)=C(11):D(3)=C(18):D(4)=C(19):D(5)=C(20)
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4020 D(18)=C(27):D(19)=C(28):D(20)=C(29):D(27)=C(0):D(28)=C(1):D(29)=C(2)
4030 D(42)=C(44):D(43)=C(41):D(44)=C(38):D(41)=C(37):D(58)=C(36)
4040 D(37)=C(39):D(36)=C(42):D(39)=C(43):GOTO 4910
4050 REM ** RICHTING 2=-B
4060 D(0)=C(27):D(1)=C(28):D(2)=C(29):D(9)=C(0):D(10)=C(1):D(11)=C(2)
4070 D(18)=C(9):D(19)=C(10):D(20)=C(11):D(27)=C(18):D(28)=C(19):D(29)=C(20)
4080 D(42)=C(36):D(43)=C(39):D(44)=C(42):D(41)=C(43):D(38)=C(44):D(37)=C(41)
4090 D(36)=C(38):D(39)=C(37):GOTO 4910
4100 REM ** RICHTING 3=0
4110 D(6)=C(33):D(7)=C(34):D(8)=C(35):D(15)=C(6):D(16)=C(7):D(17)=C(8)
4120 D(24)=C(15):D(25)=C(16):D(26)=C(17):D(33)=C(24):D(34)=C(25):D(35)=C(26)
4130 D(45)=C(51):D(46)=C(48):D(47)=C(45):D(50)=C(46):D(53)=C(47):D(52)=C(50)
4140 D(51)=C(53):D(48)=C(52):GOTO 4910
4150 REM ** RICHTING 4=-O
4160 D(6)=C(15):D(7)=C(16):D(8)=C(17):D(15)=C(24):D(16)=C(25):D(17)=C(26)
4170 D(24)=C(33):D(25)=C(34):D(26)=C(35):D(33)=C(6):D(34)=C(7):D(35)=C(8)
4180 D(45)=C(47):D(46)=C(50):D(47)=C(53):D(50)=C(52):D(53)=C(51):D(52)=C(48)
4190 D(51)=C(45):D(48)=C(46):GOTO 4910
4200 REM ** RICHTING 5=R
4210 D(2)=C(47):D(5)=C(50):D(8)=C(53):D(47)=C(24):D(50)=C(21):D(53)=C(18)
4220 D(24)=C(38):D(21)=C(41):D(18)=C(44):D(38)=C(2):D(41)=C(5):D(44)=C(8)
4230 D(9)=C(15):D(12)=C(16):D(15)=C(17):D(16)=C(14):D(17)=C(11):D(14)=C(10)
4240 D(11)=C(9):D(10)=C(12):GOTO 4910
4250 REM ** RICHTING 6=-R
4260 D(2)=C(38):D(5)=C(41):D(8)=C(44):D(47)=C(2):D(50)=C(5):D(53)=C(8)
4270 D(24)=C(47):D(21)=C(50):D(18)=C(53):D(38)=C(24):D(41)=C(21):D(44)=C(18)
4280 D(9)=C(11):D(12)=C(10):D(15)=C(9):D(16)=C(12):D(17)=C(15):D(14)=C(16)
4290 D(11)=C(17):D(10)=C(14):GOTO 4910
