Kruskal & Prim’s Algorithms
Kruskal’s Algorithm
Kruskal’s Algorithm

- Starting with the smallest edge.
- Pick out edges as long as it doesn’t create a cycle in the graph.
- When all the nodes are covered, you have a minimum spanning tree!
Kruskal’s Algorithm
Kruskal’s Algorithm
Kruskal’s Algorithm

... OR
Kruskal’s Algorithm

NO!
Prim’s Algorithm
Prim’s Algorithm

- Pick a node.
- Pick out the shortest edge that’s connected to your tree so far.
- When all the nodes are covered, you have a minimum spanning tree!
Prim’s Algorithm
Prim’s Algorithm

Start here ➔
Prim’s Algorithm
Prim’s Algorithm
Prim’s Algorithm
Prim’s Algorithm
Prim’s Algorithm
Prim’s Algorithm
Prim’s Algorithm
Prim’s Algorithm

... OR
Prim’s Algorithm
Prim’s Algorithm
Prim’s Algorithm

... OR