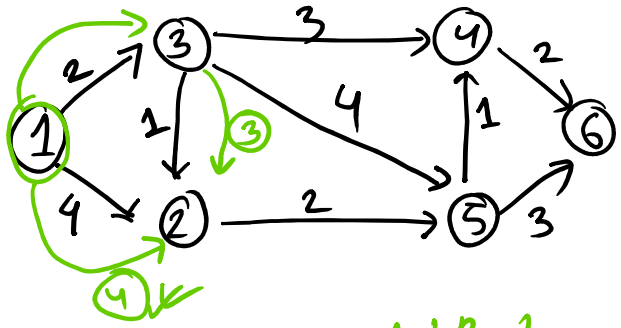
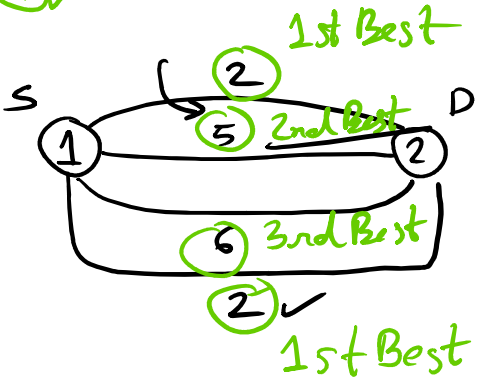
Problems on Dijkstra

Saturday, January 31, 2026 9:08 PM

2nd Best Shortest Path



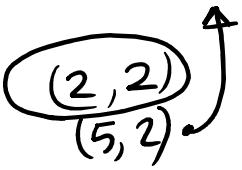
* MIN Heap / priority Queue
* Array of min cost path for every node

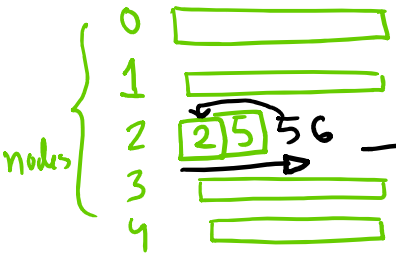


0 → 1 →

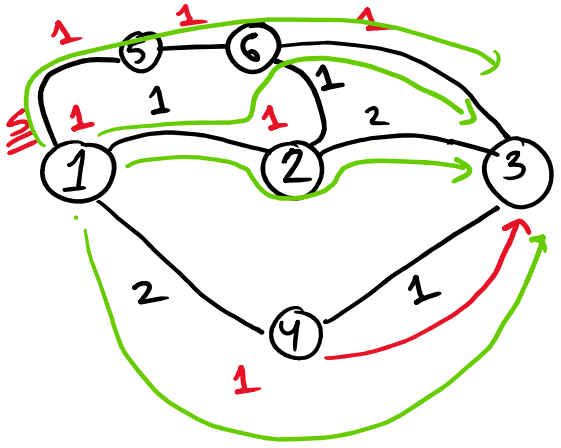
X $c_1 > c_2$

(2,1), (2,2), (5,c) (6,2)





→ mindis[2].back() ✓ / mindis[2][0] ✗



1+1 = 2+1 = 3+1 → 4

D = 3,1

1 → 2 → 3

1 → 4 → 3

Pq (Probability, Node)

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↳ MAX Heap ✓

Easy ——— ✓ → 10 }
Medium ——— ✓ → 25 } 2 weeks → BS, Graph, DP

(Hard) ———

↑

2 month

3-4 months → Medium

Comfortable	Need Practice	Unknown
BS	BFS, DFS	DP
2 days	3 days	1-2 Days