4300 REM ** RICHTING 7=L
4310 D(0)=C(36):D(3)=C(39):D(6)=C(42):D(45)=C(0):D(48)=C(3):D(51)=C(6)
4320 D(26)=C(45):D(23)=C(48):D(20)=C(51):D(36)=C(26):D(39)=C(23):D(42)=C(20)
4330 D(29)=C(27):D(32)=C(28):D(35)=C(29):D(34)=C(32):D(33)=C(35):D(30)=C(34)
4340 D(27)=C(33):D(28)=C(30):GOTO 4910
4350 REM ** RICHTING 8=-L
4360 D(0)=C(45):D(3)=C(48):D(6)=C(51):D(45)=C(26):D(48)=C(23):D(51)=C(20)
4370 D(26)=C(36):D(23)=C(39):D(20)=C(42):D(36)=C(0):D(39)=C(3):D(42)=C(6)
4380 D(29)=C(35):D(32)=C(34):D(35)=C(33):D(34)=C(30):D(33)=C(27):D(30)=C(28)
4390 D(27)=C(29):D(28)=C(32):GOTO 4910
4400 REM ** RICHTING 9=V
4410 D(9)=C(42):D(12)=C(43):D(15)=C(44):D(47)=C(9):D(46)=C(12):D(45)=C(15)
4420 D(35)=C(47):D(32)=C(46):D(29)=C(45):D(42)=C(35):D(43)=C(32):D(44)=C(29)
4430 D(0)=C(6):D(3)=C(7):D(6)=C(8):D(7)=C(5):D(8)=C(2):D(5)=C(1)
4440 D(2)=C(0):D(1)=C(3):GOTO 4910
4450 REM ** RICHTING 10=-V
4460 D(9)=C(47):D(12)=C(46):D(15)=C(45):D(47)=C(35):D(46)=C(32):D(45)=C(29)
4470 D(35)=C(42):D(32)=C(43):D(29)=C(44):D(42)=C(9):D(43)=C(12):D(44)=C(15)
4480 D(2)=C(8):D(5)=C(7):D(8)=C(6):D(7)=C(3):D(6)=C(0):D(3)=C(1)
4490 D(0)=C(2):D(1)=C(5):GOTO 4910
4500 REM ** RICHTING 11=A
4510 D(11)=C(53):D(14)=C(52):D(17)=C(51):D(53)=C(33):D(52)=C(30):D(51)=C(27)
4520 D(33)=C(36):D(30)=C(37):D(27)=C(38):D(36)=C(11):D(37)=C(14):D(38)=C(17)
4530 D(18)=C(24):D(21)=C(25):D(24)=C(26):D(25)=C(23):D(26)=C(20):D(23)=C(19)
4540 D(20)=C(18):D(19)=C(21):GOTO 4910
4550 REM ** RICHTING 12=-A
4560 D(11)=C(36):D(14)=C(37):D(17)=C(38):D(53)=C(11):D(52)=C(14):D(51)=C(17)
4570 D(33)=C(53):D(30)=C(52):D(27)=C(51):D(36)=C(33):D(37)=C(30):D(38)=C(27)
4580 D(20)=C(26):D(23)=C(25):D(26)=C(24):D(25)=C(21):D(24)=C(18):D(21)=C(19)

