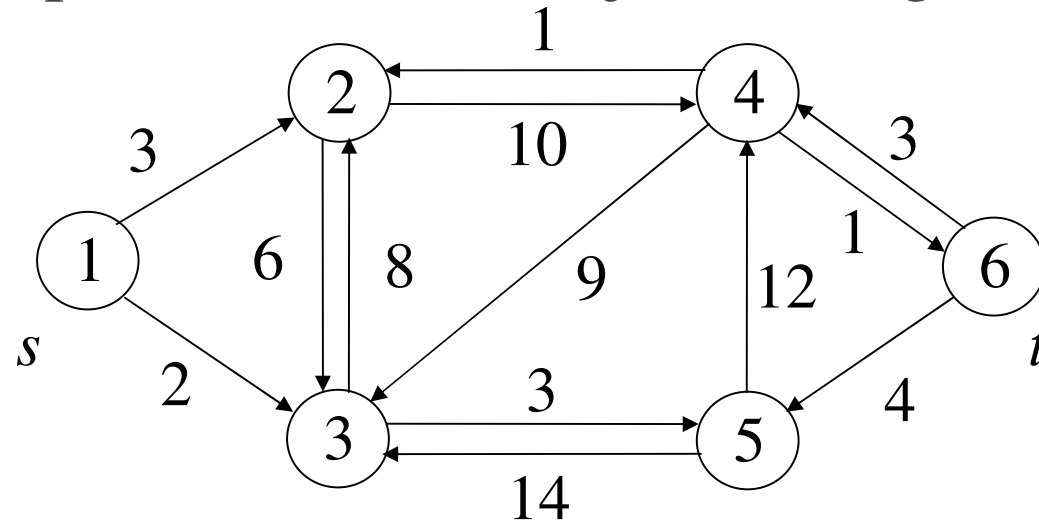


$O(n^2)$ implementation of Dijkstra's algorithm

Example,
revised



Two labels associated with each node j (even if not in S):

$L[j]$ = cost of the shortest path from s to j (if j in S)
= cost of a tentative shortest path from s to j (if j not in S)

$\text{pred}[j]$ = pred. of j in the shortest path from s to j (if j in S)
= pred. of j in tentative shortest path from s to j (if j not in S)

