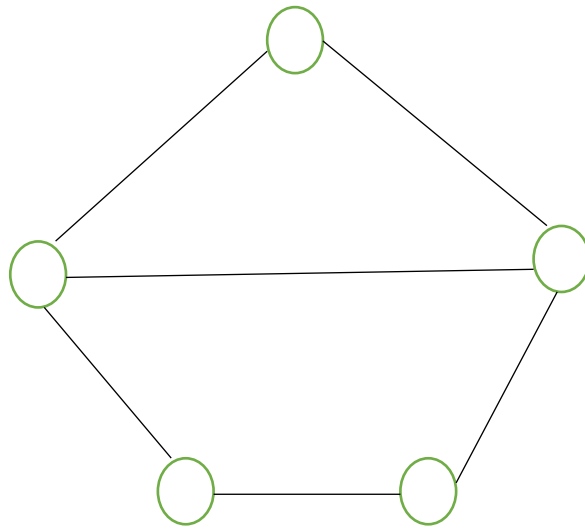


Graph 1

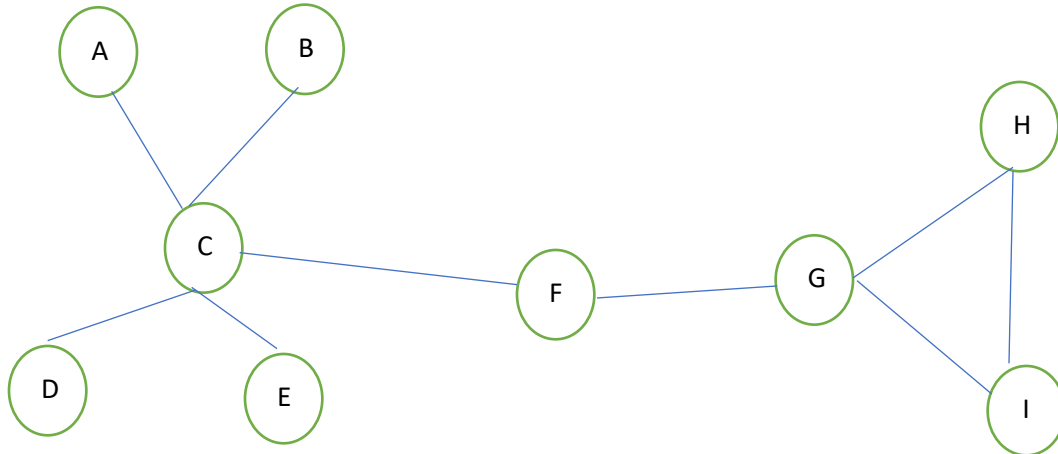


	A	B	C	D	E	RM
A	0	1	0	0	1	2
B	1	0	1	0	1	3
C	0	1	0	1	0	2
D	0	0	1	0	1	2
E	1	1	0	1	0	3
CM	2	3	2	2	3	0

RM = CM, they are both degree centrality for each actor/node in the graph

Density = $6/10 = 60\%$

Graph 2



	A	B	C	D	E	F	G	H	I	RM
A	0	0	1	0	0	0	0	0	0	1
B	0	0	1	0	0	0	0	0	0	1
C	1	1	0	1	1	1	0	0	0	5
D	0	0	1	0	0	0	0	0	0	1
E	0	0	1	0	0	0	0	0	0	1
F	0	0	1	0	0	0	1	0	0	2
G	0	0	0	0	0	1	0	1	1	3
H	0	0	0	0	0	0	1	0	1	2
I	0	0	0	0	0	0	1	1	0	---

$$density = \frac{9}{C_9^2} = \frac{9}{36} = 25\%$$

$$C_9^2 = \frac{9!}{2! \times (9-2)!} = \frac{9!}{2 \times 7!} = 36$$