Problem Formulation Of N-Puzzle

7	2	4
5		6
8	3	1

Start State

	1	2
3	4	5
6	7	8

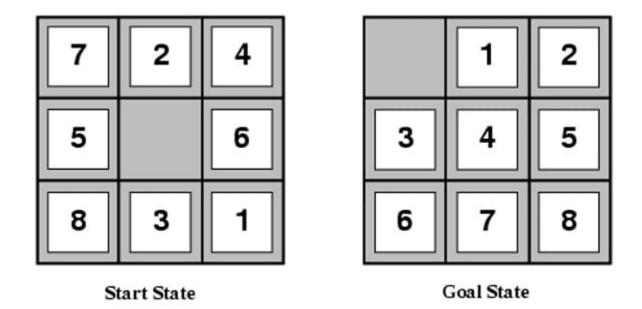**Goal State**

States: location of tiles

Initial State: any random arrangement

Successor Function: move blank left, right, up, down

Goal test: Ordered arrangement

Path cost: 1 per move