

- You can use any programming language you like. No restriction.
- Partial marking is available. So, try to perform as much as you can.
- You will get 2 hours in total.

Problem 1.

In the adjacency matrix representation of Graph, write a function *getNetWeight(int v)*, which takes a vertex as argument, and returns the difference (+ve) between the total weights of incoming and outgoing edges incident on that vertex. For example, in Fig. 1, net weight of vertex E is 1 (5+3-7).

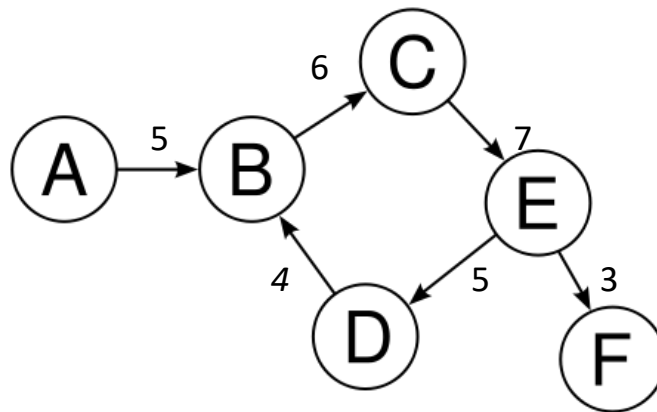


Fig. 1

Problem 2.

In the adjacency list representation of Graph, write a function *getNeighborCount(int v)*, that takes a vertex as argument, and returns the number of neighbors that the vertex has.

Points:

Problem no.	Points
1	10
2	10