```
# ------ Example Run ------
initial_state = [
      [2, 8, 3],
      [1, 6, 4],
      [0, 7, 5]
]

goal_state = [
      [1, 2, 3],
      [8, 0, 4],
      [7, 6, 5]
]

print("A* with Misplaced Tiles Heuristic")
a_star(initial_state, goal_state)
```

A* with Misplaced Tiles Heuristic Goal reached with cost: 6

[4]: True

```
return Faise
# ----- Example Run -----
initial_state = [
   [2, 8, 3],
   [1, 6, 4],
   [0, 7, 5]
goal_state = [
  [1, 2, 3],
   [8, 0, 4],
   [7, 6, 5]
print("A* with Manhattan Distance Heuristic")
a star(initial state, goal state)
```

A* with Manhattan Distance Heuristic Goal reached with cost: 6

[2]: True