Date 24/09/124 Algorithm for The Tac Toe > Chance - Rorden Player -> ['X'] Assuming only VOJ (-IV Totally 8 motch winning combinde Analyse the Current state of the board. 1 {3×9 grid 3 mordion proposes Player need to place [x] randomly on the So, 11 i stanger (22) de checkwin (board): Mondiffo = boad[i][i] = boad[i][2]!" noture True, board [0][i] == board[i][i] == board[i][i]!=""; notwo True; if poord [0][0] == poord [1][1] == poord [2][2][:". noturo True; if board [0][2] == board [1][1] == board [2][0][=" surt reuter AI moves in following perforance joint AI checks if it con win second to block the player winning. Noither selecting random available Cell, which roby also lead to draw Reopert.

1/program code des print board (board):

Jor now in board:

print("1". join (now))

print("... +9) des check winner (board): lines, extend (board) lines. extend ([[board[i][j]] for 1 in range(s)]

lines. extend ([board[i][i]) for i in range(s))]

lines. appoind ([board[i][i]) for i in range(s))] for line in lines:

Jig line [0] == line [1] == line [2]! = ":

return line [0]

return None det is-board. full (board):

return alle Coll!: for row in board

for coll in row des get-empty-position (board):

I return (Ci, j) for i in mange (3) for j

in mange (3) is board (i) (j) == i, j de player-move (board):

	Date
	now = int (input ("Enter now(0-2):i)
	Col: int Cinpul " Follow Column Con
	(ol : int (input "Folor Column (o.2)") if board [row][col] == ":
	O board (2000) [col) =1x
	break that a control
	print ("Position already taken True
	except (valuetinas, Index Except: 19
	print("Invalid input)
	[]= don! ()
	des ai-move (board:
Con or a	in a second I I once the second I
	for row col in get empty position (bar board Frow) [6] : o . o .
Lagona	board trows Tobs. O.
Jacker	if check - winner (board) == '0':
	1 redur
	board broad
	distant of the soil of the soil is
	def main ():
	board - [for - in range(3))
	award player (3)
	award player + X:
	and and all all and
	while True:
	print board (board)
,	a strong land of plans the late
15 1	j Current-player = 'x': player-more(board)
	player-redrectoond)
	2/2
	clse:
	ai-move (board)

	Date// Page
winner scheck - win	m (bmid)
ij winon:	
1 (print-board(b	(pand)
arinted" Swanner	Turing 1")
print() " Swanner"	1xt
ely is board to	
Print-board (bho	
print ("It's ad	naw !"> 1 1 ×
break	0110
	0110
ament-player = '0'	is coment player == 'x'ele
^×'	if current player == 'x'else
	(cotor columno 2)
il-nome = " mai	0-41
if-nome = " mais mains	101 ×
Output:	0 x 0
	(5-0) Com 200
11	Federological
	x 161 x
Enter 2000 (0-2):	5 M D
Enter columno-2):1	0 110
	435
	1 Badrast
1 × 1	
1 1	
1	
1 × 1	
011	