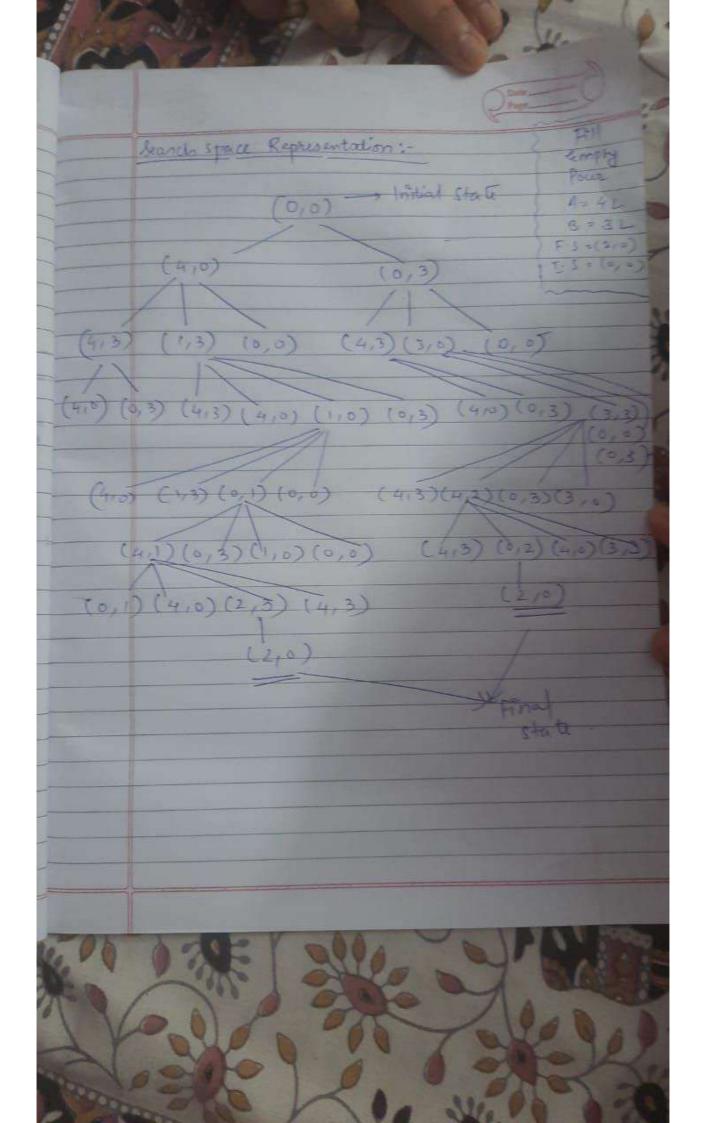
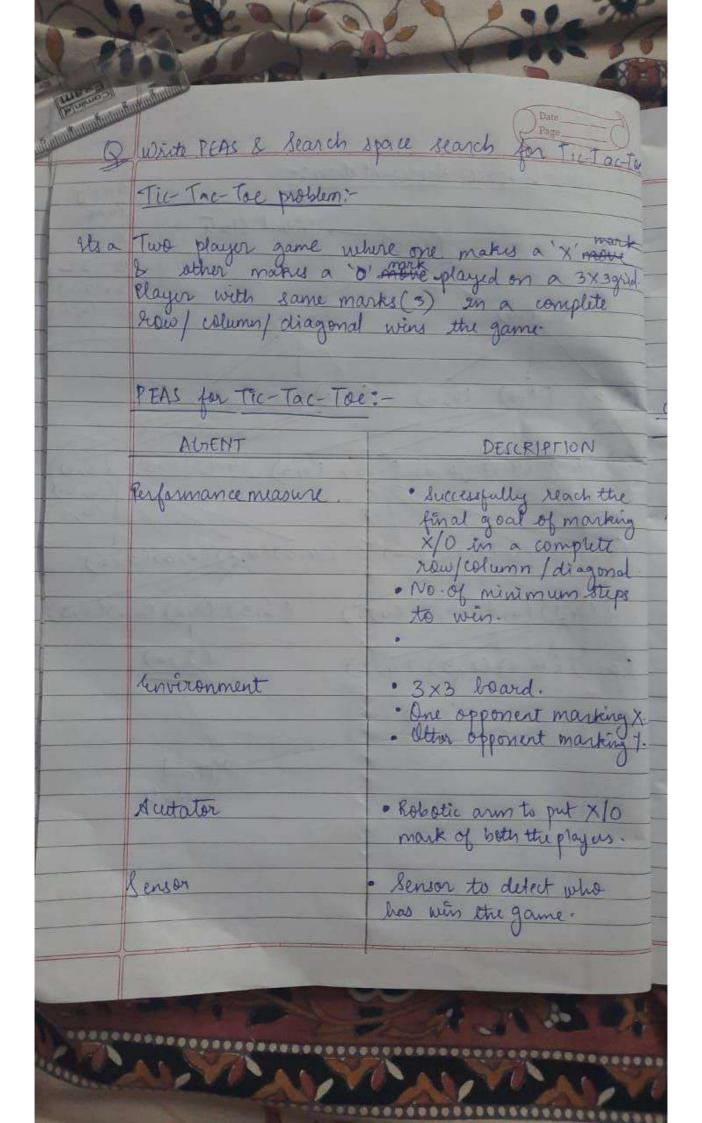
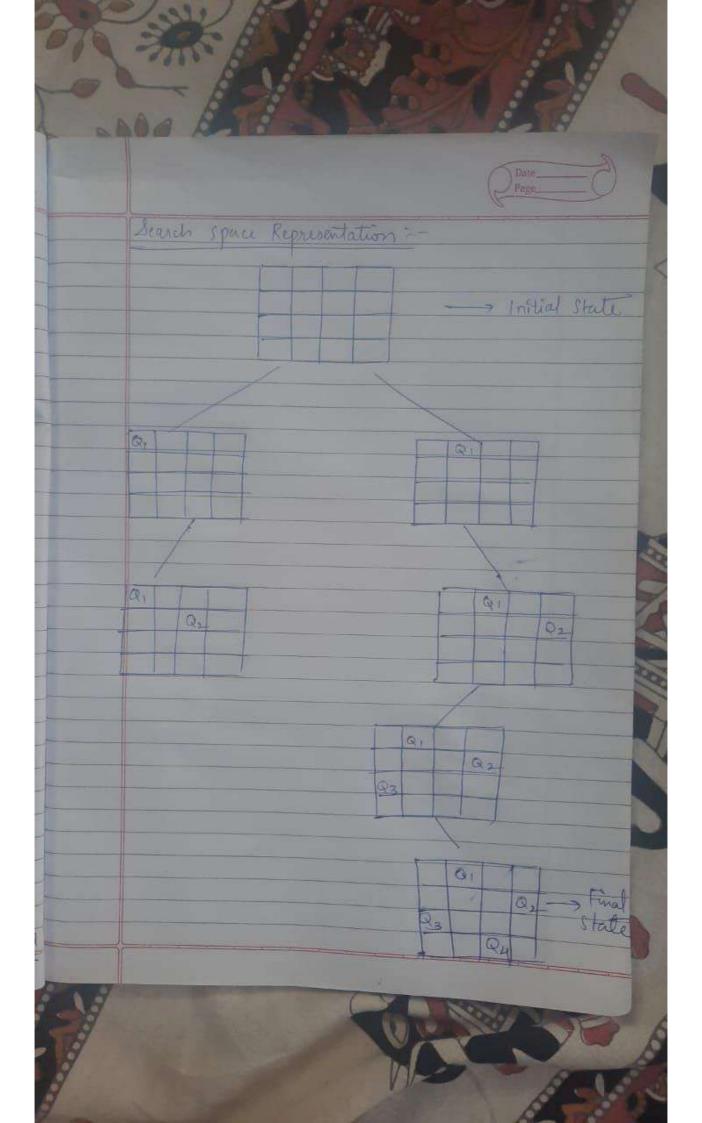
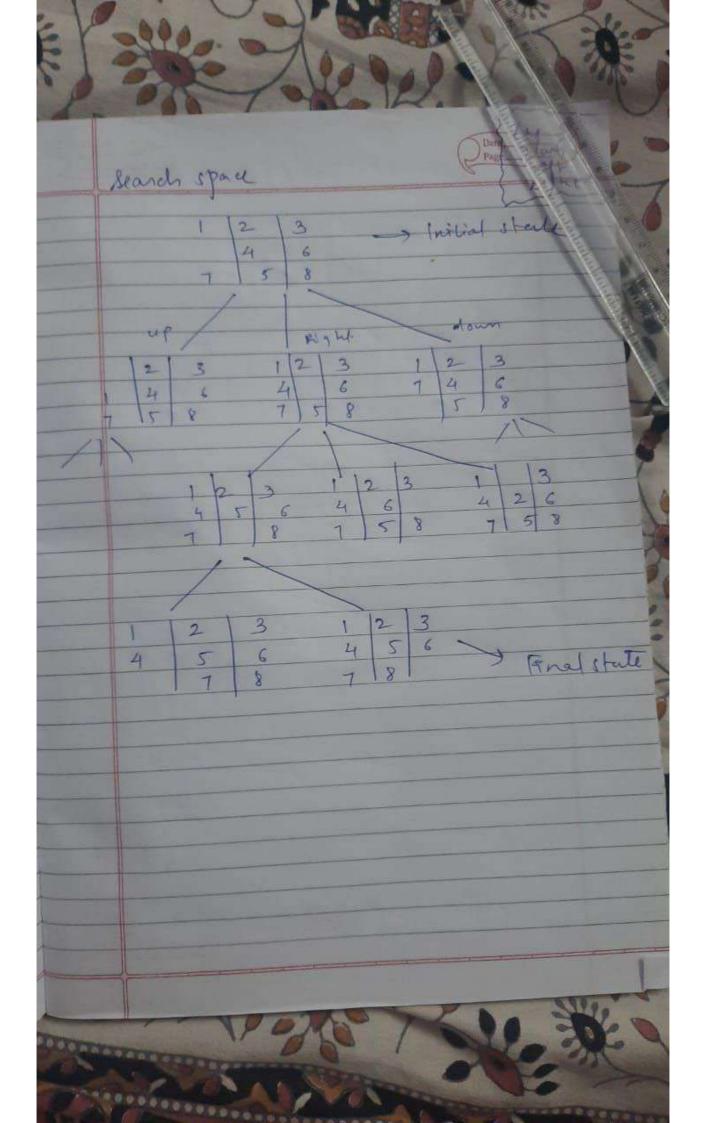
& Pearl Seach Space Representation for 4-Queen 4 Queen problem: In 4 Quen Problem the queens held to be placed on 4 44 chies broard, so that no queens attack each other horizontally vertically or diagonally. PEAS for 40 legs Problem: DESCRIPTION · Axiongement of 4 queen in an Penformance 4+4 puzzle space of om 4+4 Measure game these board-- No two or more queen should intersect their path vertically horizontally or diagonally . The puzzles main performance measure is the finest number of moves required to come it. · Puzzle space determined by Envisorment 4X & game board. . Initial state is empty board - Final state is the bound with 