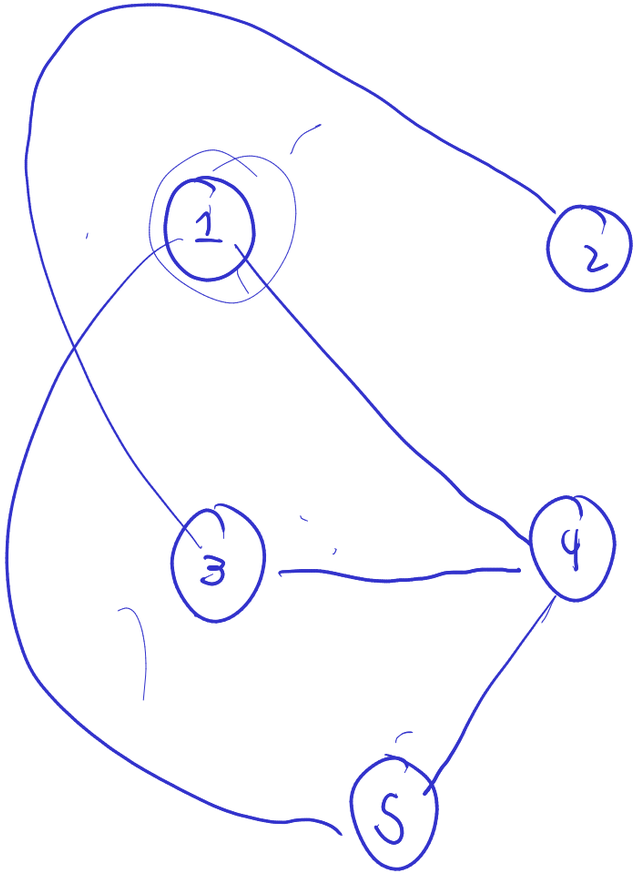
```
5 5
1 4
3 4
5 4
3 2
1 5
```



DFS

pile = [1] Sol = [1]

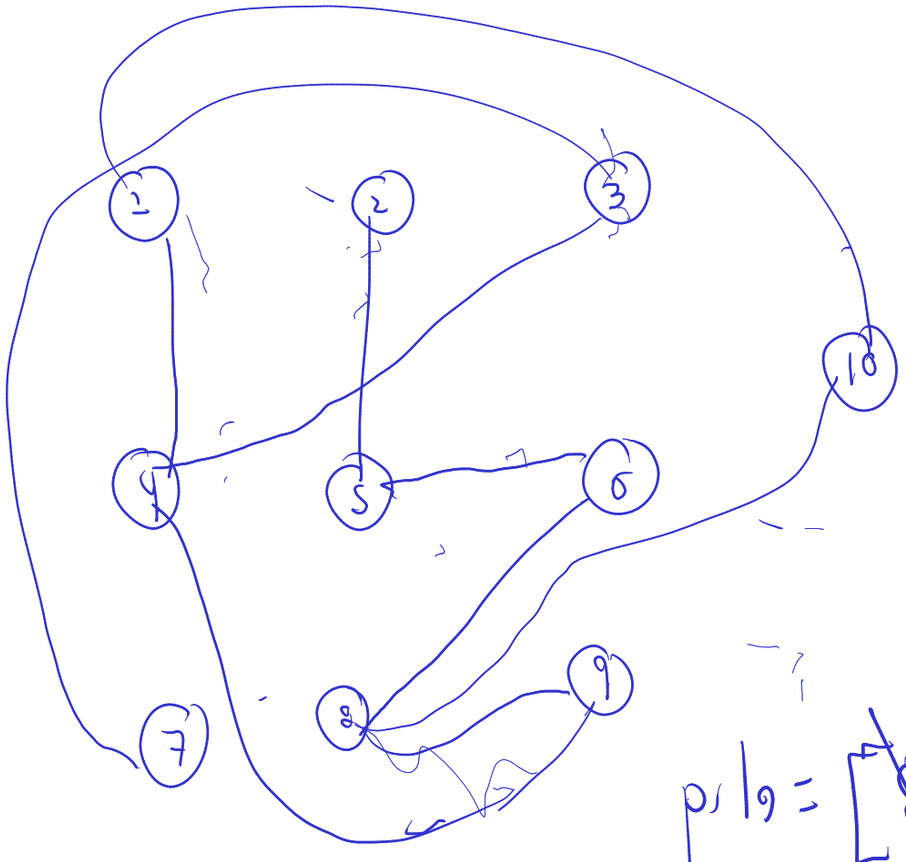
pile = [4 5] Sol = [1, 4]

