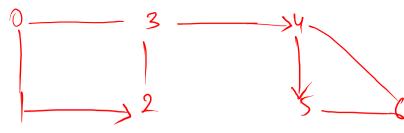
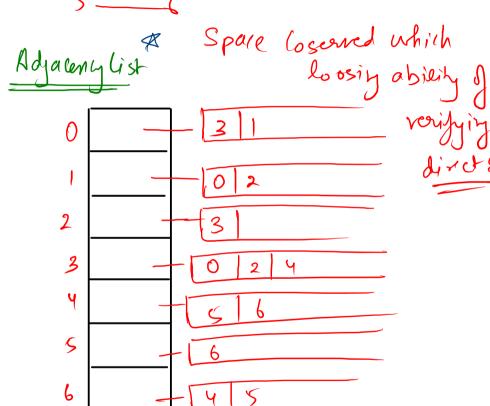
has path shockst poth All poths -> Social media * Every Tree is a graph with on -> Talecton sicher Exaption of a special stutus sor. -> Metro /Train * Every grouph is not a tree. pethy graph -> cycles allowed trees -> cycles not allowed.

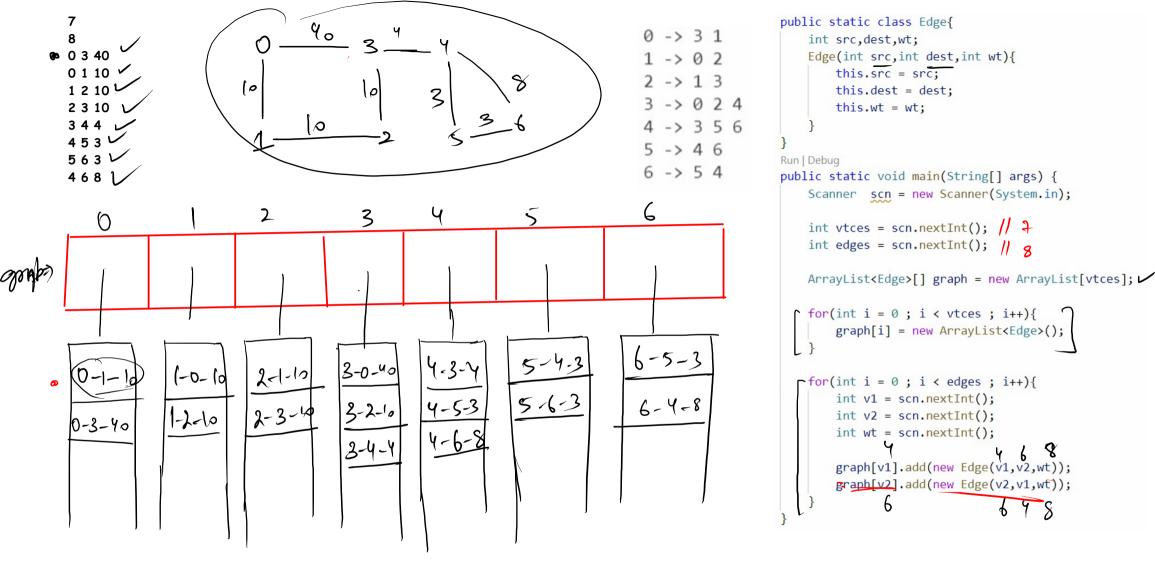


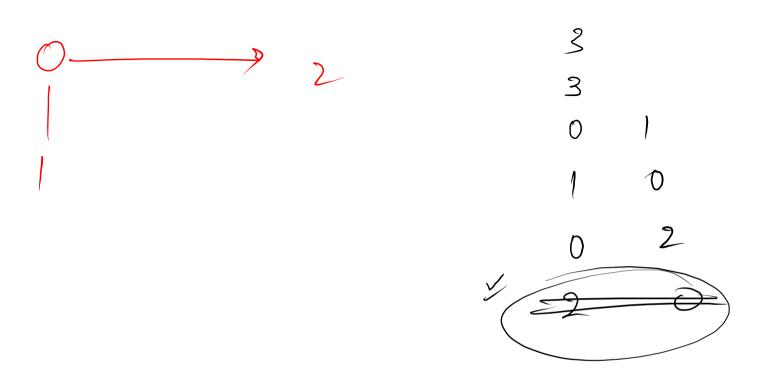


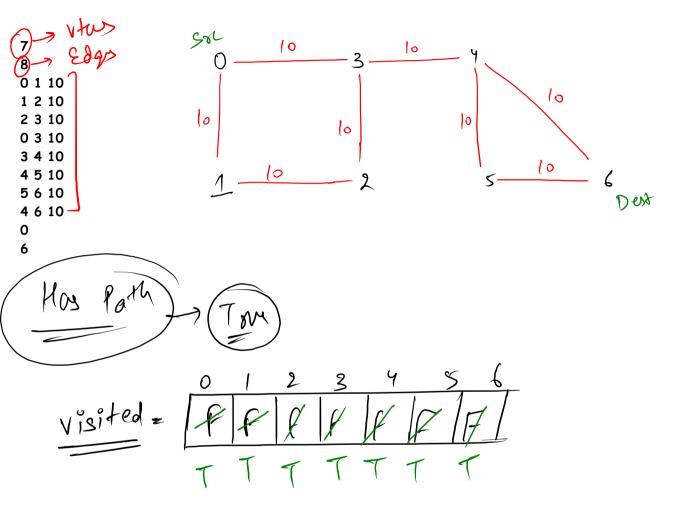
Adjacency	Matrix

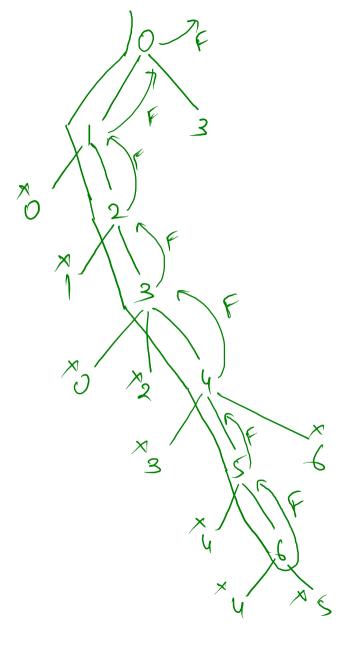
	<u> </u>						
	O	1	2	3	4	5	٢
0	0	ار	O	١	0	0	0
1	1	0	1	0	0	0	0
2	0	0	0	l	0	O	0
3	1	0	ŧ.	0	1	0	0
4	0	0	0	0	0	١	1
5	0	0	0	0	0	0	1
(0	Q	0	0)	١	0

