

TicTacToe

TicTacToe				
Player 1	Player 2		2 Players	vs. TI

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=====
                        T I C T A C T O E
=====
        Classic game of TicTacToe.
Align 3 X to win.
    - Play with two players (Press key D to start)
    - Or against the TI      (Press key E to start)

To begin with the player 2 (or TI)
                                press the key B
-----
|_|(|) | | | | | | | | | | | | | | | |
|_|(|) | | | | | | | | | | | | | | | |
|_|(|) | | | | | | | | | | | | | | | |
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```



```

// ##### PLAYER 1 #####
LBL A
LPG 01 A
KEY
STO 18
RC* 18 CP INV EQ SQR
RCL 18 X/T
4 4 STO 10
LPG 01 E'
RCL 10 ST* 18
LPG 01 D'
RCL 19 CP EQ WRI
1 3 2 X/T D'
GTO B
R/S

// ##### PLAYER 2 #####
LBL B
IFF 0 C'
LPG 01 B
KEY
LBL PI
STO 18
RC* 18 CP INV EQ SQR
RCL 18 X/T
3 2 STO 10
LPG 01 E'
RCL 10 ST* 18
LPG 01 D'
RCL 19 CP EQ WRI
9 6 X/T D'
GTO A
R/S

// ##### END OF GAME #####
LBL WRI
1 7 OP 01
3 1 1 6 1 7 1 6 0 0 OP 02
2 4 3 1 0 0 1 3 0 0 OP 03
1 6 3 5 1 3 4 3 7 3 OP 04
OP 05 OP 55
R/S

// ##### INITIALIZATION #####
LBL E'
CUT
LPG 01 C'
LPG 01 D'
GTO A
R/S

// ##### 2 PLAYERS #####
LBL D
INV STF 0 E'
R/S

// ##### PLAYER AGAINST TI #####
LBL E
STF 0 E'

```



R/S

// ##### THE PLACE IS BUSY #####

LBL SQR

1 7 3 5 3 5 3 2 OP 03 3 5 0 0 7 3 0 0 0 0 OP 04

OP 55 PAU

IFF 1 A

GTO B

R/S

// ##### ANALYSIS STROKES TO PLAY #####

LBL D'

RCL 01 + RCL 02 + RCL 03 = EQ PRT

RCL 04 + RCL 05 + RCL 06 = EQ PRT

RCL 07 + RCL 08 + RCL 09 = EQ PRT

RCL 01 + RCL 04 + RCL 07 = EQ PRT

RCL 02 + RCL 05 + RCL 08 = EQ PRT

RCL 03 + RCL 06 + RCL 09 = EQ PRT

RCL 03 + RCL 05 + RCL 07 = EQ PRT

RCL 01 + RCL 05 + RCL 09 = EQ PRT

RTN

LBL PRT

3 3 2 7 1 3 OP 01

4 5 1 7 3 5 0 0 0 3 OP 02

4 3 2 4 3 1 OP 03

3 6 0 0 7 3 0 0 0 0 OP 04

9 6 EQ OP

4 5 1 7 3 5 0 0 0 2 OP 02

LBL OP

OP 05 OP 55

R/S

// ##### COULD TI WIN ? #####

LBL C'

8 STO 00

LBL IXI

0 STO 31

RCL 00 + 2 0 = STO 20

RC* 20 STO 29

A' SUM 31

A' SUM 31

A' SUM 31

RCL 31 X/T

6 4 EQ ADV

DSZ 00 IXI

// ##### COULD TI LOOSE ? #####

8 STO 00

LBL ENG

0 STO 31

RCL 00 + 2 0 = STO 20

RC* 20 STO 29

A' SUM 31

A' SUM 31

A' SUM 31

RCL 31 X/T

8 8 EQ ADV

DSZ 00 ENG

// ##### FIRST PLACE EMPTY #####



```
9 X/T RCL 19 INV EQ CE
1 GTO PI
LBL CE
5 STO 00
CP RC* 00 EQ DMS
9 STO 00
LBL NOP
CP RC* 00 EQ DMS
DSZ 00 NOP
RTN
LBL DMS
RCL 00 GTO PI
LBL ADV
CP
RC* 20 STO 29
A' EQ LST
A' EQ LST
A'
LBL LST
RCL 30
GTO PI
LBL A'
RCL 29 * 1 0 = STO 29 INT INV SUM 29 STO 30 RC* 30
RTN
```



