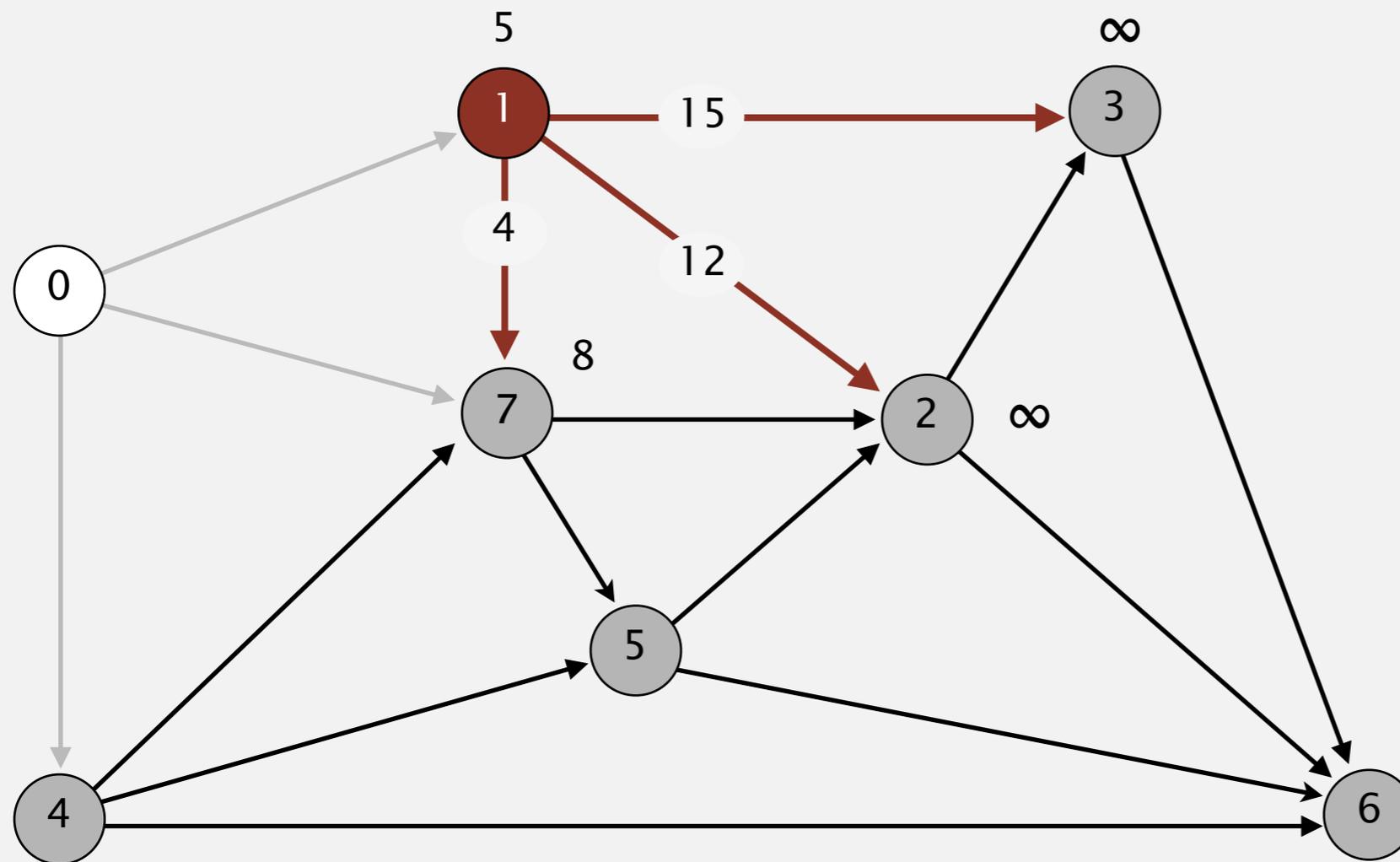


Dijkstra's algorithm demo

- Consider vertices in increasing order of distance from s (non-tree vertex with the lowest $\text{distTo}[]$ value).
- Add vertex to tree and relax all edges adjacent from that vertex.



| v | $\text{distTo}[]$ | $\text{edgeTo}[]$ |
|-----|-------------------|-------------------|
| 0 | 0.0 | - |
| → 1 | 5.0 | 0→1 |
| 2 | | |
| 3 | | |
| 4 | 9.0 | 0→4 |
| 5 | | |
| 6 | | |
| 7 | 8.0 | 0→7 |

relax all edges adjacent from 1