# Dijkstra's algorithm demo
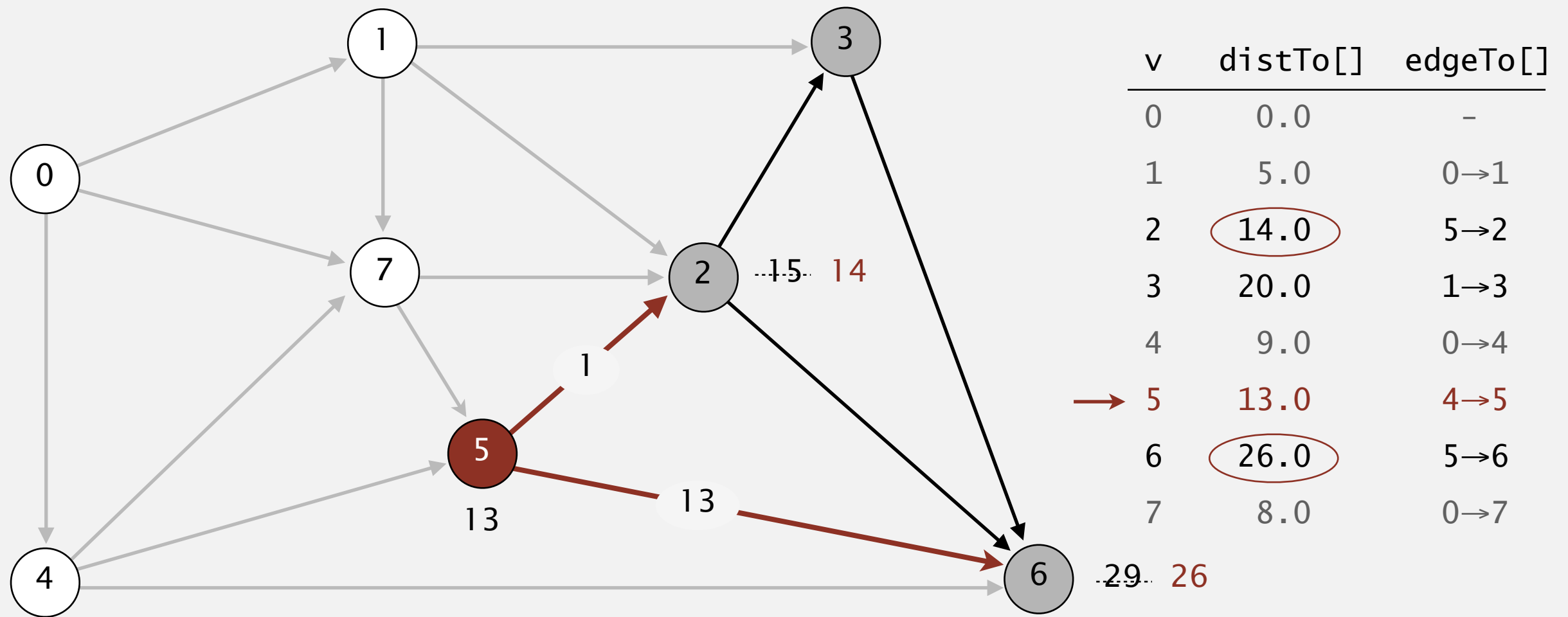
- Consider vertices in increasing order of distance from `s` (non-tree vertex with the lowest `distTo[]` value).
- Add vertex to tree and relax all edges adjacent from that vertex.



| v | distTo[] | edgeTo[] |
|---|----------|----------|
| 0 | 0.0 | - |
| 1 | 5.0 | 0→1 |
| 2 | 14.0 | 5→2 |
| 3 | 20.0 | 1→3 |
| 4 | 9.0 | 0→4 |
| 5 | 13.0 | 4→5 |
| 6 | 26.0 | 5→6 |
| 7 | 8.0 | 0→7 |

**relax all edges adjacent from 5**

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