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4590 D(18)=C(20):D(19)=C(23):GOTO 4910
4600 REM ** RICHTING 13=M
4610 D(3)=C(12):D(4)=C(13):D(5)=C(14):D(12)=C(21):D(13)=C(22)
4620 D(14)=C(23):D(21)=C(30):D(22)=C(31):D(23)=C(32):D(30)=C(3)
4630 D(31)=C(4):D(32)=C(5):GOTO 4910
4650 REM ** RICHTING 14=-M
4660 D(3)=C(30):D(4)=C(31):D(5)=C(32):D(12)=C(3):D(13)=C(4)
4670 D(14)=C(5):D(21)=C(12):D(22)=C(13):D(23)=C(14):D(30)=C(21)
4680 D(31)=C(22):D(32)=C(23):GOTO 4910
4700 REM ** RICHTING 15=M1
4710 D(1)=C(46):D(4)=C(49):D(7)=C(52):D(46)=C(25):D(49)=C(22)
4720 D(52)=C(19):D(25)=C(37):D(22)=C(40):D(19)=C(43):D(37)=C(1)
4730 D(40)=C(4):D(43)=C(7):GOTO 4910
4750 REM ** RICHTING 16=-M1
4760 D(1)=C(37):D(4)=C(40):D(7)=C(43):D(46)=C(1):D(49)=C(4)
4770 D(52)=C(7):D(25)=C(46):D(22)=C(49):D(19)=C(52):D(37)=C(25)
4780 D(40)=C(22):D(43)=C(19):GOTO 4910
4800 REM ** RICHTING 17=M2
4810 D(10)=C(39):D(13)=C(40):D(16)=C(41):D(50)=C(10):D(49)=C(13)
4820 D(48)=C(16):D(34)=C(50):D(31)=C(49):D(28)=C(48):D(39)=C(34)
4830 D(40)=C(31):D(41)=C(28):GOTO 4910
4850 REM ** RICHTING 18=-M2
4860 D(10)=C(50):D(13)=C(49):D(16)=C(48):D(50)=C(34):D(49)=C(31)
4870 D(48)=C(28):D(34)=C(39):D(31)=C(40):D(28)=C(41):D(39)=C(10)
4880 D(40)=C(13):D(41)=C(16)
4900 REM ** DISPLAY KLEUREN
4910 FOR I=0 TO E:C(I)=D(I):NEXT:NEXT
4920 IF H=0 THEN GOSUB 8510:GOSUB 8460
4930 RETURN
5000 REM *** DATA ARRAY H(53) - KOLOMNUMMER
5010 DATA 2,8,14,2,8,14,2,8,14,19,22,25,19,22,25,19,22,25
5020 DATA 74,68,62,74,68,62,74,68,62,58,55,52,58,55,52,58,55,52
5030 DATA 9,15,21,6,12,18,3,9,15,54,60,66,57,63,69,60,66,72
5050 REM *** DATA ARRAY V(53) - LIJNNUMMER
5060 DATA 11,11,11,15,15,15,19,19,19,10,7,4,14,11,8,18,15,12
5070 DATA 2,2,2,6,6,6,10,10,10,4,7,10,8,11,14,12,15,18
5080 DATA 2,2,2,5,5,5,8,8,8,20,20,20,17,17,17,14,14,14
5100 REM *** DATA ARRAY F$(53) - FIELD
5110 DATA H,R,H,R,H,R,H,R,H,R,H,R,H,R,H
5120 DATA H,R,H,R,H,R,H,R,H,R,H,R,H,R,H
5130 DATA H,R,H,R,H,R,H,R,H,R,H,R,H,R,H
5150 REM *** DATA ARRAY D(53) - KUBUS IN LOGISCHE VORM
5160 DATA 89,89,89,89,89,89,89,89,79,79,79,79,79,79,79,79,79,79
5170 DATA 87,87,87,87,87,87,87,87,87,87,82,82,82,82,82,82,82,82,82
5180 DATA 66,66,66,66,66,66,66,66,66,66,71,71,71,71,71,71,71,71,71
5200 REM *** DATA ARRAY A$(217) - BEWEGINGEN
5205 REM ** DATA OMDRAAIEN - VOORVLAK BLIJFT VOORAAN
5210 DATA V,V,A,A,M2,M2:REM 0-5
5250 REM ** DATA 1/4 DRAAI RECHTS - BOVENVLAK BLIJFT BOVEN
5260 DATA B,M,-D:REM 6-8
5300 REM ** DATA BENEDEN ETAGE
5310 DATA -L,B,R,-B,L,B,-R,-B:REM 9-16
5320 DATA B,R,-B,-L,B,-R,-B,L:REM 17-24
5330 DATA V,-B,-A,B,-V,-B,A,B,B:REM 25-33
5340 DATA B,V,B,R,-B,-R,-V:REM 34-40
5350 DATA L,L,B,-V,A,L,L,V,-A,B,L,L:REM 41-52
5360 DATA L,L,-B,-V,A,L,L,V,-A,-B,L,L:REM 53-64

