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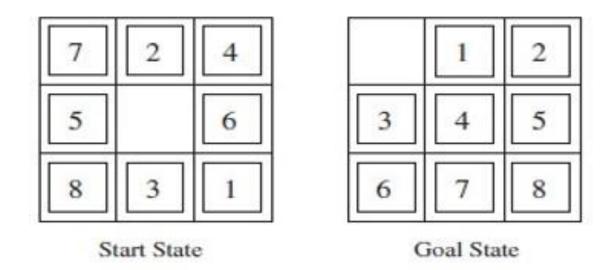
Case Study

FLIPPED CLASSROOM ACTIVITY-2

DDAIS – 22AD2001R/A/P Session-2

Case Study – 1:

• Example of an Initial Sate and a Goal states:



Case Study -1: (In class)

• Draw out PEAS model for an 8 Puzzle Game duly bringing out Characteristics of the Agent and the environment in which the agent operates.

	Agent Type	Performance Measure	Environment	Actuators	Sensors
8		Arrange the numbered tiles in a specific order within the puzzle	grid , eight numbered tiles, along with one empty space, people.	Board Configuration, Reset Actuator,	Tile Position Sensor, Empty Space Sensor, Goal State Sensor, Obstacle Detection, Environment State Sensor.

	Observability	Number of	Whether the	Whether the	Static / Semi-	Whether
	Level	agents	Inputs or	precepts or	Dynamic /	precepts are
Environment			deterministic	episodic or	Dynamic	discrete or
Characteristics			or stochastic	continuous		continuous
	Partially	Single	Deterministic	Episodic	Semi-Dynamic	Discrete
	Observable					

Agent Particulars				
Agent type	Single-Agent			
	Perception			
Functions	Decision Making			
runctions	Action			
	Apply search algorithm			
Initial State	Initial sate at the starting point			
Goal States	Goal state at the destination point			
Intermediate States	Breaking State			
Actions to be taken	move tile up, move tile down, move tile left, and move tile			
	right.			