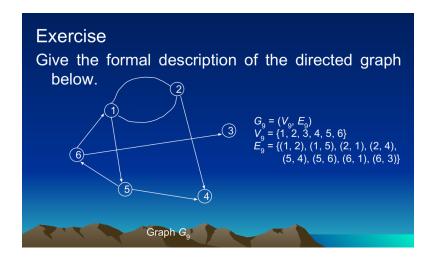
ACTIVITIES ON GRAPHS

GRAPH 9 (G₉)

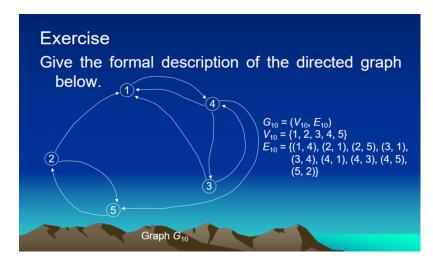
Give the formal description of the directed graph below.



VERTICES	IN-DEGREE	OUT-DEGREE
1	2	2
2	1	2
3	1	0
4	2	0
5	1	2
6	1	2

GRAPH 10 (G₁₀)

Give the formal description of the directed graph below.

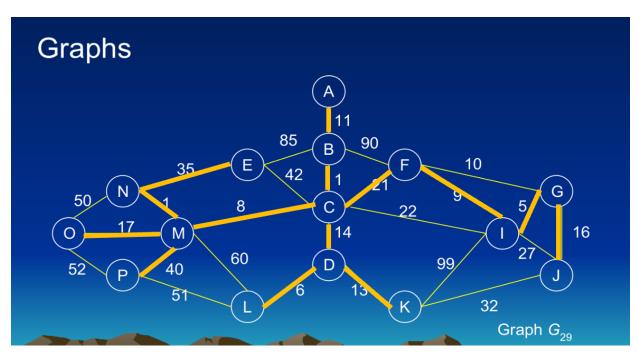


VERTICES	IN-DEGREE	OUT-DEGREE
1	3	1
2	1	2
3	1	2
4	2	3
5	2	1

Given the graphs on the next slides, construct the minimum cost spanning tree by using Kruskal's algorithm and Prim's algorithm with starting vertex E (for G28) and vertex A (for G29).

NOTE: G₂₈ was performed during discussion.

Kruskal's and Prim's:



Kruskal's Algorithm		Prim's Algori	Prim's Algorithm			
e(B,C)	w	1	e(A,B)	w	11	
e(N,M)	W	1	e(B,C)	w	1	
e(G,I)	w	5	e(C,M)	w	8	
e(D,L)	w	6	e(M,N)	w	1	
e(C,M)	W	8	e(C,D)	W	14	
e(F,I)	w	9	e(D,L)	w	6	
e(A,B)	w	11	e(D,K)	w	13	
e(D,K)	W	13	e(M,O)	W	17	
e(C,D)	w	14	e(C,F)	w	21	
e(G,J)	w	16	e(F,I)	w	9	
e(M,O)	W	17	e(G,I)	w	5	
e(C,F)	W	21	e(G,J)	w	16	
e(E,N)	W	35	e(E,N)	w	35	
e(M,P)	w	40	e(M,P)	w	40	
TOTAL:	OTAL: 197		TOTAL:	197		