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6370 DATA R,R,L,L,O,R,R,L,L,B,B,R,R,L,L,O,R,R,L,L:REM 65-84
6380 DATA R,A,B,-A,-B,R,R,-V,-B,V,B,R:REM 85-96
6390 DATA -R,O,R,V,O,-V:REM 97-102
6410 DATA V,-O,-V,-R,-O,R:REM 103-108
6420 DATA V,B,-O,L,L,B,B,O,O,R:REM 109-118
6430 DATA -R,O,O,B,B,L,L,O,-B,-V:REM 119-128
6450 REM ** DATA MIDDEN ETAGE
6460 DATA -O,-R,O,R,O,V,-O,-V:REM 129-136
6470 DATA O,L,-O,-L,-O,-V,O,V:REM 137-144
6500 REM ** DATA BOVEN ETAGE HOEKEN
6510 DATA V,O,-V:REM 145-147
6520 DATA -R,-O,R:REM 148-150
6530 DATA -R,O,R,O,O,-R,-O,R:REM 151-158
6550 REM ** DATA 1/4 DRAAI LINKS - BOVENVLAK BLIJFT BOVEN
6560 DATA -B,-M,O:REM 159-161
6600 REM ** DATA BOVEN ETAGE RANDEN
6610 DATA -R,-B,O,A,-B,L,-B,O,-V:REM 162-170
6620 DATA -B,-A,B,-O,R:REM 171-175
6630 DATA -B,-B,L,-B,O,-V:REM 176-181
6640 DATA -R,-B,-B,O,O,L,-B,V,-B,O,-R:REM 182-192
6650 DATA -R,-B,O,A:REM 193-196
6660 DATA B,V,-B,-O,-R:REM 197-201
6670 DATA -B,-B,-L,B,-O,A:REM 202-207
6680 DATA -R,-B,O,A:REM 208-211
6700 REM ** DATA 1/2 DRAAI - BOVENVLAK BLIJFT BOVEN
6710 DATA B,B,M,M,O,O:REM 212-217
8000 REM *** SUBR. HOOFDING
8010 PRINT QH=33:QV=0:GOSUB 9710:FLD$="HR":GOSUB 9820:PRINT " S O L C U B E "
     UB 9810:RETURN
8100 REM *** SUBR. DISPLAY KUBUS
8110 QH=9:QV=0:GOSUB 9710:PRINT D$:QH=60:GOSUB 9710:PRINT D$  

