1. G28
   Vg28 - (M,E,I,H,K,J,F,P)
   Eg28 - (M,E) (E,I) (E,J) (I,H) (I,F) (H,J) (H,K) (J,K) (J,E) (F,I) (F,K) (F.P)(K,E)(K,F) (P,F)

2. matrix representation

Matrix	M	E	I	H	K	J	F	P
M	0	69	0	0	0	0	0	0
E	0	0	33	0	0	32	0	0
I	0	0	0	16	0	0	70	0
H	0	0	0	0	100	22	0	0
K	0	41	0	0	0	0	51	0
J	0	58	0	0	0	0	32	0
F	0	0	43	0	51	0	0	70
P	0	0	0	0	0	0	70	0

Adjacency list

0	E	I→33	K→41	J→58	M→69
1	F	J→32	I→43	K→51	P→70
2	H	I→16	J→22	K→100	
3	I	H→16	E→33	F→43	
4	J	H→22	F→32	E→58	
5	K	E→41	F→51	H→100	
6	M	E→69			
7	P	F→70			

3.