pile = [3 5] Sol = 1, 4, 3

pile = [2 5] Sol = 1, 4, 3, 2

pile = [5] Sol = 1, 4, 3, 2, 5

```
10 10
1 4
6 8
2 5
3 7
9 4
5 6
3 4
8 10
8 9
1 10
```



pilo = [1] Sol = [1]

pilo = [4 10] Sol = 1, 4

pilo = [3 9 10] Sol = 1, 4, 3

pilo = [7 9 10] Sol = 1, 4, 3, 7

pilo = [8 10] Sol = 1, 4, 3, 7, 9

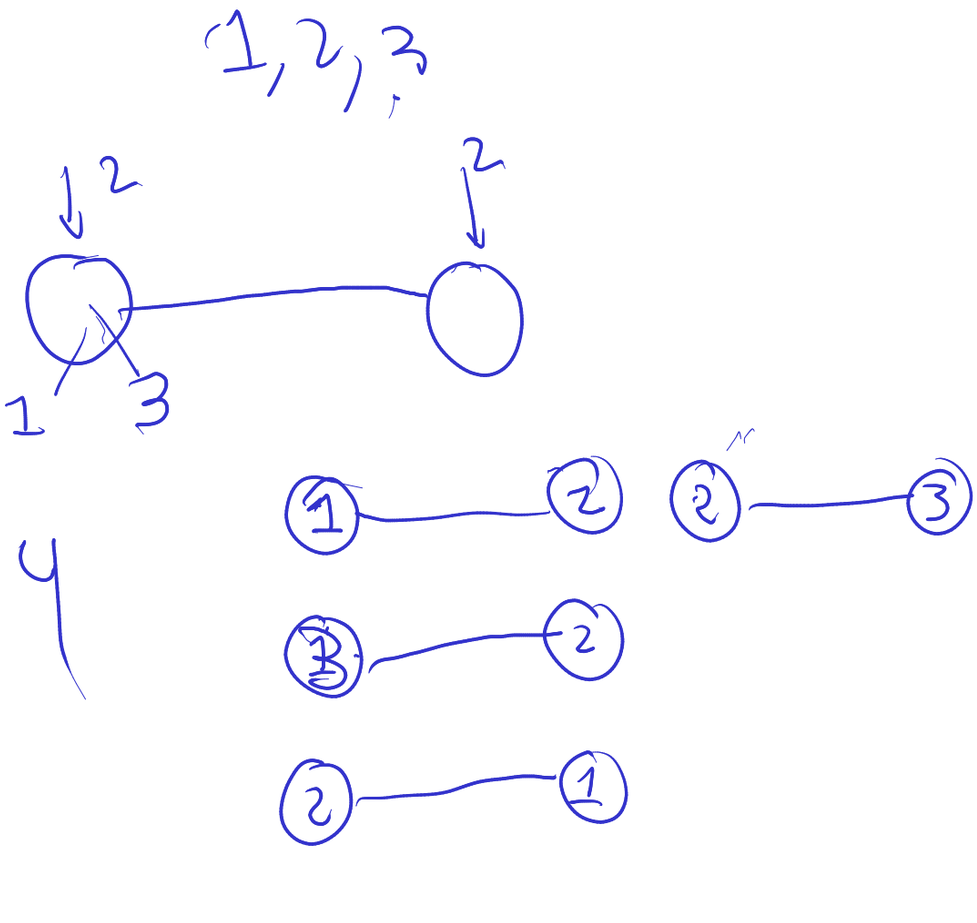
pilo = [8 10] Sol = 1, 4, 3, 7, 9, 8

