

Check box 2 (which is 32), input value, hit "GO" and continue thusly. It must be stressed that you must check for errors before you press "GO" each time. If you make only one error, this program will not function properly!!

Line 1 (Title Line) is absolutely necessary for data in subsequent lines to be accessed (do not delete)!

After you have run the "Parameter Program", and input the data in lines 2 through 7, the next step is to delete lines 100 through 310. This can be accomplished in one of 2 different ways.

1. Lines 280 through 310 comprise a small program that will load lines 1 through 7 on tape. Merely follow the directions that will be printed on your screen. Press "RECORD" on your tape machine and then press "GO" after the leader has cleared the record head. Use :LIST and playback the tape to make sure it has recorded. (Lines 2 through 7, which prior to running the program, contained numbers in sequence, i.e., 12345678, etc., now contain garbage to include such things as "??A#)/??&". Do not think you have done something wrong, the computer is merely trying to print info that does not conform to ASCII Code; you will see many "?" on those lines.) If lines 1 through 7 have loaded on tape, hit "RESET" and input tape, then key in "Connect Four Main Body Program".

OR

2. The only purpose of the "Parameter Program" is to assemble data in lines 1 through 7. Lines 100 through 310 are totally unnecessary after the data has been loaded. After you have completed inputting all the data for lines 2 through 7, you must delete all lines that follow line 7. If you do this, do not bother to input lines 280 through 310 at the beginning (they only apply to loading lines 1 through 7 on tape). After you have deleted all lines except 1 through 7, key in "CONNECT FOUR MAIN BODY Program".

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1 .CONNECT FOUR
2 .12345678901234567890123456789012345678
901234567890123456789012345678901234567
89012345678901234567
3 .12345678901234567890123456789012345678
901234567890123456789012345678901234567
890123456789
4 .12345678901234567890123456789012345678
901234567890123456789012345678901234567
890123456789012345678

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5 .1234567890123456789012345678901234
6 .12345678901234567890123456789012345678
901234567890123456789012345678901234567
8901234
7 .12345678901234567890123456789012345678
9012345678901234567890123456789
100 Z=1;CLEAR ;NT=1
110 Y=1;GOSUB 200+Z*10;IF Z=6GOTO 110
115 IF Z=8GOTO 280
120 PRINT ;FOR N=BTO N+C
130 C=%(N):256
140 R=RM
150 PRINT #1,"LINE #",Z," ",Y,"=",;INPUT "
"V
160 %(N)=256xV+R;Y=Y+1
170 NEXT N;GOTO 110
210 B=-24558;C=96;Z=Z+1;RETURN
220 B=-24457;C=88;Z=Z+1;RETURN
230 B=-24364;C=97;Z=Z+1;RETURN
240 B=-24262;C=33;Z=Z+1;RETURN
250 Z=Z+1;Y=1;FOR A=-24223TO A+82STEP 2
252 PRINT #1,"LINE #6 ",Y,"=",;INPUT ""V
254 %(A)=V;Y=Y+1;NEXT A;RETURN
260 B=-24136;C=68;Z=Z+1;RETURN
270 Z=Z+1;RETURN
280 CLEAR ;PRINT ;PRINT " PARAMETER PROGRA
M";PRINT "COMPLETED. START TAPE";PRINT
"RECORDER ON 'RECORD'.WHEN READY TO LO
AD ON TAPE,
282 PRINT "PRESS 'GO'
290 A=KP;IF A=13GOTO 310
300 GOTO 260
310 :PRINT ;TV=13;LIST ,7;TV=13;:RETURN

