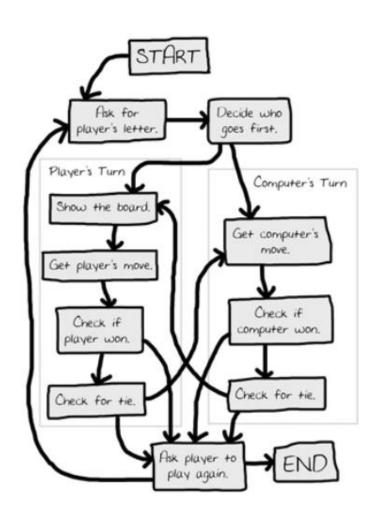
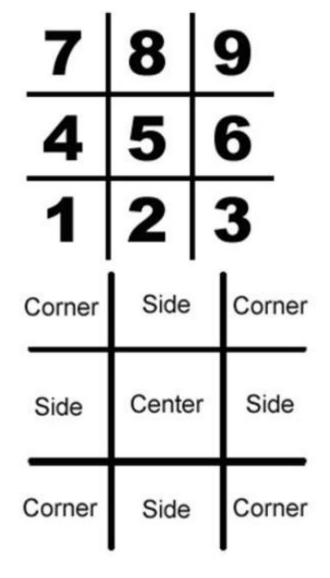


Tic-Tac-Toe





The Al's algorithm



- ➤ 1 see if there's a move the computer can make that will win the game.
 - If there is, take that move. Otherwise, go to step 2
- 2 See if there's a move the player can make that will cause the computer to lose the game.
 - If there is, move there to block the player. Otherwise, go to step 3.
- 3 Check if any of the corner spaces
 - (spaces 1, 3, 7, or 9) are free. If so, move there.
 - ❖ If no corner piece is free, then go to step 4.
- > 4 Check if the center is free.
 - ❖ If so, move there. If it isn't, then go to step 5.
- > 5 Move on any of the side pieces
 - (spaces 2, 4, 6, or 8). There are no more steps, because if the execution reaches step 5 the side spaces are the only spaces left.





Functions

- ➤ ToTboardDraw
 - Nine spaces for each
 - Test it
 - Coins as list/array
- Playerinput
 - Check for X, O as chosen by player
- Fullboard
- winner

- Computermove
 - Iterate Al algo for computer win
 - Iterate AI algo for blocking player
 - Occupy one of the corner..
- > Random_selection
 - ❖ X, O
 - One in list, corners
- playagain
- winner