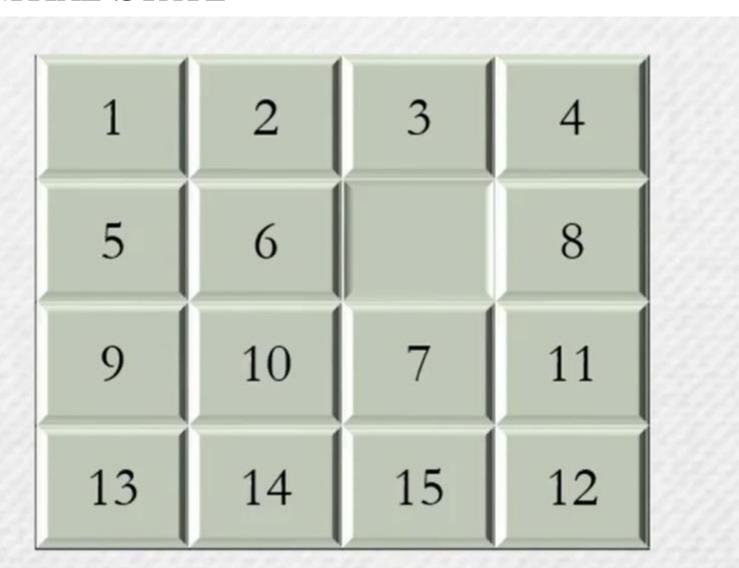
15-PUZZLE GAME

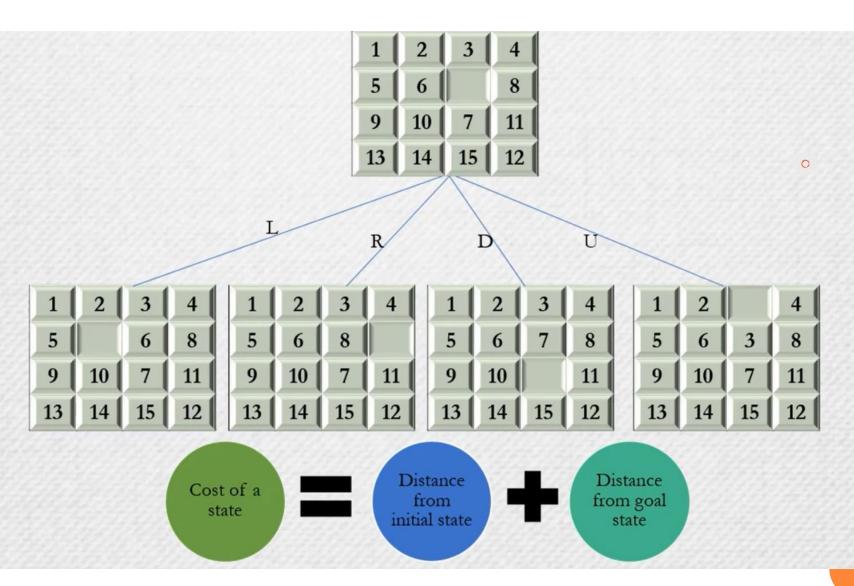
Branch & Bound

GOAL STATE



INITIAL STATE





ESTIMATED COST

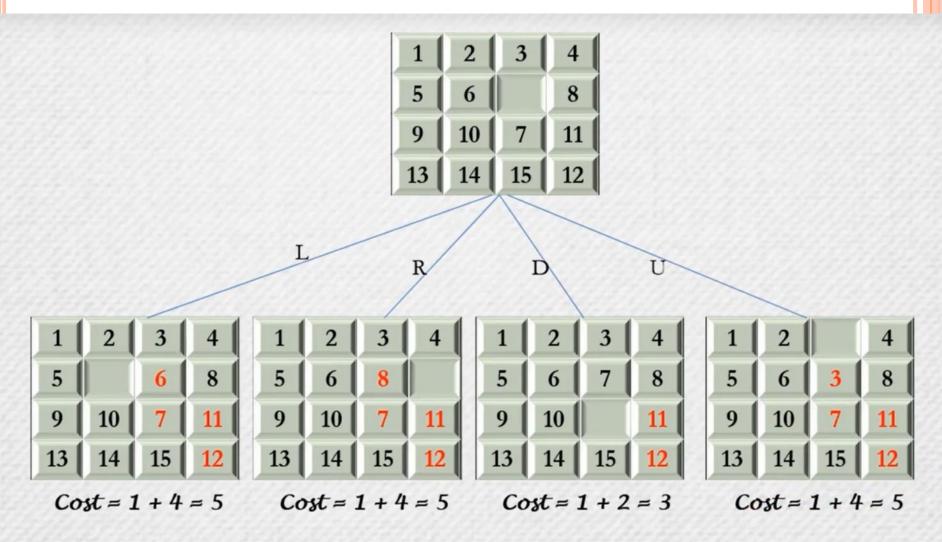
Distance From GOAL State = Number of tiles NOT in GOAL position