8120 PRINT TAB(9);D3$;"!";SPC(31);"/";D1$  

8130 PRINT TAB(8);D3$;"!";SPC(30);"/";D1$  

8140 PRINT TAB(7);D2$;"!";SPC(29);"/";D1$  

8150 PRINT TAB(6);D3$;"! ! B = BOVENVLAK";SPC(13);"/! ! ";D0$  

8160 PRINT TAB(5);D3$;"! ! / R = ZIJVLAK RECHTS      / ! /";D1$  

8170 PRINT TAB(4);D2$;"! / ! V = VOORVLAK";SPC(12);"/ ! /";D1$  

8180 PRINT " ";D3$;"! ! !";SPC(25);"/! ! !";D1$  

8190 PRINT " ";D3$;"! / ! !";SPC(7);;"ACHTERVLAK = A      / ! / ! ";D0$  

8210 PRINT D2$;"! / ! / ! ZIJVLAK LINKS = L      / ! / ! /";D1$  

8220 PRINT D1$;"! ! / ! ONDERVLAK = O      ! ! ! / ";D1$  

8230 PRINT D1$;" / ! ! !";SPC(23);"/ ! ! !";D1$  

8240 PRINT D1$;" / ! / ! !";SPC(23);"/ ! ! / ! !";D0$  

8250 PRINT D0$;" / ! / B = BLAUW";SPC(12);"/ ! ! / ! !";D3$  

8260 PRINT D1$;" ! ! / O = ORANJE";SPC(11);"/ ! ! ! !";D3$  

8270 PRINT D1$;" / ! / Y = GEEL";SPC(13);"/ ! ! !";D2$  

8280 PRINT D1$;" / ! / /";SPC(27);"/ ! ! !";D3$  

8290 PRINT D0$;" ! / !";SPC(19);;"WIT = W      ! ! !";D3$  

8310 PRINT D1$;" / ! /";SPC(19);;"ROOD = R      ! ! !";D2$  

8320 PRINT D1$;" / ! /";SPC(19);;"GROEN = G      ! ! !";D3$  

8330 PRINT D1$;" / ! /";SPC(31);"/ ! !";D3$  

8340 PRINT LEFT$(D0$,18);"/ ! /";SPC(32);"/ ! !";RIGHT$(D2$,18)
8390 RETURN
8400 REM *** SUBR. DISPLAY INTRUKTIE
8410 QH=0:QV=23:GOSUB 9710:FLD$="H":GOSUB 9820:PRINT Z$;:RETURN
8460 QH=LEN(Z$):QV=23:GOSUB 9710:PRINT " --> ";:GOTO 9625
8500 REM *** SUBR. DISPLAY KLEUREN

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==< SOLCUBE.BAS >== \*\*\* PROGRAM LIST \*\*\* DATE 01/06/84

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8510 FOR I=0 TO E:QH=H(I):QV=V(I):GOSUB 9710
8520 FLD$=F$(I):GOSUB 9820:PRINT CHR$(D(I));:GOSUB 9810:NEXT:RETURN
9600 REM *** SUBR. INPUT
9610 QV=23:QH=0:GOSUB 9710:FLD$="HB":GOSUB 9820:PRINT Z$;:GOSUB 9810:X$=INPUT$(1):
    0 9680
9620 QV=23:QH=0:GOSUB 9710:FLD$="H":GOSUB 9820:PRINT Z$;" --> ";
9625 FLD$="HB":GOSUB 9820:PRINT M1$;:GOSUB 9810:X$=INPUT$(1):GOTO 9680
9630 QV=23:QH=0:GOSUB 9710:FLD$="H":GOSUB 9820:PRINT Z$;:FLD$="HB":GOSUB 9820:PRINT
    (Y/N) ? ";:GOSUB 9810
9635 X$=INPUT$(1):IF X$="Y" OR X$="N" THEN 9680 ELSE 9636
9680 QH=0:GOSUB 9710:PRINT SPACE$(79);:RETURN
9700 REM *** LOCATE SUBR.
9710 OUT &H41,&H80:OUT &H40,0:OUT &H40,0:POKE &HE7A1,0:PRINT
9720 OUT &H40,QH:OUT &H40,QV:QD=QV*80+QH
9730 QVV=FIX(QD/256):QHH=QD-(QVV*256):POKE &HE7A2,QHH:POKE &HE7A3,&HE0+QVV:RETURN
9800 REM *** FLD$ SUBR.
9810 QE=&H80:GOTO 9880
9820 QE=&H80:FOR QI=1 TO LEN(FLD$):QX$=MID$(FLD$,QI,1)
9830 IF QX$=CHR$(72) THEN QE=QE+1:GOTO 9870
9840 IF QX$=CHR$(66) THEN QE=QE+2:GOTO 9870
9850 IF QX$=CHR$(82) THEN QE=QE+16
9870 NEXT
9880 QJ!=PEEK(&HE7A3):QK!=PEEK(&HE7A2):QJ!=QJ!*256+QK!:POKE QJ!,QE:QJ!=QJ!+1
9890 QK!=FIX(QJ!/256):QJ!=QJ!-(QK!*256):POKE &HE7A2,QJ!:POKE &HE7A3,QK!:RETURN
9900 REM *** EINDE PROGR.
9910 PRINT C$:END
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\*\* SOLCUBE \*\* ARRAY 'A\$(217)' - INSTRUKTIES