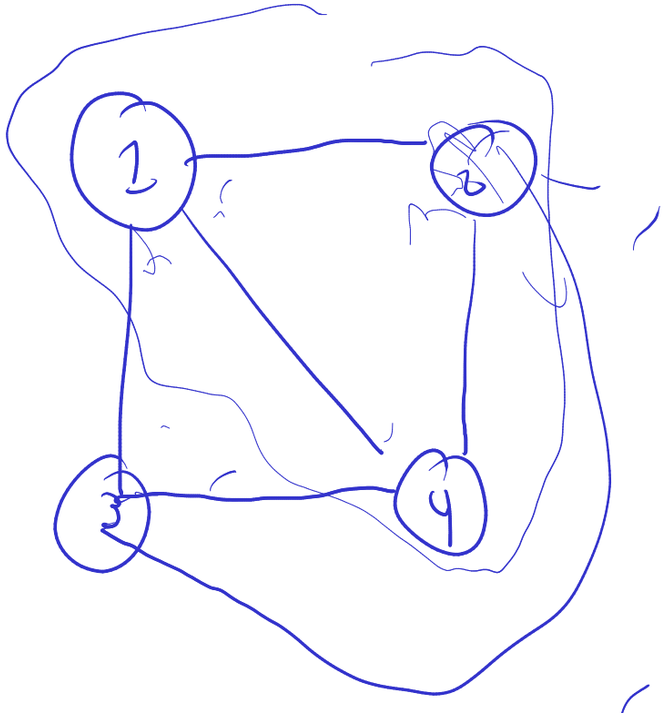
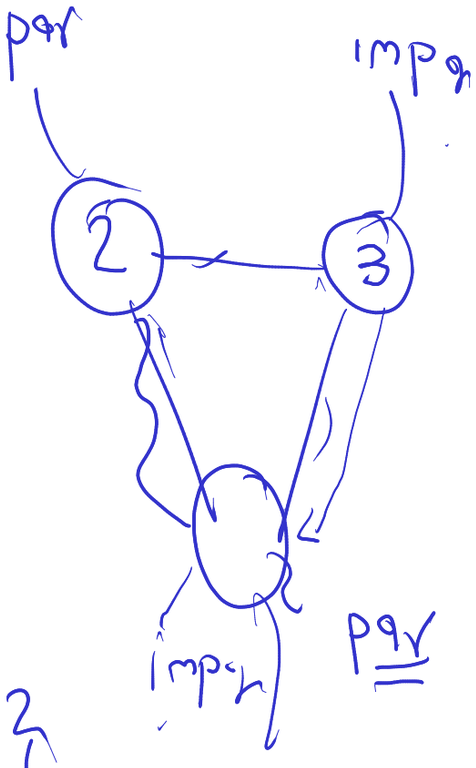
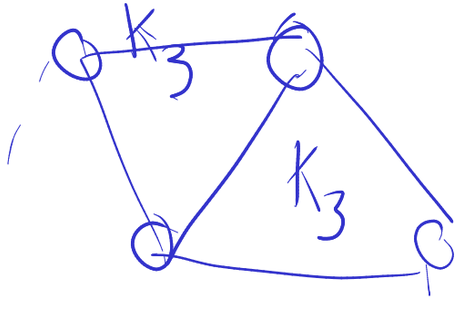
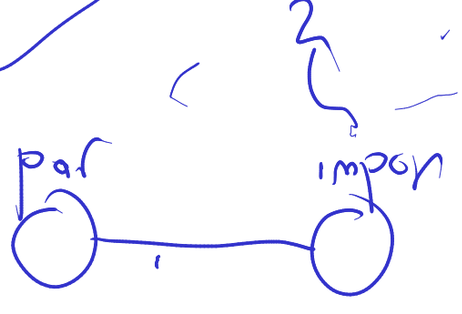
pilo = [9 10] Sol = 1, 4, 3, 7, 9, 8, 6

pilo = [5 10] Sol = 1, 4, 3, 7, 9, 8, 6, 5

pilo = [8 10] Sol = 1, 4, 3, 7, 9, 8, 6, 5, 2, 10

2 1
1 2



$2 \times 2 = 4$

4 6
1 2
1 3
1 4
2 3
2 4
3 4