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LINE 2

2	32	68	0	3	32	33	1	35
10	11	12	13	14	15	16	7	16
4	32	33	74	98	6	2	33	
18	20	21	22	23	24	25	6	27
34	35	56	102	4	33	4	35	
28	29	30	31	32	33	34	5	36
57	80	3	27	35	59	83	2	35
37	38	39	40	41	42	43	4	45
62	86	3	34	66	63	90	5	36
46	47	48	4	50	51	52	53	54
37	71	72	97	33	77	36	7	38
54	56	57	58	59	60	61	62	63
56	74	75	76	96	9	36	7	36
64	65	66	67	68	69	70	71	72
39	57	58	77	76	90	99	7	37
73	74	75	76	77	78	79	80	81
38	39	59	60	80	81	100	5	36
62	83	84	85	86	87	88	89	90
39	62	63	83	84	3	39	5	86
92	93	94	95	96	97	98	99	100
87	4	40	64	69	73	89		

LINE 3

7	40	41	50	71	72	73	0	91
11	11	12	13	14	15	16	7	16
10	40	41	4	57	58	74	5	76
11	20	21	22	23	24	25	16	27
92	93	94	1	40	41	42	43	59
18	29	30	31	32	33	34	15	36
60	61	77	74	79	95	96	7	10

CONNECT FOUR  
 MAIN BODY PROGRAM  
 BY  
 ROBERT LEAKE

37	38	39	40	41	42	43	44	45
41	42	43	44	45	46	47	48	49
40	41	42	43	44	45	46	47	48
96	97	98	99	100	101	102	103	104
55	56	57	58	59	60	61	62	63
85	86	87	88	89	90	91	92	93
64	65	66	67	68	69	70	71	72
44	45	46	47	48	49	50	51	52
73	74	75	76	77	78	79	80	81
58	59	60	61	62	63	64	65	66
82	83	84	85	86	87	88	89	90
59	60	61	62	63	64	65	66	67
LINE 4								
1	2	3	4	5	6	7	8	9
12	13	14	15	16	17	18	19	20
78	79	80	81	82	83	84	85	86
70	71	72	73	74	75	76	77	78
65	66	67	68	69	70	71	72	73
26	27	28	29	30	31	32	33	34
46	47	48	49	50	51	52	53	54
37	38	39	40	41	42	43	44	45
47	48	49	50	51	52	53	54	55
46	47	48	49	50	51	52	53	54
79	80	81	82	83	84	85	86	87
55	56	57	58	59	60	61	62	63
48	49	50	51	52	53	54	55	56
64	65	66	67	68	69	70	71	72
48	49	50	51	52	53	54	55	56
73	74	75	76	77	78	79	80	81
91	92	93	94	95	96	97	98	99
82	83	84	85	86	87	88	89	90
94	95	96	97	98	99	100	101	102
91	92	93	94	95	96	97	98	99
51	52	53	54	55	56	57	58	59
LINE 5								
1	2	3	4	5	6	7	8	9
3	4	5	6	7	8	9	10	11
10	11	12	13	14	15	16	17	18
66	67	68	69	70	71	72	73	74
19	20	21	22	23	24	25	26	27
89	90	91	92	93	94	95	96	97
28	29	30	31	32	33	34	35	36
55	56	57	58	59	60	61	62	63
LINE 6								
1	2	3	4	5	6	7	8	9
-24556	-24554	-2454	-2454	-2451	-245	-245	-245	-245
8	9	10	11	12	13	14	15	16
-24529	-24511	-2450	-2449	-2448	-244	-244	-244	-244
15	16	17	18	19	20	21	22	23
-24467	-2445	-2444	-2443	-2442	-244	-244	-244	-244
22	23	24	25	26	27	28	29	30
-24395	-2438	-2438	-2436	-2435	-243	-243	-243	-243
29	30	31	32	33	34	35	36	37
-24323	-24311	-2431	-2430	-2429	-242	-242	-242	-242
36	37	38	39	40	41	42	43	44
-24279	-2426	-2425	-2425	-242	-242	-242	-242	-242
LINE 7								
1	2	3	4	5	6	7	8	9
32	33	34	35	36	37	38	39	40
10	11	12	13	14	15	16	17	18
47	48	49	50	51	52	53	54	55
19	20	21	22	23	24	25	26	27
62	63	64	65	66	67	68	69	70
28	29	30	31	32	33	34	35	36
37	38	39	40	41	42	43	44	45
37	38	39	40	41	42	43	44	45
32	33	34	35	36	37	38	39	40
46	47	48	49	50	51	52	53	54
35	36	37	38	39	40	41	42	43
55	56	57	58	59	60	61	62	63
38	39	40	41	42	43	44	45	46
64	65	66	67	68	69	70	71	72
33	34	35	36	37	38	39	40	41

