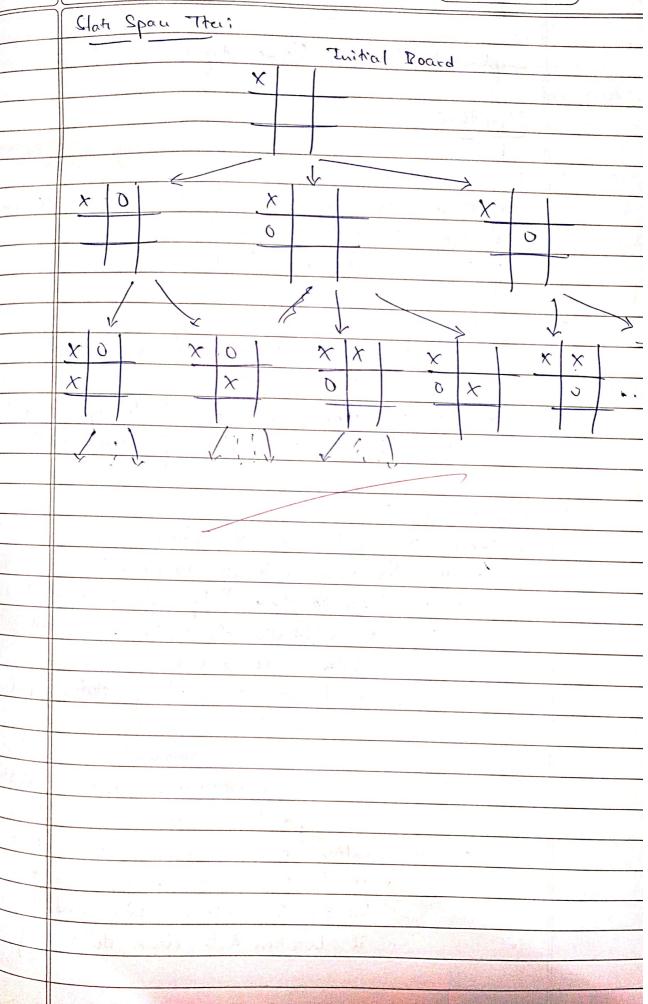
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3.	Come loop! While the game is not over (no winner or draw); Prompt the player to make a mone by
	while the gone to make a mone by
21	entering a position (1 to 9)
	rentering a for the player's work.
2007 000	r latt shreet it the
N	- It the game Bushion
	computed more function. Computed more function to determine
-	- In the work
į Λ. a'	the best now for the bot.
	A call Juste letter los bots more
	of Check for win or draw after every
	hau.
	The same of the sa
- L	Ehd Conditions:
	- If the player wins, display a meriage
	indicating the player won.
	- If the bot wins, display a messay that
	pat con
1 6	If the game is a draw, display a newsay
	indicating the draw.
j= 4 - [
	Time Complexity:
	TC : O(n)
Rolly, Lethor	(tic-dac-tox)
g parties and	

ā ,	
134	W and the second
- 1	

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verentens skunder i skulp till veren en en skretter veren kriter i ser klande skrette skrette skrette skrette Skritter kriter forsten i Storiet ut Skrette skrette skrette skrette skrette skrette skrette skrette skrette s	And the state of t
	Implement Vacceumi Cleaner Agent!
	Algorithmi
1.	Initialization: . Define the goal-classe to indicate the cleanling of each Cocation (A and B)
	· Sel on initial cost to teco
5.	Osce Input: + Get the current location of the vaccium
a .	cleaner (either A or B) - Get the cleanliness state of the current location. - Get the Cleanliness state of other location.
.3.	cleaning byic: - check the Cocation of the vacaum.
	- if the vacuum is on location A: - if location A is dirty (slatus.input is'1'):
	- eleon tocation A, upaati goods
	- if location B is diety (status input- complinant is 1'):
	- numer to location of introcyc Cost- - clean location of update goal-state
	and increase cost.
	- if location A is clean (status-input is 0;
	location B increase wit, and clean it.
	- if Location B is clean do nothing.

	· if becation vaiceum is in location B:
	- if loc B is diety Catatus-Input is 1'1:
	- clean loc B, lipolate goal-state, and
	increase cost.
) ·	if local is dirty Colatus input.
	complement is '1'):
	· Mour to loc A , increase cost
	- Clean Lac A, updati goal-state
	and increase colt.
	- it Lock is clean (status input is o):
	- it local is ditty mone to local
	increase east and clean it.
	- it loc A is clean, do nothing.
27	CK + 1 m & Const + m
4.	output: Present 12 de la comment
9	- Print the final goal-state to Show deantiness of
	both Cocations.
	. Print the total performance magnerount (total
	cost in cutred).
	to by the second of the second
	State Space Thei:
	(1,1,A) or (1,1,13)
	Cleon A Cleon B
	(0,1,A) $(1,0,B)$
	L move A
	(0,1,8) $(1,0,1)$
	1 clean A
	$(0,0,8) \qquad (0,0,t)$
	1
	Goal state goal state

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	Output:
	of the second se
h a fa	tater weatist of Vacuum : A
	Cutur status of A: 1
	Enter status of other toon: 1
	Tuitial Location Condition: { 'A' i'o' ' 1' i'o']
1	Macuum & placed in Location A
	Cocation A is Diety.
	Cost for cleaning A: 1
	Cocation A has been Cleaned
1000	Location B is Dirty
	Moving right to location B Cost for howing right! L 6st for Suct: 13
7:/	Cost for mowing right! L
	6st for suck: 13
	Location B how been cleaned
	Goac state!
A = 100 - 10	ξ'A'; 'O', 'B' 1'O')}
10/01/01	Performance Meagurement: 3
	All my text in the state of the
	Time Complexity:
	TC = O(1)
	Agent)
	1,10
	O'A
(
11.50	