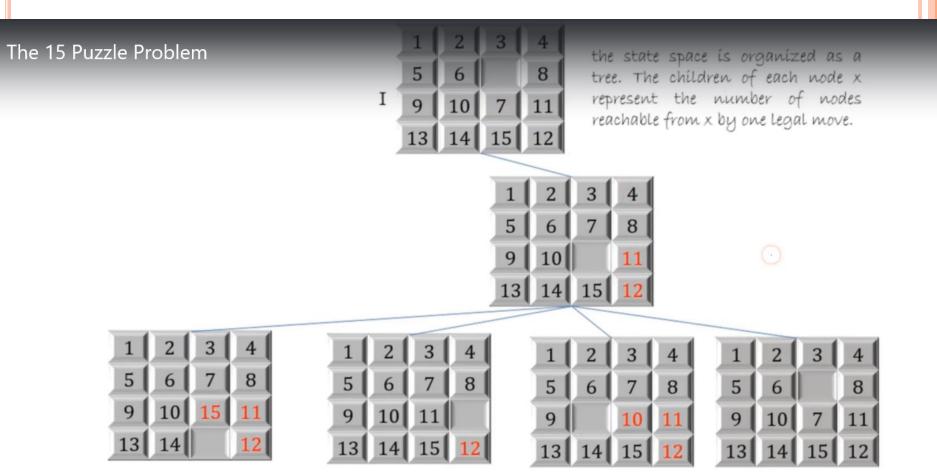
1	2	3	4
5	6		8
9	10	7	11
13	14	15	12

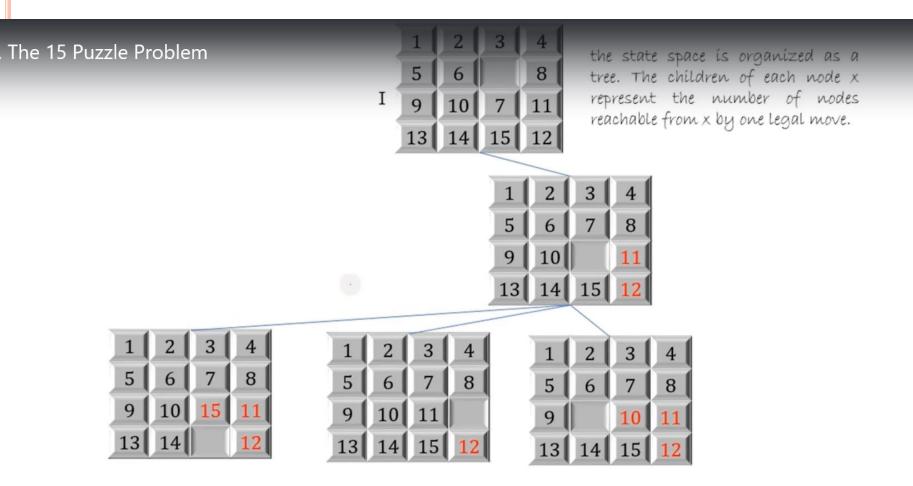
1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	

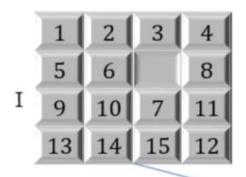
Initial State

Goal State









the state space is organized as a tree. The children of each node x represent the number of nodes reachable from x by one legal move.

1	2 [3	4
5	6	7	8
9	10		11
13	14	15	12

-		_	
1	2	3	4
5	6	7	8
9	10	11	
13	14	15	12

