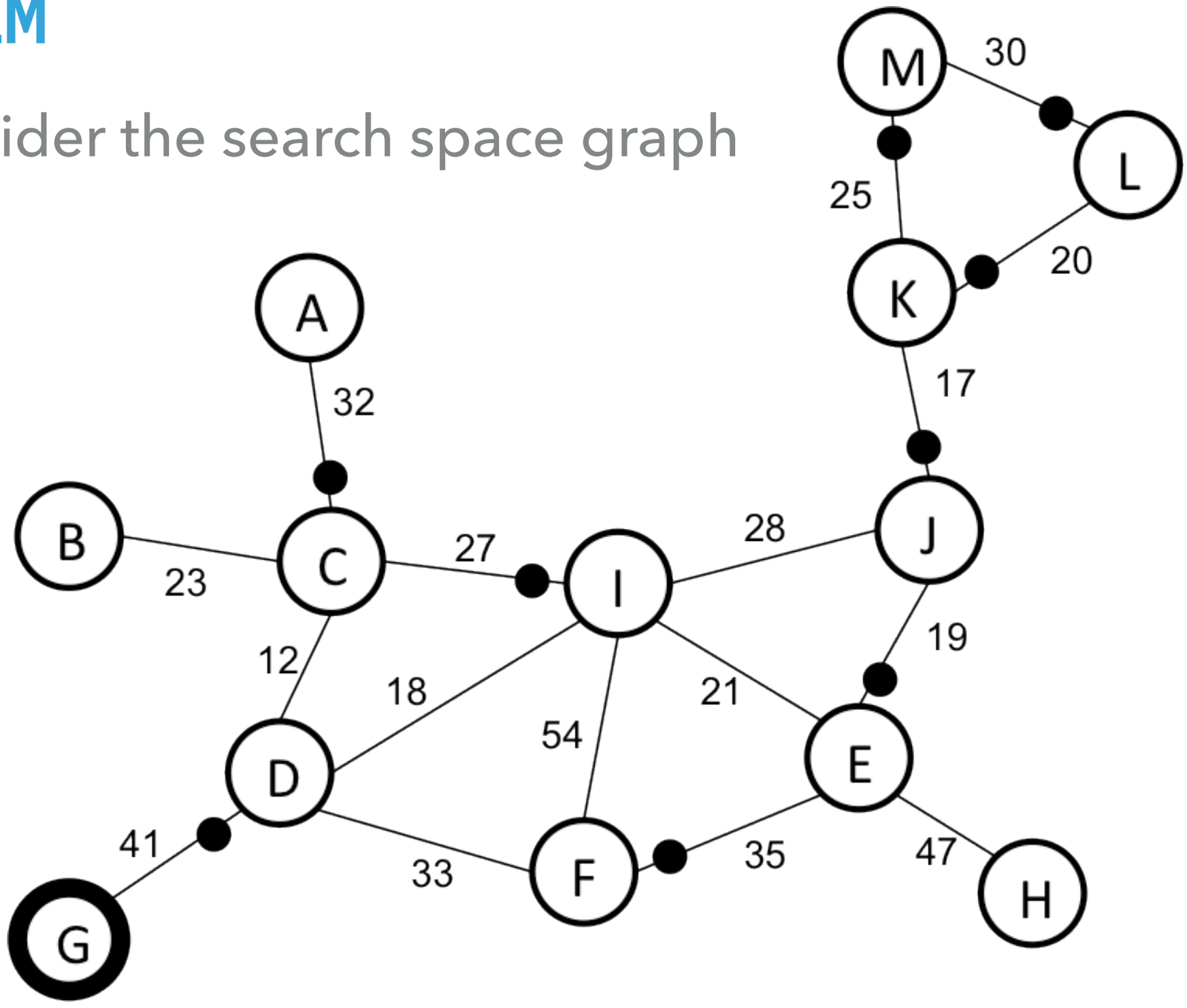
PROBLEM

- Consider the search space graph



PROBLEM

- **E** is the initial state, **G** is the goal state
- Costs are given next to each arc
- The order of expansion is defined as follows:
    1. start with a node connected by an arc that has a black dot next to our current node
    2. proceed in the counter-clockwise direction
- Expansion examples:
    - if we are in **E**, then we add first **J**, then **I**, **F** and **H**
    - if we are in **J**, then we add first **K**, then **I** and **E**

TASKS

- Explore the graph using the following search strategies
    1. Depth First
    2. Breadth First
    3. Lower Cost First
- Hint: assume that we know how to eliminate cycles (simply don’t add them to the frontier)