4 queens none attacking each other. Actuators . each queen is placed, one after the other on a square board in such a way that They do not & attack each · Tully software, so the agent will Sensone have full view of puzzle space

& Write PEAS & Search space for water Jug. Water Jug problem: In this problem, we have two jugs. One jug with capacity of 4-gallon (1) & other with 3-gallon(1). We have to get 2-gallons of water in the jug. PEAS for Water Ting Problem: DESCRIPTION AMENT · Successfully Mach the Performance goal of pulling 2 gallors Measure of water. · No. of minimum steps to some the problem · One jug with capacity of 4 gallon. · Other jug with capacity of 3 gallon. finimonment . The robotic arm to pour of cutodor water. servor to detect water Senson level.

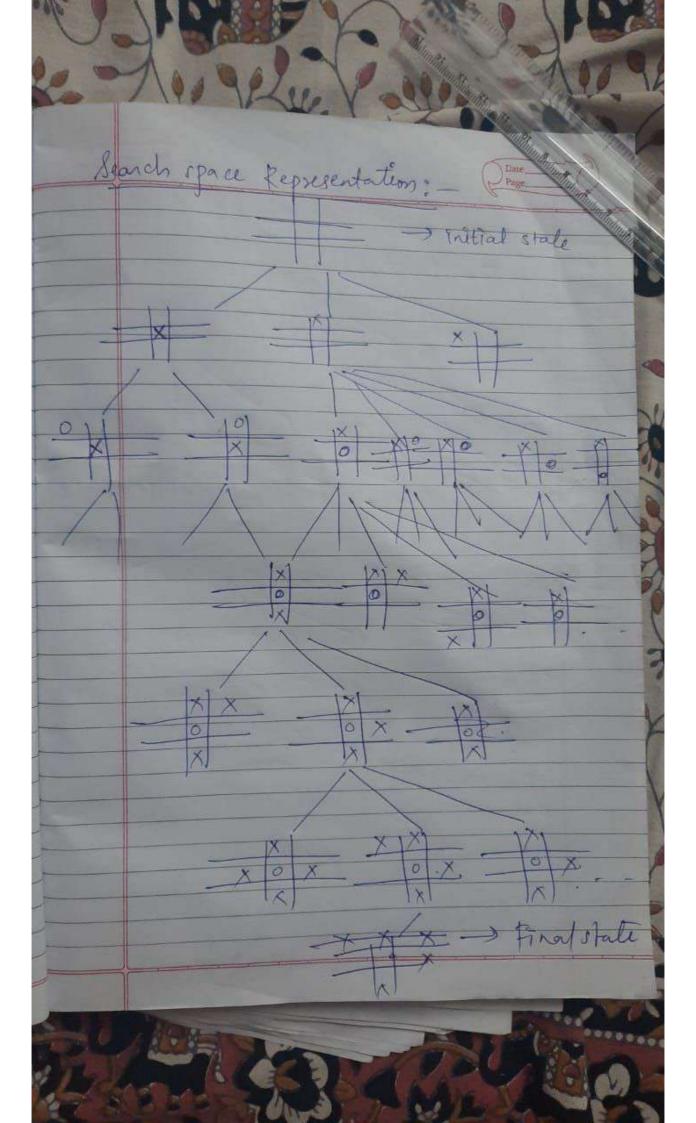


