

cycle = SCC

4.12

Dijkstra's Algorithm

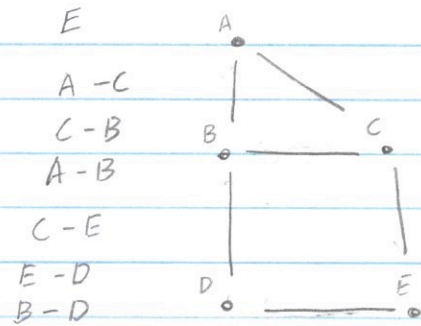
Shortest Cycle $(G, e): e(u, v)$

$s1 = \text{dijkstra}(u)$

$s2 = \text{dijkstra}(v)$

$s3 = \min(s1, s2)$

return $s3 + e.\text{key}$



smallest cycle
= SCC with least
of items
containing e