```
achyutjagini@Abhijays-Air week 8 % ./a.out
1 3
1 2
1 4
1 1
1 5
2
3 2 1 4 5
3
1 2 3 4 5
4
1 2 5 4 3
5 3
2
4 2 1 5
3
1 2 4 5
4
1 2 5 4
5 4
3
1 2 5
0
```