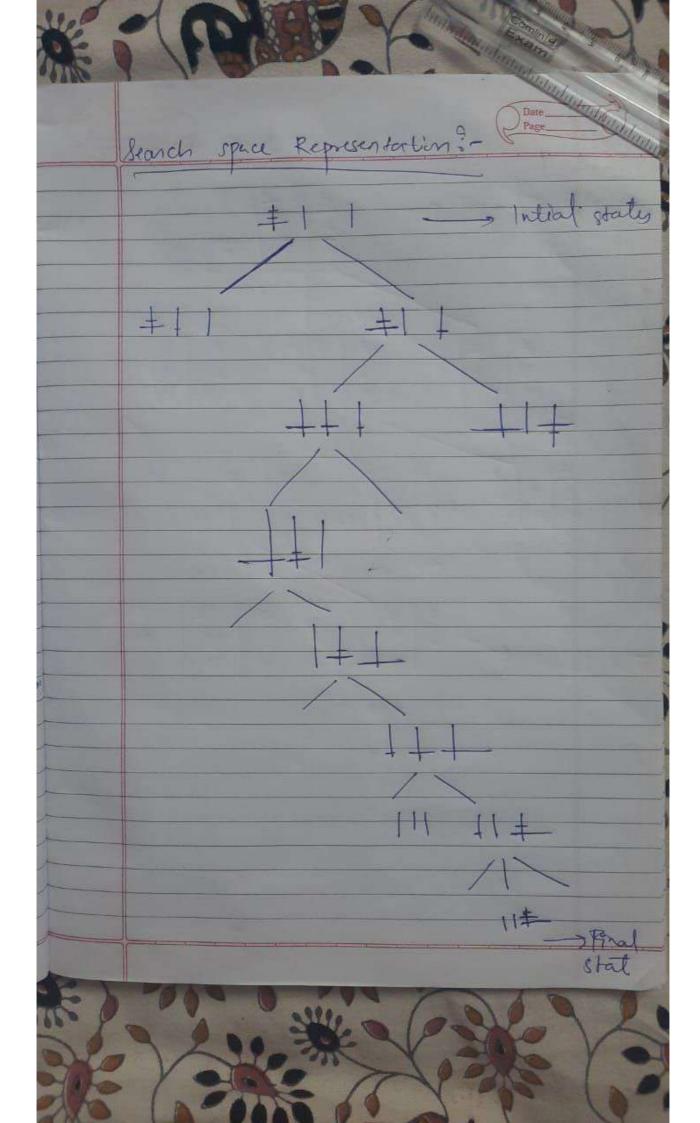






10 S & write Peas & search space for 8- Puzzle 8 puzzle problem:-The game is played on 3x3 grid where we have to reach the goal state by reaving the tiles in order by moving the land up, down, left & right in minimum number of moves. Peas for 8-Puzzle problem :-ALGENT DESCRIPTION Performance Measure · Successfully reach the final goal of arranging tills in order. · Minimum mones to reach the goal state La vironment - 3×3 grad · Numbered tile from 1-88 · Robotic arm to more Acutator the blank tile up down, left, right. · Sensor to detect Sensor the order of





## Intelligent Agents



	sinse		
		space for tower of Honos	
0	it Pouch March	space for 100000 of	
3	for 3 diak.		
	1		
	Tower of Handi:		
		u have 3 reads and 3 disks.	
	In tower of Hansi we have 3 rods and 3 disks.  The disks are of different sizes. A disk can be only moved if there is no other disk on it.  In this problem we have to move all the disk from 1st rod to the 3rd rod with minimum		
	thurber of moves.		
	Peas for Tower of Manoi ?-		
-	AGIENT	DESCRIPTION	
+	Antecry		
	Enformance Masure	· to succesfully reach the	
	0	final goal by arranging	
- 1		the disk from 1st rod _	
	2 2	to the 3rd rod.	
_	2 100 3 12 3	· Minimum no of morres to	
21.14	2 TEL	reach the goal state	
3	Environment	Plach the goal state  • Dirk can be moved only y no out  • 3 - rods	
	and tormy en	3-rods	
		· 3 disk of different sizes -	
	Acutator		
		· A robotic arm to mone	
		me disk from one rod to	
		another.	
	Servor	• 80	
		· Senson to detect the	
		overangement of disk on	
1		rode.	