

# A\* Extra Examples

- To show what happens when
  1. It encounters a node whose state is already on OPEN
  2. It encounters a node whose state is already on CLOSED

## A\* Example

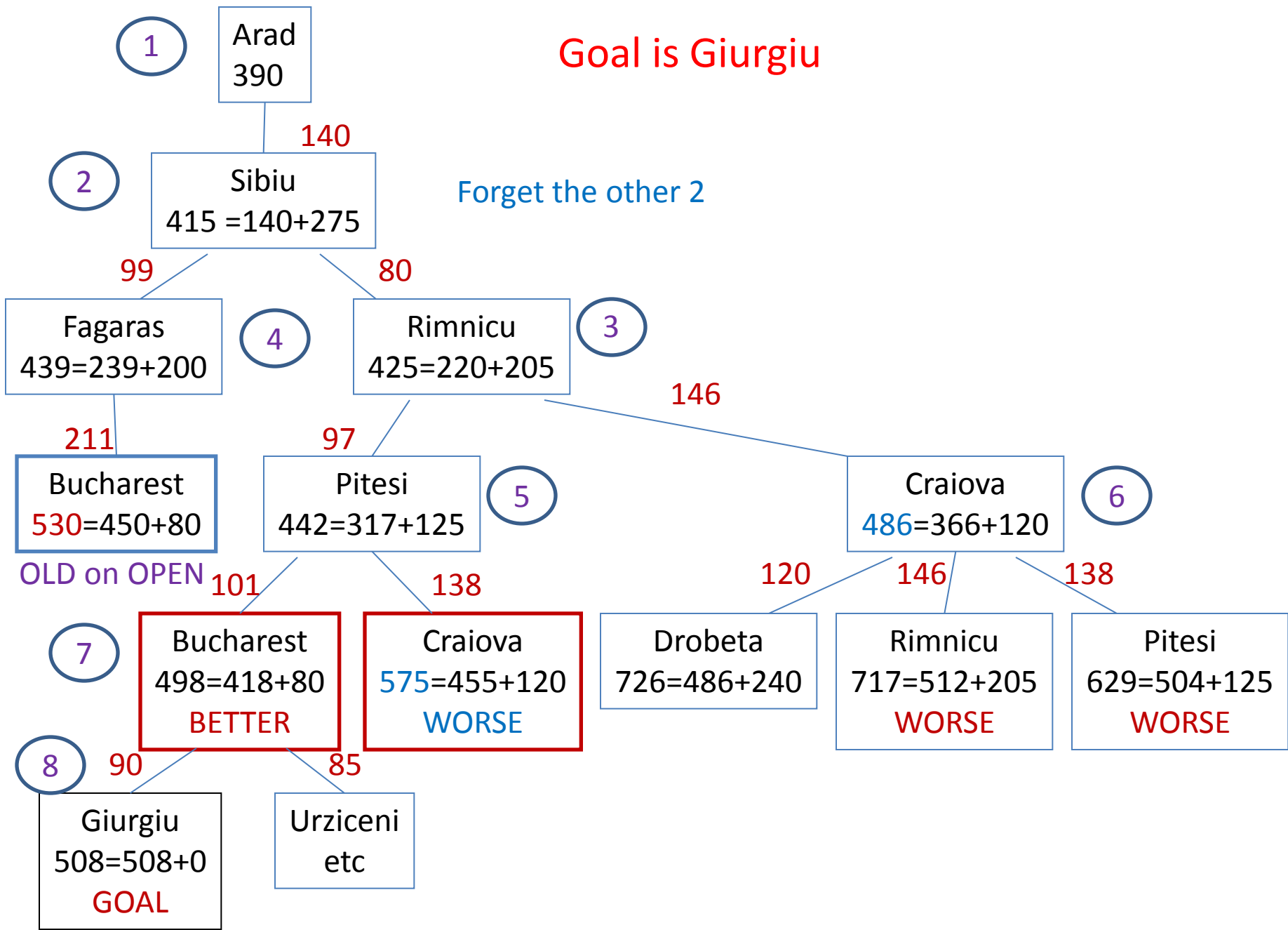
- Newly generated node  $s$ , but OLD on OPEN has the same state.
- Shortest path in Romania, but the goal is now Giurgiu, not Bucharest.

Straight line distances to Giurgiu (I made them up)

Arad	390
Sibiu	275
Fagaras	200
Rimnicu	205
Pitesi	125
Craiova	120
Bucharest	80
Drobeta	240

Goal is Giurgiu

Forget the other 2



# A\* Example (abstract, pretend it's time)

- Newly generated node s, but OLD on CLOSED has the same state.

