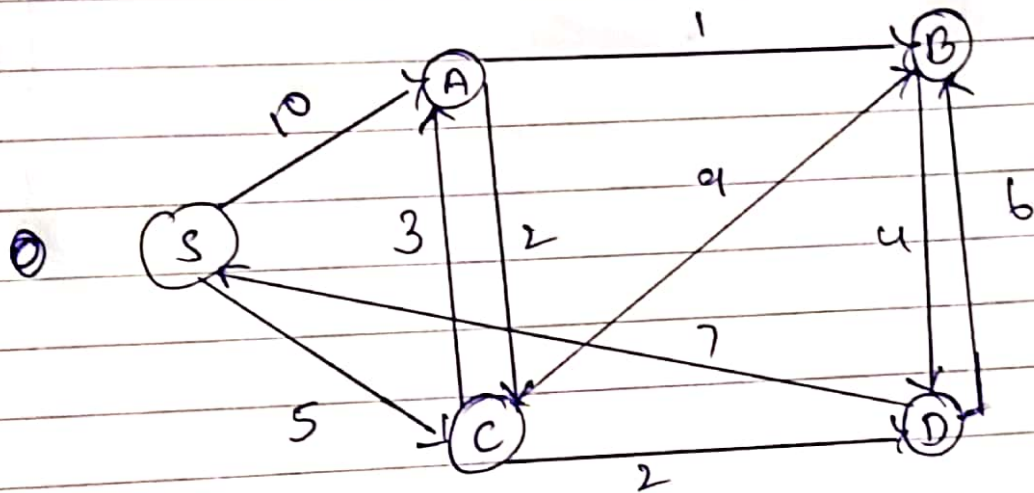


Dijkstra's Algorithm's

Assignment



The starting vertex is 'S'.

$s(-, 0)$ $a(s, 10)$ $b(-, \infty)$ $c(\underline{s}, 5)$ $d(-, \infty)$

$c(s, 5)$, $a(c, 8)$ $b(c, 14)$ $d(\underline{c}, 7)$

$d(c, 7)$ $a(\underline{d}, 8)$ $b(d, 13)$

$a(d, 8)$ $b(\underline{a}, 9)$

$b(a, 9)$

$s \text{ to } a = s - \gamma c - \gamma d - \gamma a = 8$

$s \text{ to } b = s - \gamma c - \gamma d - \gamma a - \gamma b = 9$

$s \text{ to } c = s - \gamma c = 5$

$s \text{ to } d = s - \gamma c - \gamma d = 7$