

Final Project Proposal

$$Tic^2 + Tac^2 + Toe^2 - 2TicTac - 2TicToe + 2TacToe$$

or

Ultimate Tic Tac Toe

Ultimate Tic Tac Toe is played on a 9X9 grid split up into 9 3X3s, each with a corresponding number as shown

0	0	0	1	1	1	2	2	2
0	0	0	1	1	1	2	2	2
0	0	0	1	1	1	2	2	2
3	3	3	4	4	4	5	5	5
3	3	3	4	4	4	5	5	5
3	3	3	4	4	4	5	5	5
6	6	6	7	7	7	8	8	8
6	6	6	7	7	7	8	8	8
6	6	6	7	7	7	8	8	8

Each 3X3 is a standard Tic Tac Toe board numbered as shown

0	1	2
3	4	5
6	7	8

Playing in a square of a 3X3 with a certain number forces the next player to play in the correspondingly numbered 3X3

Each 3X3 is replaced with the symbol of the player who won the mini Tic Tac Toe game in that square.

A player wins the whole game when the large board shows a standard winning configuration.

Our vision is to implement a working vision of Ultimate Tic Tac Toe that runs in the terminal. If time permits we could make a simple computer player.