

# Connect 4

Connect 4				
				Board
Player	TI58c			Init.

```

=====
                        C o n n e c t      4
=====
You can play Connect4 against the TI58C.
=====
Step      Procedure                                     Keys
-----
1  Initialization                                     E
2  The player puts a pawn                             x  A
    x => column number
3  The TI58C puts a pawn                               B
=====
4  To print again the gameboard                         E'
=====

```

# Concise UI



```

// ##### INITIALIZATION #####
LBL E
CMS
. 0 1 STO 61 STO 62 STO 66 STO 67
. 0 2 STO 63 STO 65
. 0 3 STO 64
6 1 STO 81
6 2 STO 82
6 3 STO 83
6 4 STO 84
6 5 STO 85
6 6 STO 86
6 7 STO 87
E'
0 0 1 5 3 2 3 1 3 1 OP 03 1 7 1 5 3 7 0 5 0 0 OP 04 OP 55
R/S

// ##### PRINTS GAMEBOARD #####
LBL E'
CUT
LPG 01 A
LPG 05 A
IFF 2 DEG
IFF 1 RAD
CLR
RTN

// ##### TI WIN #####
LBL DEG
OP 00
0 0 0 0 0 0 0 0 0 0 OP 01
0 0 0 0 3 7 2 4 0 6 OP 02
1 1 0 0 4 3 2 4 3 1 OP 03
0 0 0 0 7 3 0 0 0 0 OP 04
OP 05
CLR
R/S

// ##### PLAYER WIN #####
LBL RAD
OP 00
3 7 2 3 OP 01
1 7 0 0 3 3 2 7 1 3 OP 02
4 5 1 7 3 5 0 0 4 3 OP 03
2 4 3 1 0 0 7 3 0 0 OP 04
OP 05
CLR
R/S

// ##### PLAYER #####
LBL A
STO 08 STO 89
1 STO 09
INV STF 3
LPG 02 A
INV IFF 3 B'
GTO A'

// ##### TI PLAYS #####

```



```
LBL B
CLR PAU
2 STO 09
LPG 03 A

// ##### CALL CONTROL #####
LBL A'
LPG 04 A
E'
RCL 89
R/S

// ##### BAD BOX #####
LBL B'
OP 00 0 0 1 7 3 5 3 5 3 2 OP 03 3 5 0 0 7 3 0 0 0 0 OP 04 OP 55
R/S

// ##### TI58C CAN NOT PLAY #####
LBL C'
OP 00 1 5 1 3 3 1 0 0 3 7 OP 03 0 0 3 3 2 7 1 3 4 5 OP 04 OP 55
R/S
```



L A B E L S
001 15 E
083 10 E'
100 60 DEG
156 70 RAD
206 11 A
227 12 B
237 16 A'
246 17 B'
277 18 C'

Adr	Branch.
A	087 11 A
A	090 11 A
A	219 11 A
A	235 11 A
A	240 11 A
A'	224 61 GTO
B'	221 87 IFF
DEG	091 87 IFF
E'	054 10 E'
E'	241 10 E'
RAD	094 87 IFF

Reg.	Instr.
08	207 42 STO
09	212 42 STO
	231 42 STO
61	006 42 STO
62	008 42 STO
63	017 42 STO
64	024 42 STO
65	019 42 STO
66	010 42 STO
67	012 42 STO
81	028 42 STO
82	032 42 STO
83	036 42 STO
84	040 42 STO
85	044 42 STO
86	048 42 STO
87	052 42 STO
89	209 42 STO
	242 43 RCL



S U B - P R O G R A M S		
085	...01.t58	Connect4FR01 sub-program for Connect4
088	...05.t58	Connect4FR05 sub-program for Connect4
217	...02.t58	Connect4FR02 sub-program for Connect4
233	...03.t58	Connect4FR03 sub-program for Connect4
238	...04.t58	Connect4FR04 sub-program for Connect4

