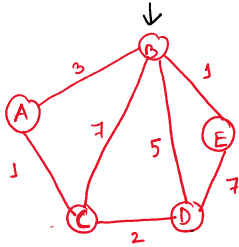


Solve by Dijkstra  
Algo and consider  
node C as source/  
starting point.

src to E =  $E \leftarrow B \leftarrow A \leftarrow C$



Selected Node	Distance of source from node				
	A	B	C	D	E
C	1	7	0	2	∞
A		4		2	∞
D		4			9
B					5

parent				
↓	↓	↓		↓
C	A	-1	C	B
A	B	C	D	E

~~src to A~~

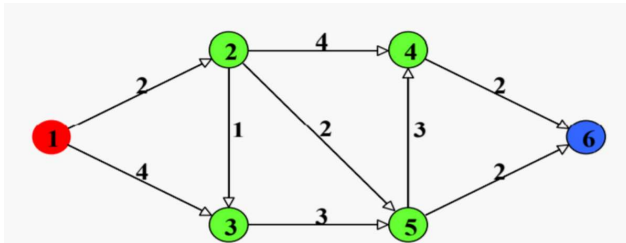
src to A =  $A \leftarrow C$

src to B =  $B \leftarrow A \leftarrow C$

src to C = C

src to D =  $D \leftarrow C$

$d(\text{src to B via A})$   
 $= d(\text{src to A}) + d(A \text{ to B})$



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