0	V	54	L	108	R	163	-B
1	V	55	-B	109	V	164	O
2	A	56	-V	110	B	165	A
3	A	57	A	111	-O	166	-B
4	M2	58	L	112	L	167	L
5	M2	59	L	113	L	168	-B
6	B	60	V	114	B	169	O
7	M	61	-A	115	B	170	-V
8	-O	62	-B	116	O	171	-B
9	-L	63	L	117	O	172	-A
10	B	64	L	118	R	173	B
11	R	65	R	119	-R	174	-O
12	-B	66	R	120	O	175	R
13	L	67	L	121	O	176	-B
14	B	68	L	122	B	177	-B
15	-R	69	O	123	B	178	L
16	-B	70	R	124	L	179	-B
17	B	71	R	125	L	180	O
18	R	72	L	126	O	181	-V
19	-B	73	L	127	-B	182	-R
20	-L	74	B	128	-V	183	-B
21	B	75	B	129	-O	184	-B
22	-R	76	R	130	-R	185	O
23	-B	77	R	131	O	186	O
24	L	78	L	132	R	187	L
25	V	79	L	133	O	188	-B
26	-B	80	O	134	V	189	V
27	-A	81	R	135	-O	190	-B
28	B	82	R	136	-V	191	O
29	-V	83	L	137	O	192	-R
30	-B	84	L	138	L	193	-R
31	A	85	R	139	-O	194	-B
32	B	86	A	140	-L	195	O
33	B	87	B	141	-O	196	A
34	B	88	-A	142	-V	197	B
35	V	89	-B	143	O	198	V
36	B	90	R	144	V	199	-B
37	R	91	R	145	V	200	-O
38	-B	92	-V	146	O	201	-R
39	-R	93	-B	147	-V	202	-B
40	-V	94	V	148	-R	203	-B
41	L	95	B	149	-O	204	L
42	L	96	R	150	R	205	B
43	B	97	-R	151	-R	206	-O
44	-V	98	O	152	O	207	A
45	A	99	R	153	R	208	-R
46	L	100	V	154	O	209	-B
47	L	101	O	155	O	210	O
48	V	102	-V	156	-R	211	A
49	-A	103	V	157	-O	212	B
50	B	104	-O	158	R	213	B
51	L	105	-V	159	-B	214	M
52	L	106	-R	160	-M	215	M
53	L	107	-O	161	O	216	-O
				162	-R	217	-O

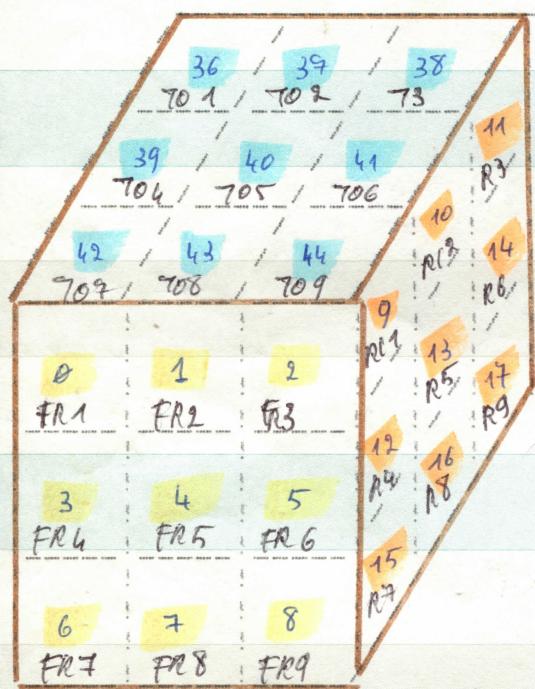
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### SOLCUBE

B = BOVENVLAK

R = ZIJVLAK RECHTS

V = VOORVLAK

ACHTERVLAK = A

ZIJVLAK LINKS = L

ONDERVERLAK = O

B = BLAUW

O = ORANJE

Y = GEEL

WIT = W

ROOD = R

GROEN = G

