**Kruskal's**

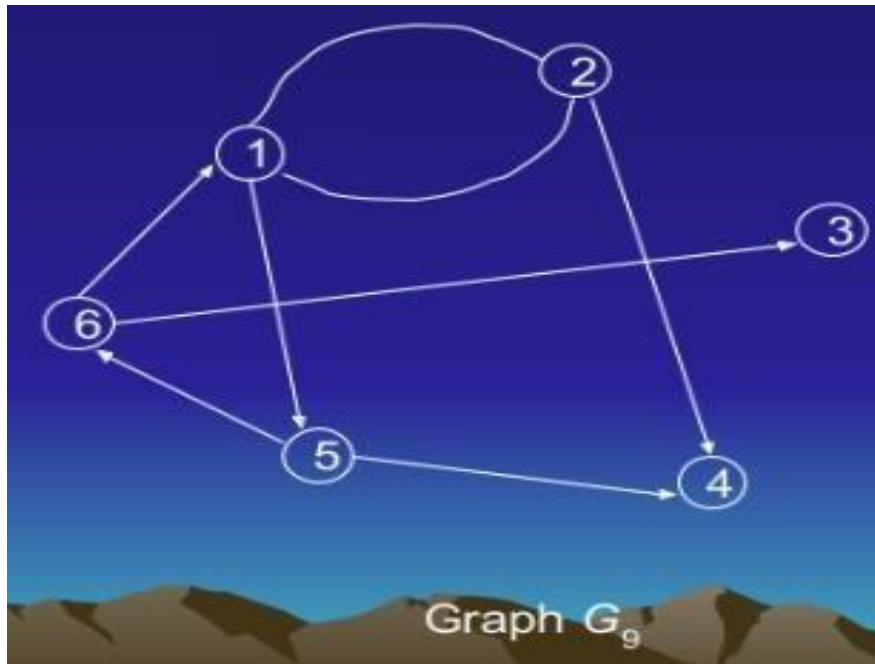
Edge (B, C)	$w(B, C) = 1$
Edge (M, N)	$w(M, N) = 1$
Edge (G, I)	$w(G, I) = 5$
Edge (D, L)	$w(D, L) = 6$
Edge (C, M)	$w(C, M) = 8$
Edge (F, I)	$w(F, I) = 9$
Edge (A, B)	$w(A, B) = 11$
Edge (D, K)	$w(D, K) = 13$
Edge (C, D)	$w(C, D) = 14$
Edge (G, J)	$w(G, J) = 16$
Edge (M, O)	$w(M, O) = 17$
Edge (C, F)	$w(C, F) = 21$
Edge (E, N)	$w(E, N) = 35$
Edge (M, P)	$w(M, P) = 40$

Total: **197****Prim's**

Edge (A, B)	$w(A, B) = 11$
Edge (B, C)	$w(B, C) = 1$
Edge (C, M)	$w(C, M) = 8$
Edge (M, N)	$w(M, N) = 1$
Edge (C, D)	$w(C, D) = 14$
Edge (D, L)	$w(D, L) = 6$
Edge (D, K)	$w(D, K) = 13$
Edge (M, O)	$w(M, O) = 17$
Edge (C, F)	$w(C, F) = 21$
Edge (F, I)	$w(F, I) = 9$
Edge (G, I)	$w(G, I) = 5$
Edge (G, J)	$w(G, J) = 16$
Edge (E, N)	$w(E, N) = 35$
Edge (M, P)	$w(M, P) = 40$

Total: **197**

## GRAPH 9



### Formal Description:

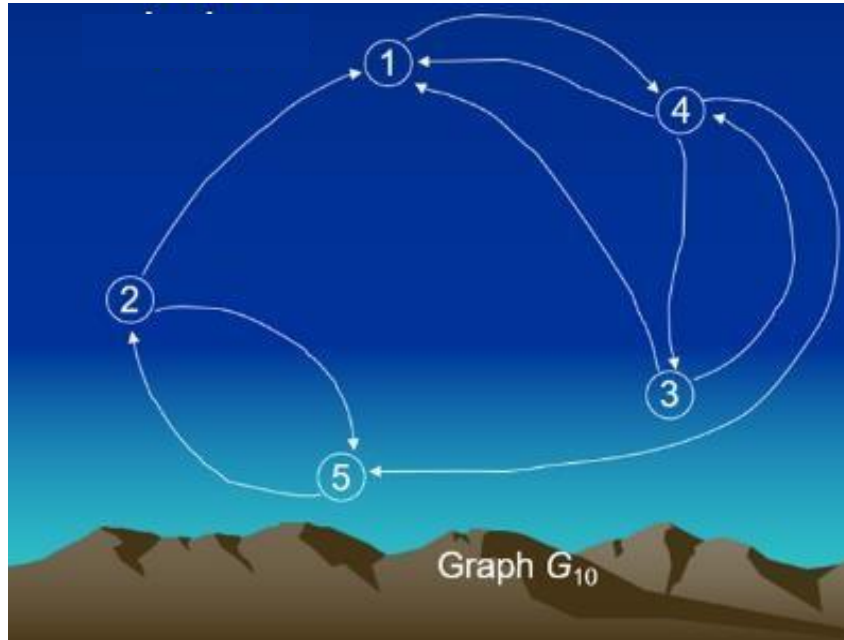
$$G_9 = (V_9, E_9)$$

$$V_9 = \{1, 2, 3, 4, 5, 6\}$$

$$E_9 = \{(1,2), (1,5), (2,1), (2,4), (5,4), (5,6), (6,3)\}$$

V	Indegree	Outdegree
1	2	2
2	1	2
3	1	0
4	2	0
5	1	2
6	1	2

## GRAPH 10



### Formal Description:

$$G_{10} = (V_{10}, E_{10})$$

$$V_{10} = \{1, 2, 3, 4, 5\}$$

$$E_{10} = \{(1,4), (2,1), (2,5), (3,1), (3,4), (4,1), (4,3), (4,5), (5,2)\}$$

V	Indegree	Outdegree
1	3	1
2	1	1
3	1	2
4	2	3
5	2	1