AI202 Artificial Intelligence
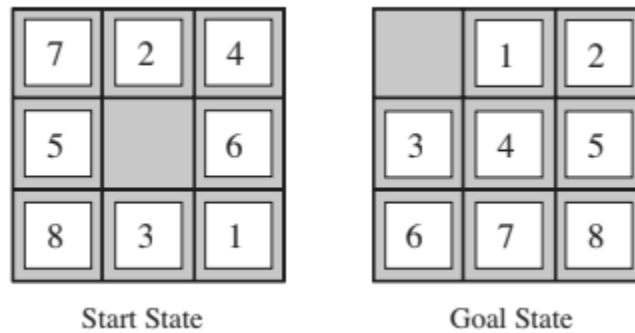## Lab Assignment 2

Q1 The following figure shows the start state and goal state for the 8-puzzle problem. Find the number of states explored before reaching the goal state using the BFS algorithm.

7	2	4
5		6
8	3	1

Start State

	1	2
3	4	5
6	7	8

Goal State

Q2 Find the number of states explored for the DFS algorithm. Give comparison of BFS and DFS in terms of cost if the path cost for the state is given as depth of the search tree at which the state is occurring.