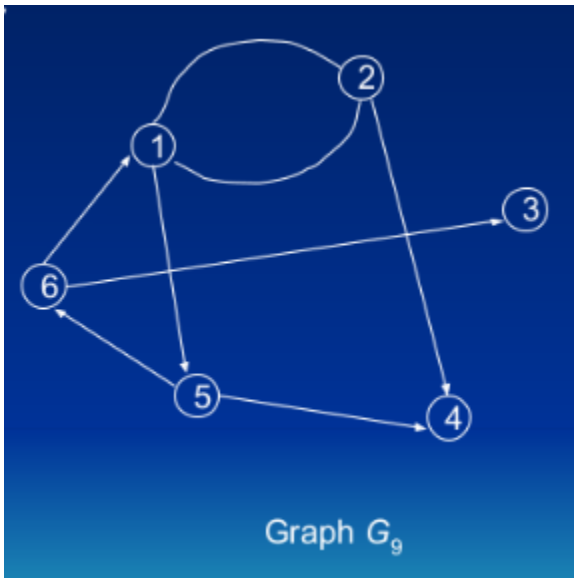
GRAPHS

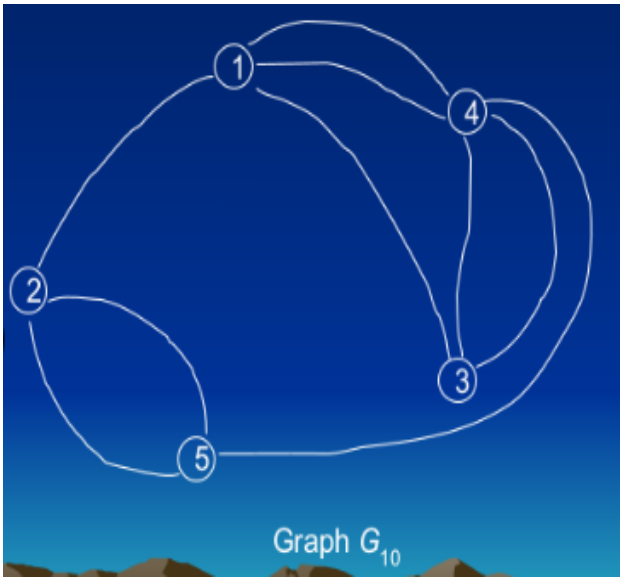


$G_9 = (V_9, E_9)$

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

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

Outdegree of 1 is 2	Indgree of 1 is 2
Outdegree of 2 is 2	Indegree of 2 is 1
Outdegree of 3 is 0	Indegree of 3 is 1
Outdegree of 4 is 0	Indegree of 4 is 2
Outdegree of 5 is 2	Indegree of 5 is 1
Outdegree of 6 is 2	Indegree of 6 is 1

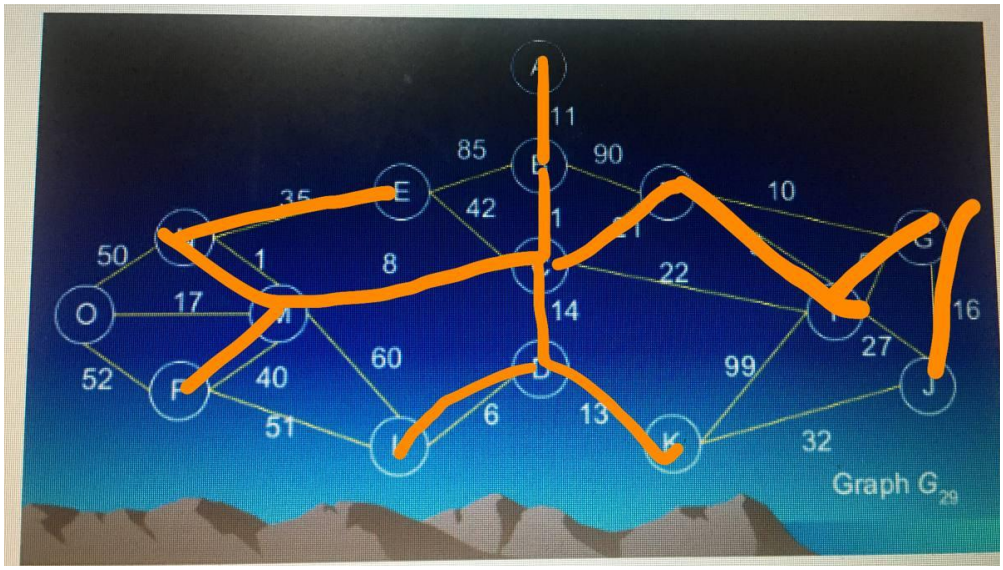


$G_{10} = (V_{10}, E_{10})$

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

$E_{9} = \{(1, 4), (2, 1), (2, 5), (3, 1), (3, 4), (4, 1), (4, 3), (4, 5), (5, 2)\}$

Outdegree of 1 is 1	Indgree of 1 is 3
Outdegree of 2 is 2	Indegree of 2 is 1
Outdegree of 3 is 2	Indegree of 3 is 1
Outdegree of 4 is 3	Indegree of 4 is 2
Outdegree of 5 is 1	Indegree of 5 is 2



Kruskal

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 (f,g) w(f,g) = 10
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 (c,i) w(c,i) = 22
Edge (i,j) w(i,j) = 27
Edge (j,k) w(j,k) = 32
Edge (e,n) w(e,n) = 35
Edge (m,p) w(m,p) = 40
Edge (c,e) w(c,e) = 42
Edge (n,o) w(n,o) = 50
Edge (l,p) w(l,p) = 51
Edge (o,p) w(o,p) = 52
Edge (l,m) w(l,m) = 60
Edge (b,e) w(b,e) = 85
Edge (b,f) w(b,f) = 90
Edge (i,k) w(i,k) = 99

Total: 197

Prim'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