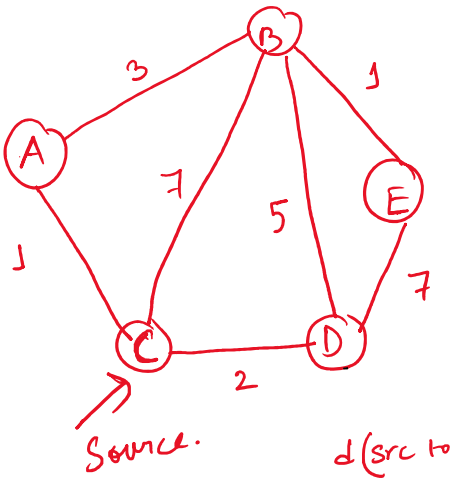
Z section 15 april

15 April 2025 08:22

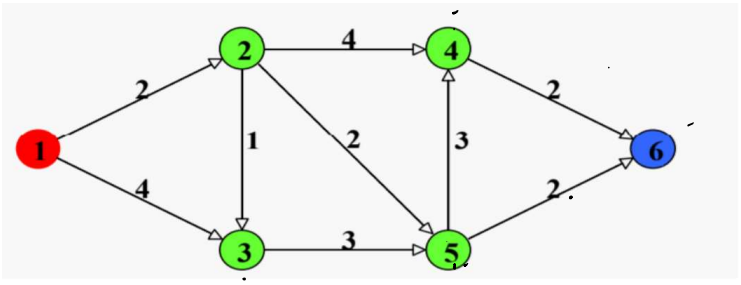
Djikstra Algo



Minimum Distance between source & node

Selected Nodes	A	B	C	D	E
	∞	∞	0	∞	∞
C	1	7		2	∞
A		4		2	∞
D		4			9
B					5

d(src to E via B)
= d(src to B) + d(B to E)
= 4 + 1 = 5



src to 6 = src to 4 + 4 to 6
= 6 + 2 = 8.

src to 3 = src to 2 + 2 to 3
= 2 + 1 = 3.

Selected Node	Distance of source from node 1	2	3	4	5	6
	0	∞	∞	∞	∞	∞
1		2	4	∞	∞	∞
2			3	6	4	∞
3				6	4	∞
5				6		6
4						6