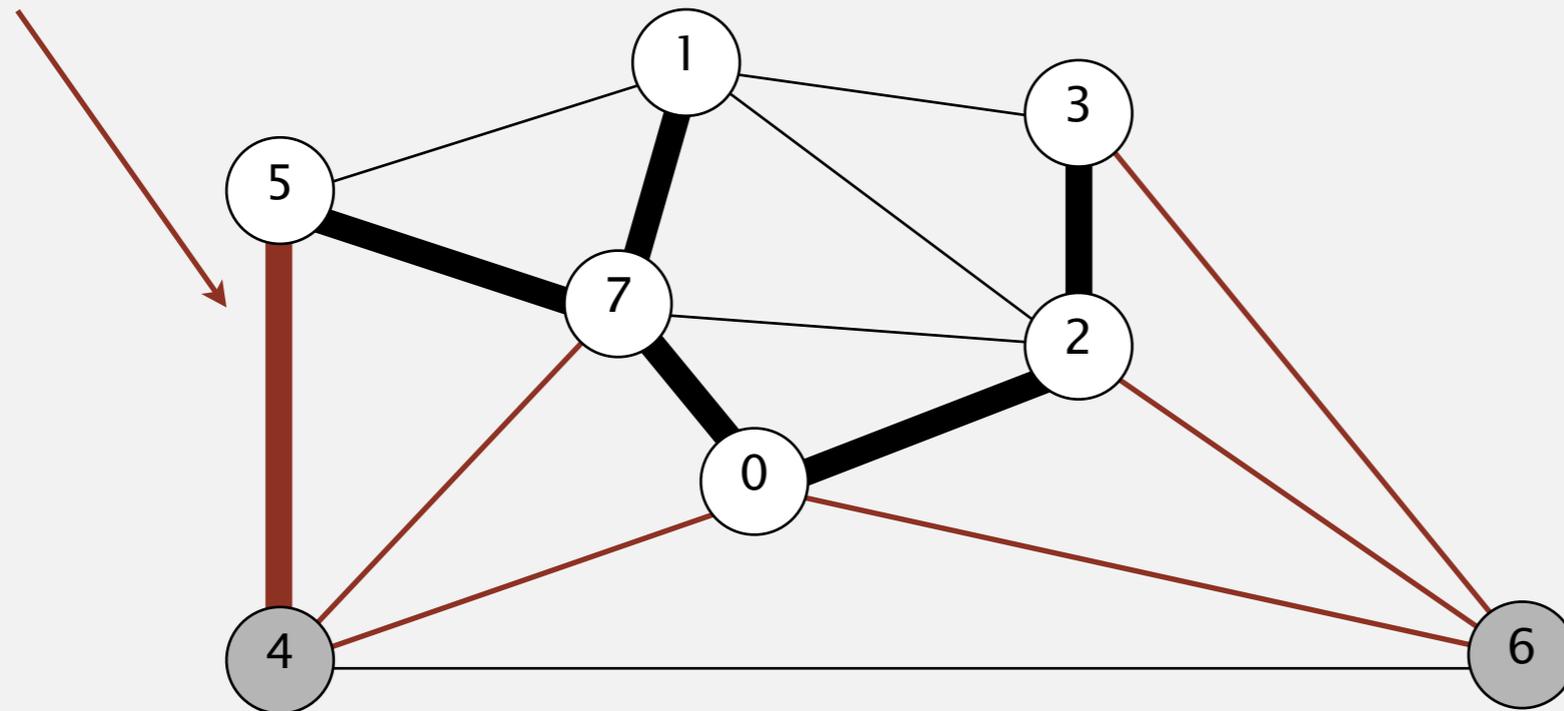


Prim's algorithm demo

- Start with vertex 0 and greedily grow tree T .
- Add to T the min weight edge with exactly one endpoint in T .
- Repeat until $V - 1$ edges.

min weight edge with exactly one endpoint in T



edges with exactly one endpoint in T (sorted by weight)

in MST →

4-5	0.35
4-7	0.37
0-4	0.38
6-2	0.40
3-6	0.52
6-0	0.58

MST edges

0-7 1-7 0-2 2-3 5-7