

> Implement vaccum clear agent. Algorithm Initialize the agent staring (A,B) untill all cells are clean. a Pereievace the current cell. b. if the cell is dirty · clean the wirent cu Elle. ckeck surrounding cell (up, down, left, Might) to see in any are dirity. move to the next dinty all owing a state of y such as BFS, DFS (b) Grandom movements. ib nodisty cells are percieved, stop call cells end loop

	Date Page 6
->	BFS algorithm for 8 puzzle game
	Aglorithm!
	let pringe be a list of containing the inition
	No de - 4 emove - first (fringe)
	then return the path from initial this to Node Else generate all successor of Node and add generated nodes to the back of fringe
	End loop.
->	DFS algorithm for 8 puzzle game
	Algorithm!
	Let Prince be a viet containing the initial state
	if fringe is Empty retwon failure.  Node - Hemove-first (fringe)  if node is a goal
	to plade Else generale all successor a Noch and cadd appropriated the from initial state.
	End loop,