

BOULING

2.
3.

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10: RETURN
190 PRINT " (C) JOHN COLLINS": GOTO 4000
200 FOR I=-72 TO 72 STEP 3; CX=I; TV=94; IF TR(1) B=I; I=72
210 NEXT I; GOTO 3000
1500 CLEAR; FOR I=1 TO 11; PRINT # 2, I, ; NEXT I; B=72; Q=0
1504 PRINT; FOR I=42 TO 60 STEP 2; TV=@ (I-1); TV=@ (I)
1505 IF @ (I-1) #88 GOTO 1512
1506 Q=Q+10; IF @ (I+1) #88 GOTO 1510
1507 Q=Q+10; IF @ (I+3) #88 Q=Q+10; GOTO 1518
1508 IF @ (I+3) #32 Q=Q+@ (I+3)-48
1509 GOTO 1518
1510 IF @ (I+2) #47 Q=Q+10; GOTO 1518
1512 IF @ (I) #47 GOTO 1516
1513 Q=Q+10; IF @ (I+1) #88 Q=Q+10; GOTO 1518
1514 IF @ (I+1) #32 Q=Q+@ (I+1)-48
1515 GOTO 1518
1516 IF @ (I) #32 Q=Q+@ (I)-48
1518 NEXT I; FOR I=61 TO 64; TV=@ (I); NEXT I.
1520 PRINT; PRINT #1, "FRAME=", P, "SCORE=", Q
1530 K=0; FOR I=0 TO 3; FOR J=0 TO I
1540 K=K+1; IF @ (K) #1 GOTO 1560
1550 E=@ (K+10); CX=E; F=L*12-30; CY=F; PRINT #1, K, ; BOX E, F, 9, 9, 3
1560 NEXT J; NEXT I; IF C=2 GO SUB 3900; GOTO 1500
1565 CY=-30; PRINT; NT=@; IF P < 11 GOTO 200
1570 IF P=11 IF @ (60) #47 IF C=0 GOTO 200
1575 IF P=11 IF @ (59) #88 GOTO 200
1580 IF P=12 IF @ (59) #88 IF @ (61) #88 IF C=0 GOTO 200
1585 PRINT "HIT GO FOR NEW GAME"; A=KP; GOTO 4000
2000 FOR M=I TO 10; K=@ (20+M+J); @ (K)=0; NEXT M
2010 C=C+1; R=0; FOR I=1 TO 10; R=R+@ (I); NEXT I; R=10-R
2020 IF C=1 IF R=10 @ (39+P*2) #88; C=2; GOTO 2050
2030 IF C=2 IF R=10 @ (40+P*2) #47; GOTO 2050
2040 @ (38+C+P*2) #48+R
2050 GOTO 1500
3000 J=0; IF B < 0 J=10
3010 X=ABS (B); IF X > 46 GOTO 2010
3020 IF @ (1)=0 (X > 12) GOTO 3100
3030 Z=X+3040; GOTO Z
3040 FOR I=1 TO 6; @ (I)=0; NEXT I; @ (8)=0; @ (9)=0; GOTO 2010
3043 I=2; GOTO 2000
3046 I=1; GOTO 2000
3049 I=3; GOTO 2000
3052 IF J=10 @ (2)=0
3062 IF J=0 @ (3)=0
3072 @ (1)=0; I=5; GOTO 2000
3100 IF @ (2)=0 IF J=10 GOTO 3150
3110 IF @ (3)=0 IF J=0 GOTO 3150
3120 IF X < 17 I=5; GOTO 2000
3130 IF X < 20 I=6; GOTO 2000
3140 IF X < 26 I=7; GOTO 2000
3150 IF X < 14 GOTO 2010
3160 IF @ (4)=0 IF J=10 GOTO 3190
3170 IF @ (6)=0 IF J=0 GOTO 3190
3180 IF X < 38 I=8; GOTO 2000
3190 IF X < 44 I=10; GOTO 2000
3200 IF X < 47 @ (7)=0; @ (10)=0; GOTO 2010
3900 PRINT; CY=38; PRINT "TR (1) -> FOR FRAME OR BALL"; IF TR (1) #1 GOTO 3900

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ball

scoring

← 47

Pins

strike

spare

of pins

which

pins

are

hit

↓

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3910 NT=3; P=P+1; FOR K=1 TO 10; @ (K)=1; NEXT K; C=0; RETURN
4000 Q=0; P=0; GO SUB 3900; K=0; FOR I=0 TO 3; FOR J=0 TO I
4010 K=K+1; L=-12xI+24xJ
4020 @ (K+10)=L; NEXT J; NEXT I
4030 @ (21)=7; @ (22)=4; @ (23)=1; @ (24)=2; @ (25)=8
4040 @ (26)=5; @ (27)=3; @ (28)=6; @ (29)=9; @ (30)=10
4050 @ (31)=10; @ (32)=6; @ (33)=1; @ (34)=3; @ (35)=9
4060 @ (36)=5; @ (37)=2; @ (38)=4; @ (39)=8; @ (40)=7
4070 FOR I=41 TO 64; @ (I)=32; NEXT I
4080 GOTO 1500
RUN

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↓
set up
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Use trigger one for new frame

or

stop "ball"

NT=1 ; PRINT ; LIST ; PRINT
"CLEAR ; RUN"