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8 GOTO 14
9 BOX 0,43,87,1,2
10 BOX -49+12xC,43,9,1,1;RETURN
11 M=%(-24225+14xB+2xC);RETURN
12 U=Q÷7;F=RM;IF F=0F=7
13 BOX -49+12xF,-8+(Q-1)÷7x9,11,8,3;RETURN
14 CLEAR;INPUT "ZZ1 OR 2 PLAYERS?"P
15 BC=10;FC=183;FOR A=1TO 76:@(A)=0;NEXT A;
  CLEAR;BOX -1,14,87,56,1;FOR Q=1TO 42;
  GOSUB 12;NEXT Q;C=1,GOSUB 10;T=-1;N=69;
  CY=-32
16 J=(T+3)÷2
17 D=C+JX(J);IF C#DIF Dx(8-D)C=D;GOSUB 9
18 IF (TR(J)#1)+@(C)=6GOTO 17
19 GOSUB 37;T=-T;IF P#1GOTO 16
20 L=-9999;FOR Q=1TO 7;GOSUB 9;IF @(C)=6GO
  TO 36
21 E=@(C);GOSUB 11;W=0;FOR A=M+1TO A+(M)÷
  256;B=%(A)÷256-24;S=@(B)
22 W=W+(80+S);NEXT A;IF W=@(83)K=C;C=7;G
  OTO 36
23 IF @(C)=5GOTO 35
24 IF W=@(77)GOTO 35
25 E=E+1;GOSUB 11;G=0;H=1;FOR A=M+1TO A+(
  M)÷256;B=%(A)÷256-24;S=@(B)
26 IF S=-3G=1
27 IF S=-2W=W-2x@(78)÷3
28 IF S=2W=W-@(82)÷3
29 IF S=3H=0;W=-3333
30 NEXT A;IF G W=-6666;GOTO 35
31 IF H+@(C)=4GOTO 35
32 E=E+1;GOSUB 11;I=0;FOR A=M+1TO A+(M)÷2
  56;B=%(A)÷256-24;S=@(B)
33 IF S=3I=1
34 NEXT A;IF I K=C;C=7;GOTO 36
35 IF W>L L=W;K=C
36 NEXT C;C=K;GOSUB 37;T=-1;GOTO 17
37 E=@(C);GOSUB 11;@(C)=@(C)+1;X=-49+12xC;
  Y=-17+9x@(C);GOSUB 9;BOX X,Y,9,6,1;BOX
  X,Y,5,2,(7+T)÷2;MU=84
38 FOR A=M+1TO A+(M)÷256;B=%(A)÷256-24;S=
  @(B);IF S=4GOTO 46
39 IF SxT<0@(B)=4;N=N-1;GOTO 46
40 S=S+T;@(B)=S;IF S#4xTCOTO 46
41 R=1;Z=%(-24144+E)÷256-31;IF B>31R=6
42 IF B>43R=7
43 IF B>64R=8
44 N=0;FOR Q=ZTO Z+3xRSTEP R;GOSUB 12;GOSU
  B 15;N=N-1;MU=87+N;NEXT Q;IF TR(J)RUN
45 GOTO 44
46 NEXT A;IF NRETURN
47 PRINT "ZZZZZ GAME IS A DRAW"
48 IF TR(J)RUN
49 GOTO 48

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