Algorithm for Tic Tac Toe Lie dac Toe Algor: Hom () (11 mauti-1) output: mitialize board au 3x3 30 array with empty value md [] [] board = new mt [3][3] for (nt 1-0; 123; 1++)(Bor (int j20; j(3; jet) (
board (i3 (j3-0) Step 2.

Set wer player - "X" & AJ = 0; 53: Tuehile Game not over 1155 If player tuen (Display Breard and player box of board [some] [column]; x emply
board [some] [column]: x ach for another naut

barad [saw] [column] = 0 11 fout move is A) eluit player is suppose to inis place serdom of some column

If Found (some] [column]: 5 empty

board (some] [column]: 0' 56: Il frant over condition if board [sam] [1, 2 3] 2 x elve if board [1, 2,3] [aluma player wein; diagonal - 'x' player nois! elle if board (column) - '0 ele if diagonal board [] draw

import sandan def print board (board): for some in board: Print ("-" = 9) def theck - weirner (beard); line:[7 line, extend (board) lines, extend ([[board [:][] Bor lines append ([board [:][:] for in range (3)]) lines, append ([board [i] [2-i] Box 1 in range (3)]] for line in line;

If line [o] = line [1] = -line [2] setur line [0]. deturn None

det is board full (board). xtues all Cell! - Gor Don in board for cell in rave) def get empty position (board). Setwar ((i, j) for in range (3)

Bor sin range (3) if board

Si3(j) = - 1 def player more (board): row = int (input ("Enter rome (0-2): ") (al - :nt (mant ("Enter coleum (0-2):")) if broad (round [col] = 'x'x break point ("Pointion abready then escept (Value Execut Index Execut):

Port ("Invalid input Please
exter numbers between 0 and 2") def qi move (board): for row colin get emply partient Spard (row] [col] = '0'

The check weinner (board) == '0'; xeteren board [row] [Col] =",

for too col in get empty - point ing (beard): board [some] [col] = 'x'

board [some] [col] = 'o' setures board (row I feel)= ' empty - partiery (baard))

board (row] [col]= 0 def mais():

board - [[x' for in range (3)]

for n range (3)]

werest player = x' White True! Print board (board) if would-player = 'x'.
player nove (board) ai_move (board) winner = check winner (boasd) if werner! point board (board)

point (f' {veirous} weins! elif is board full (board)?
Pont board (board)

Port ("It's a drave,") player - x' else X if name - - " mais mainly Output Enter ras (0-2): 1 Eester Colum (0-2): Renter vous (0-2):0 Enter column (0-2):0

Date_____ Current Enter 500 (0-2):2 Enter Column (0-2): XIII -- (× , 01110 X101 01810 Eester some (0-2):1 Center Column (0-2): 2 TXIX 01110 DIXIX Center rove (0-7) =0 Enter Column (0-2): 2 X 101X OIXIX It's a draw!