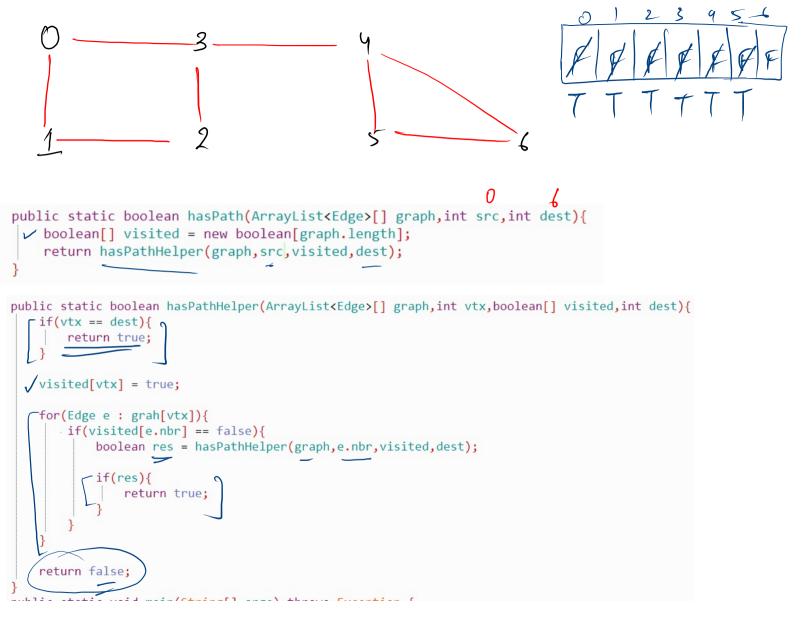


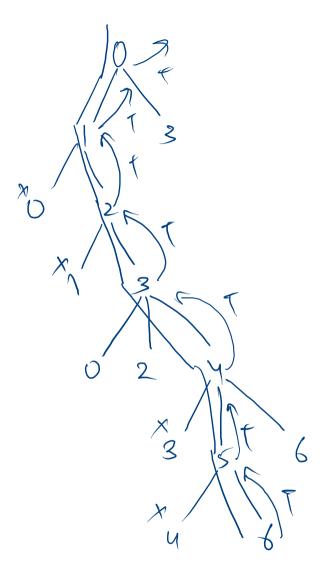


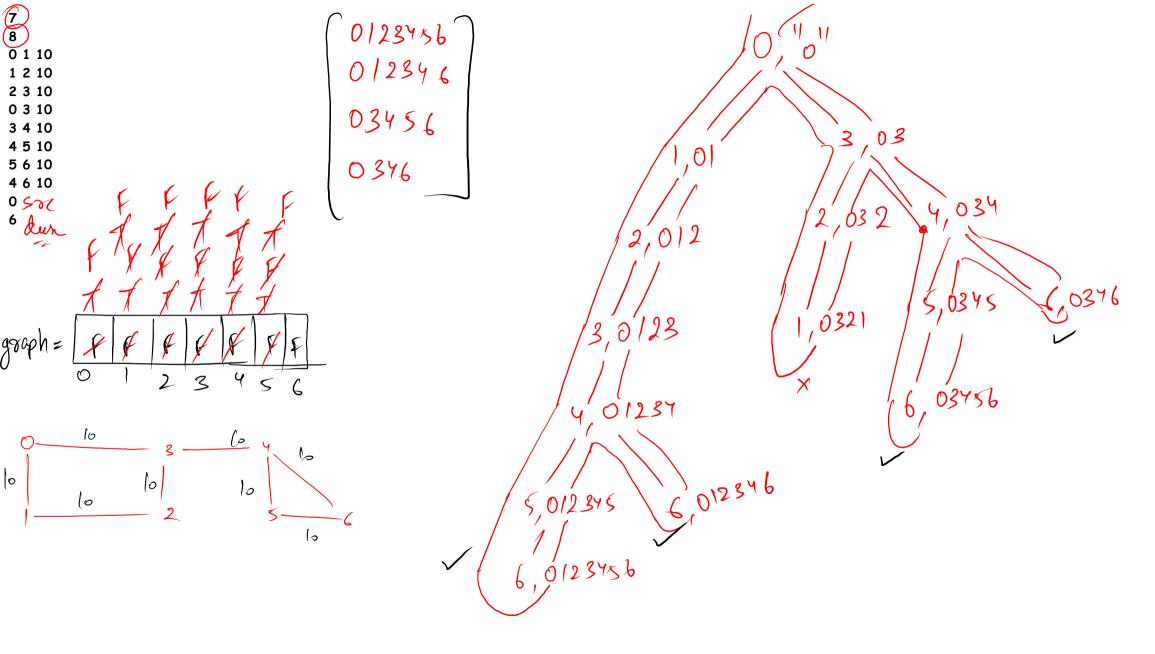


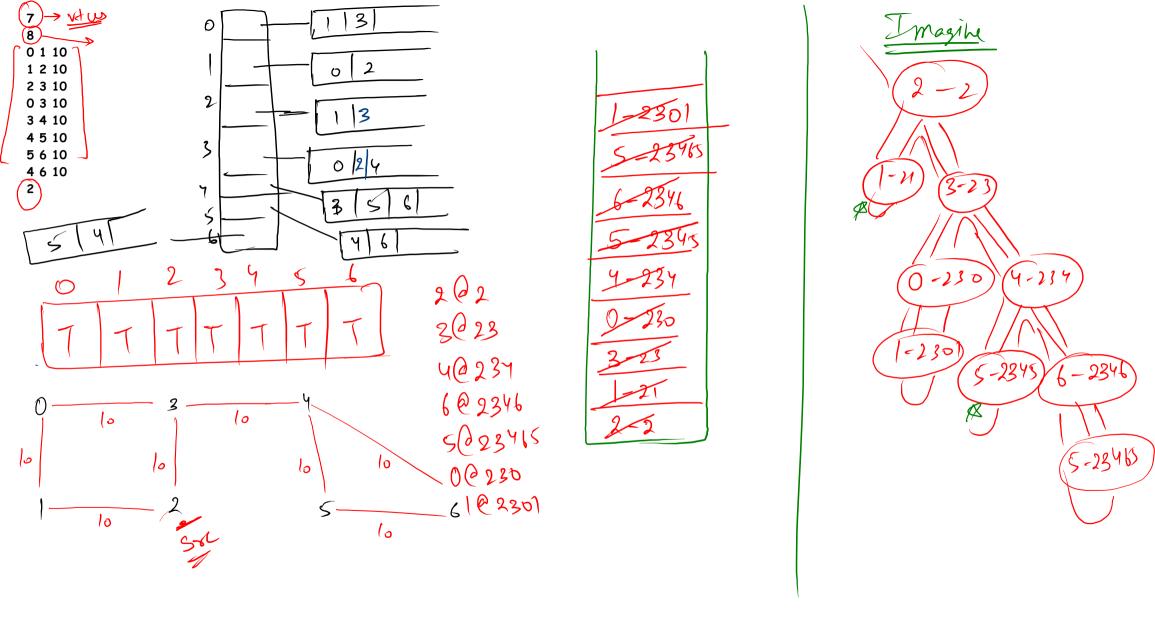


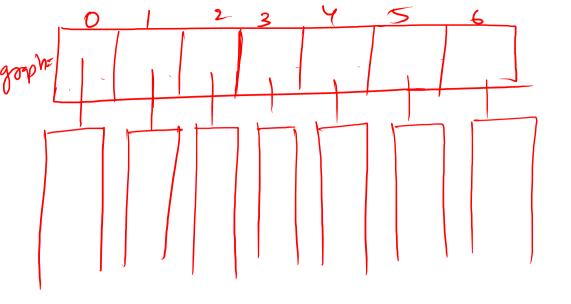




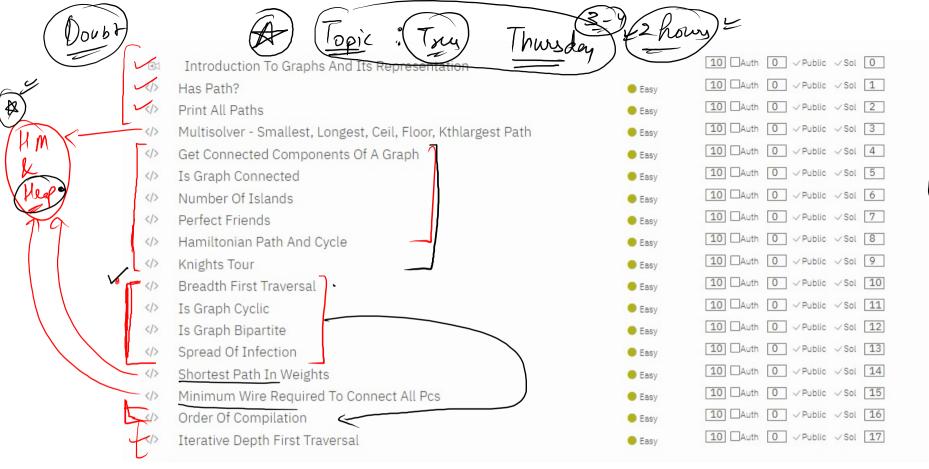








```
Scanner scn = new Scanner(System.in);
                int vtces = scn.nextInt(); // 2
0 3 40
                int edges = scn.nextInt(); // 8
0 1 10
               ArrayList<Edge>[] graph = new ArrayList[vtces];
1 2 10
2 3 10
               \bigcap for(int i = 0 ; i < vtces ; i++){
3 4 4
                    graph[i] = new ArrayList<Edge>();
4 5 3
5 6 3
               for(int i = 0; i < edges; i++){
4 6 8
                    int v1 = scn.nextInt();
                    int v2 = scn.nextInt();
                    int wt = scn.nextInt();
                    graph[v1].add(new Edge(v1,v2,wt));
                    graph[v2].add(new Edge(v2,v1,wt));
                display(graph);
```



Tomplementahla

Teneral Traveral