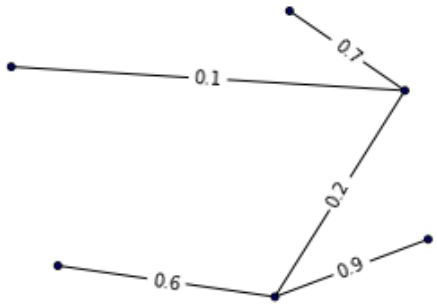
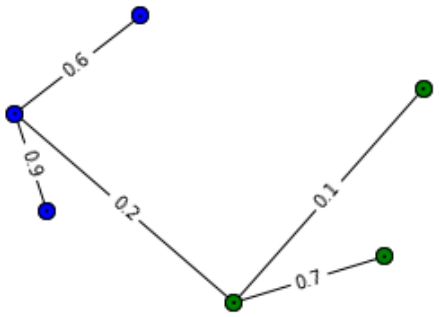


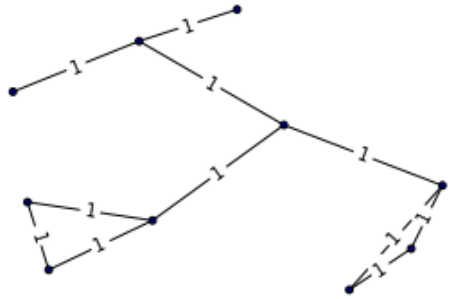
(a) A graph G



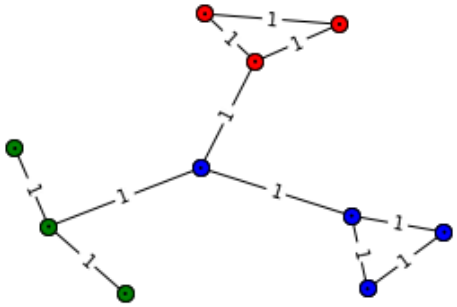
(b)

Figure 1: The out put of algorithm for 2 clusters on G.

G=nx.Graph() G.add_edge(0,1,weight=0.6)
G.add_edge(0,2,weight=0.2)
G.add_edge(2,3,weight=0.1)
G.add_edge(2,4,weight=0.7)
G.add_edge(0,5,weight=0.9)



(a) A graph G



(b)

Figure 2: The out put of algorithm for 3 clusters on G .

```
G=nx.Graph()
G.add_edge(0,1,weight=1)
G.add_edge(0,2,weight=1)
G.add_edge(2,4,weight=1)
G.add_edge(2,5,weight=1)
G.add_edge(0,3,weight=1)
G.add_edge(6,3,weight=1)
G.add_edge(7,3,weight=1)
G.add_edge(8,1,weight=1)
G.add_edge(9,1,weight=1)
G.add_edge(9,8,weight=1)
G.add_edge(6,7,weight=1)
```