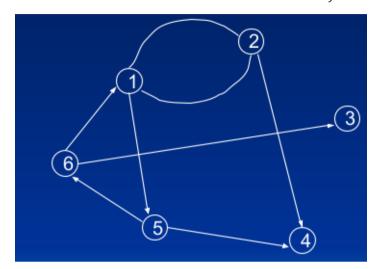
BSCPE 2-1

Exercise on Graphs

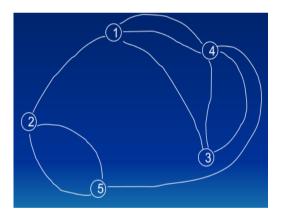
 $GRAPH_9$



$G_9 = (V9, E9)$
$V_9 = \{1, 2, 3, 4, 5, 6\}$
$E_9 = \{(1, 2), (1, 5), (2, 1), (2, 4), (5, 4),$
(5, 6), (6, 1), (6, 3)}

V	INDEGREE	OUTDEGREE
1	2	2
2	1	2
3	1	0
4	2	0
5	1	2
6	1	2

 $GRAPH_{10}$

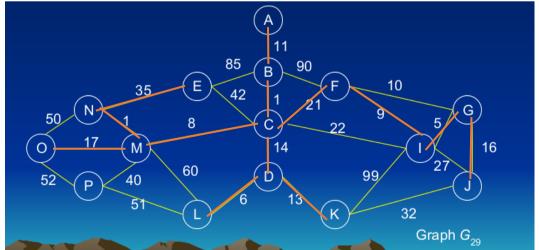


$$G_{10} = (V10, E10)$$

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

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

V	INDEGREE	OUTDEGREE
1	3	1
2	1	1
3	1	2
4	2	3
5	2	1



Kruskal's	Prim's	
C W/D C -1		

Edge (D, K) $w(D, K) = 13$ $edge (D, K)$ $w(D, K) = 13$ $edge (D, K)$ $w(D, K) = 13$ $edge (D, K)$ $edge (M, O)$	Edge (C D) - 14	M) w(C, M) = 8 N) w(M, N) = 1 D) w(C, D) = 14 L) w(D, L) = 6 K) w(D, K) = 13 O) w(M, O) = 17
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