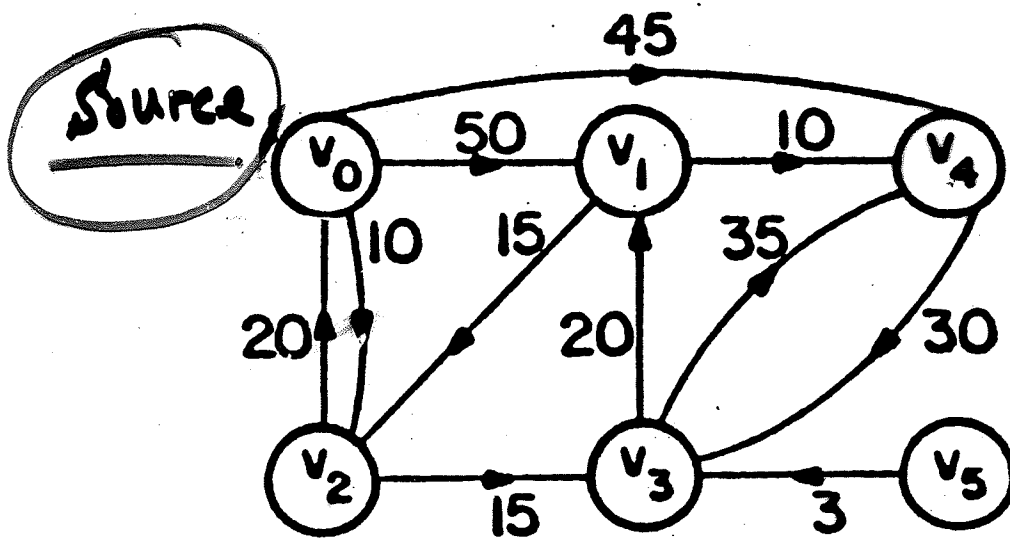


Shortest Path Algorithm in Networks (by Dijkstra)

Example: Single Source All Destinations.

Weight Adjacency Matrix is given.

Paths are generated in a non-decreasing order.



(a)

	<u>Path</u>	<u>Length</u>
1)	$v_0 v_2$	10
2)	$v_0 v_2 v_3$	25
3)	$v_0 v_2 v_3 v_1$	45
4)	$v_0 v_4$	45