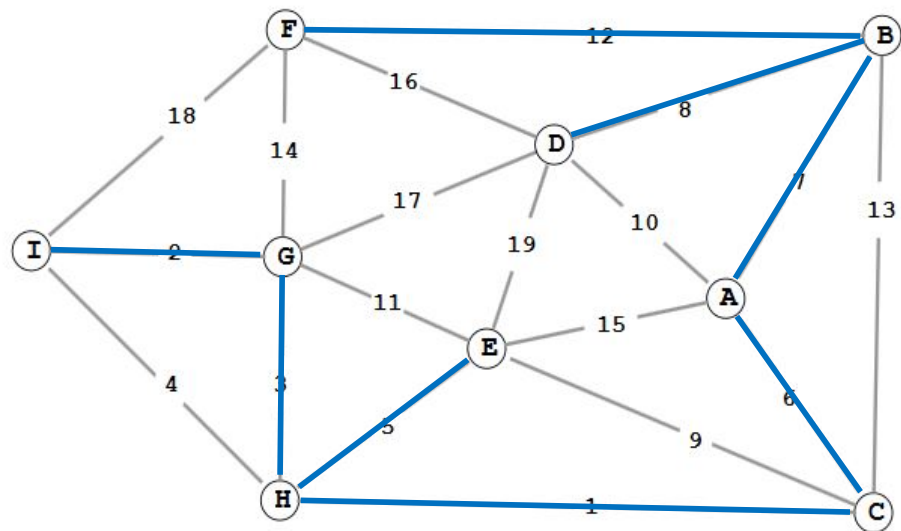


1. Prim's Algorithm

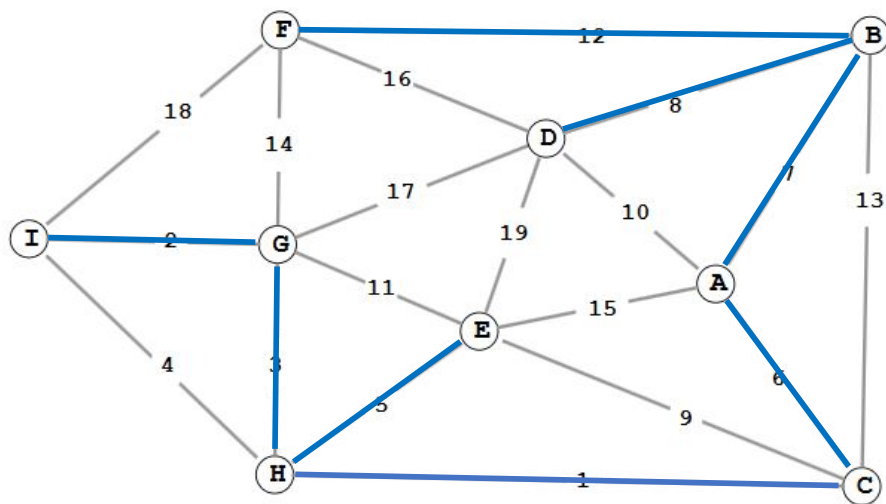


Order	Edge	Weight
1	H, C	1
2	G, H	3
3	I, G	2
4	H, E	5
5	A, C	6
6	A, B	7
7	D, B	8
8	F, B	12
TOTAL		44

2. Kruskal's Algorithm

Edge	Weight
H,C	1
I,G	2
G,H	4
H,E	5
A,C	6
A,B	7
D,B	8
E,C	9
D,A	10

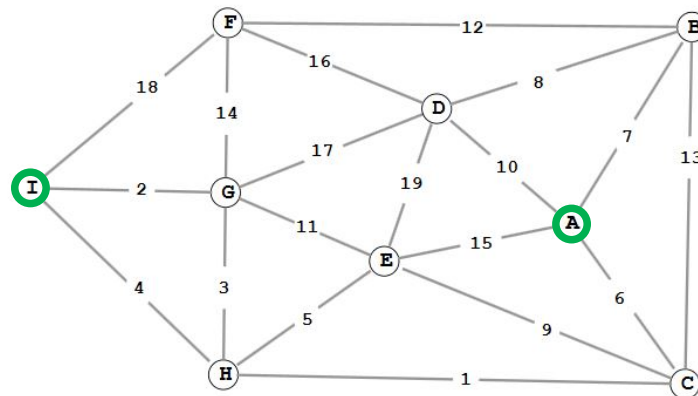
Edge	Weight
G,E	11
F,B	12
B,C	13
G,F	14
E,A	15
F,D	16
F,D	16
G,D	17
I,F	18
D,E	19



Order	Edge	Weight
1	H, C	1
2	I, G	2
3	G, H	3
4	H, E	5
5	A, C	6
6	A, B	7
7	D, E	8
8	F, B	12
TOTAL		44

3. Dijkstra's Algorithm

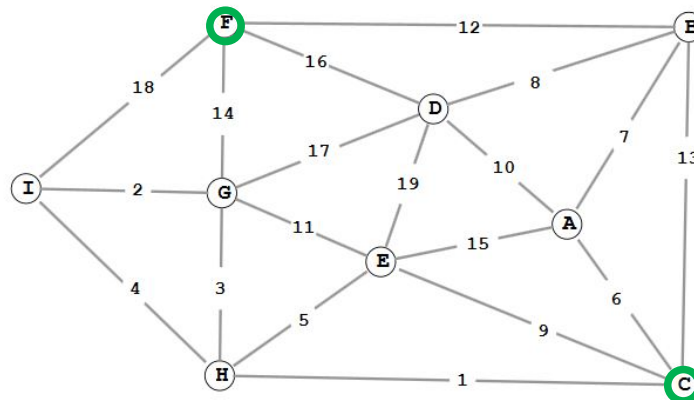
a) From I to A



I	G	F	H	D	E	C	B	A
0	2		5					
0			4			5		11

The shortest path: I -> H -> C -> A

b) From F to C



F	I	G	D	B	H	E	A	C
0				12				25
0			16	24				

The shortest path: F -> B -> C