L A B E L S
001 11 A
045 12 B
054 89 PI
093 96 WRT
140 10 E'
152 14 D
159 15 E
165 34 SQR
198 19 D'
289 99 PRT
347 69 OP
354 18 C'
359 50 IXI
398 57 ENG
444 24 CE
457 68 NOP
468 88 DMS
474 98 ADV
488 90 LST
494 16 A'

Adr	Branch.
A	004 11 A
A	089 61 GTO
A	148 61 GTO
A	191 87 IFF
A'	375 16 A'
A'	378 16 A'
A'	381 16 A'
A'	414 16 A'
A'	417 16 A'
A'	420 16 A'
A'	480 16 A'
A'	483 16 A'
A'	486 16 A'
ADV	389 67 EQ
ADV	428 67 EQ
B	041 61 GTO
B	051 12 B
B	194 61 GTO
C'	046 87 IFF
C'	144 18 C'
CE	438 67 EQ
D'	030 19 D'
D'	040 19 D'
D'	079 19 D'
D'	088 19 D'
D'	147 19 D'
DMS	451 67 EQ
DMS	461 67 EQ
E'	023 10 E'
E'	072 10 E'
E'	156 10 E'
E'	162 10 E'
ENG	430 97 DSZ
IXI	391 97 DSZ
LST	481 67 EQ
LST	484 67 EQ
NOP	463 97 DSZ
OP	332 67 EQ
PI	441 61 GTO
PI	471 61 GTO
PI	491 61 GTO
PRT	208 67 EQ
PRT	219 67 EQ
PRT	230 67 EQ
PRT	241 67 EQ
PRT	252 67 EQ
PRT	263 67 EQ
PRT	274 67 EQ
PRT	285 67 EQ
SQR	012 67 EQ
SQR	061 67 EQ
WRT	034 67 EQ

Reg.	Instr.
00	356 42 STO
	363 43 RCL
	395 42 STO
	402 43 RCL
	446 42 STO
	449 73 RC*
	454 42 STO
	459 73 RC*
	469 43 RCL
01	199 43 RCL
	232 43 RCL
	276 43 RCL
02	202 43 RCL
	243 43 RCL
03	205 43 RCL
	254 43 RCL
	265 43 RCL
04	210 43 RCL
	235 43 RCL
05	213 43 RCL
	246 43 RCL
	268 43 RCL
	279 43 RCL
06	216 43 RCL
	257 43 RCL
07	221 43 RCL
	238 43 RCL
	271 43 RCL
08	224 43 RCL
	249 43 RCL
09	227 43 RCL
	260 43 RCL
	282 43 RCL
10	019 42 STO
	024 43 RCL
	068 42 STO
	073 43 RCL
18	006 42 STO
	008 73 RC*
	014 43 RCL
	026 72 ST*



WRT	083 67 EQ
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	055 42 STO
	057 73 RC*
	063 43 RCL
	075 72 ST*
19	031 43 RCL
	080 43 RCL
	435 43 RCL
20	369 42 STO
	371 73 RC*
	408 42 STO
	410 73 RC*
	476 73 RC*
29	373 42 STO
	412 42 STO
	478 42 STO
	495 43 RCL
	501 42 STO
	505 44 SUM
30	489 43 RCL
	507 42 STO
	509 73 RC*
31	361 42 STO
	376 44 SUM
	379 44 SUM
	382 44 SUM
	384 43 RCL
	400 42 STO
	415 44 SUM
	418 44 SUM
	421 44 SUM
	423 43 RCL



S U B - P R O G R A M S		
002	...01.t58	Sub-program 01 for TicTacToe
021	...01.t58	Sub-program 01 for TicTacToe
028	...01.t58	Sub-program 01 for TicTacToe
049	...01.t58	Sub-program 01 for TicTacToe
070	...01.t58	Sub-program 01 for TicTacToe
077	...01.t58	Sub-program 01 for TicTacToe
142	...01.t58	Sub-program 01 for TicTacToe
145	...01.t58	Sub-program 01 for TicTacToe

