

Line #	Statement(s)	Comments
2		
4		
6	:RETURN;CLEAR	
8	PRINT "78(C) CHECKERS←JOHN COLLINS";GOSUB 3000	
50	FOR U=A TO 89;IF @(U)<4 GO TO 55;A=U;U=89	
55	NEXT U;FOR V=1 TO 8;PRINT V;FOR U=A TO 89;IF @(U)<4 GOTO 910	
60	FOR X=9 TO 11 STEP 2;FOR Q =1 TO -1 STEP -2;IF @(U)=4 Q=-1	
70	B=Q×X;S=U+B;IF @(S)=0 GOTO 900	
75	IF V>2 IF @(S)≠3 GOTO 900	
80	C=B+B;F=Q×20;Z=V×100;J=0; GOSUB Z;IF J=1 GOTO 960	
90	GOTO 900	
100	IF @(U+C)≠3 RETURN	
200	IF @(S)-2>0 RETURN	
220	IF V=1 S=U+C;J=1;RETURN	
230	IF @(U-B)≠3 RETURN	
240	IF @(U-F)>3 S=U-B;U=U-F;J= 1;RETURN	
250	IF @(U-C)>3 S=U-B;U=U-C;J= 1;RETURN	
260	IF @(U-B-F)=3 S=U-B-F;J=1; RETURN	
290	RETURN	
300	IF @(S-F)≠1 RETURN	
310	IF @(S)=3 J=1;RETURN	
320	IF @(S-2×(X-10))=3 S=S-2×(X-10);J=1	

USE OF SHADED AREA IS FOR 2ND OR MORE LINES OF MULTI-LINE STATEMENTS

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Line #	Statement(s)	Comments
330	RETURN	
400	IF @(U+C) = 0 IF @(U) = 4 J = 1	
410	RETURN	
500	IF @(U+C) < 3 RETURN	
510	IF @(U+F) < 3 IF @(U+C-F) = 3 R ETURN	
520	IF @(U+C-F) = 1 IF @(U+F) = 3 R ETURN	
530	GOTO 700	
600	L = 1; IF @(U+C) - 3 < 0 RETURN	
610	IF @(U+F) - 3 < 0 IF @(U+C-F) = 3 RETURN	
620	IF @(U+F) = 3 IF @(U+C-F) = 1 RETURN	
630	L = L + 1; D = @(U + L * B); IF D ≠ 0 RETURN	
640	IF D - 3 > 0 RETURN	
650	IF L ≠ 2 IF D - 3 < 0 J = 1; RETURN	
660	GOTO 630	
700	IF @(U) = 5 RETURN	
800	J = 1; RETURN	
900	NEXT Q; NEXT X	
910	NEXT U; NEXT V	
920	BC = 8; GOSUB 2000; PRINT "YOU WIN"; A = KP; GOTO 8	
960	R = U; Q = -1; NEXT Q; X = 11; NEXT X	
970	V = 8; U = 89; NEXT U; NEXT V; T = - 1; GOTO 1200	
1000	PRINT #1, , R, " → ", S; INPUT "FROM" R; IF S < A A = S	
1010	IF @(R) > 2 GOTO 1000	
1020	IF @(R) = 0 GOTO 1000	
1030	INPUT "TO" S; IF @(S) ≠ 3 GOTO 1000	

USE OF SHADED
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Line #	Statement(s)	Comments
1040	IF @(R)#1 IF R>S GOTO 1000	
1200	IF ((S-R) * (S-R)) < 122 GOTO 1600	
1210	IF T>0 IF @((S+R)÷2) < 4 GOTO 1000	*
1210	J=T; @(S)=@(R); @((S+R)+2)= 3; @(R)=3	
1400	FOR X=9 TO 11 STEP 2	
1410	IF @(S+J*X)=3+T GOTO 1450	
1420	IF @(S+J*X)=3+T+T	*
1430	GOTO 1500	
1450	IF @(S+2*X*J*X)#3 GOTO 1500	
1460	R=S; S=S+2*X*J*X	
1470	X=11; NEXT X; GOTO 1220	
1500	NEXT X; IF (ABS(@(S)-3))=2 IF J=T J=-T; GOTO 1400	
1510	GOTO 1610	
1600	@(S)=@(R); @(R)=3	
1610	IF T>0 IF S>80 @(S)=1	
1620	IF T<0 IF S<20 @(S)=5	
1630	IF T>0 GOTO 50	
1640	T=1; GOSUB 2000; GOTO 1000	
2000	CLEAR; BOX 25, 0, 96, 86, 3	
2010	FOR I=12 TO 89; IF @(I)=0 GOTO 2100	
2020	M=-25+(I-(I÷10)×10)×10	
2030	N=-45+(I÷10)×10	
2040	CX=M-12; CY=N; PRINT #2, I	
2050	IF @(I)#3 BOX M, N, 7, 2, 1	
2060	IF @(I)>3 BOX M, N, 2, 2, 3	
2070	IF ABS(@(I)-3)=2 BOX M, N, 7 4, 3	
2100	NEXT I; RETURN	

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Line #

Statement(s)

Comments

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3000 FOR I= 1 TO 100; @(I)=0;
      NEXT I; FOR I=12 TO 18
      STEP 2
3010 @(I)=2; @(I+11)=2; @(I+20)
      =2; @(I+31)=3; @(I+40)=3
3020 @(I+51)=4; @(I+60)=4;
      @(I+71)=4; NEXT I; A=67
3030 BC=7; FC= 146 ; RETURN

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