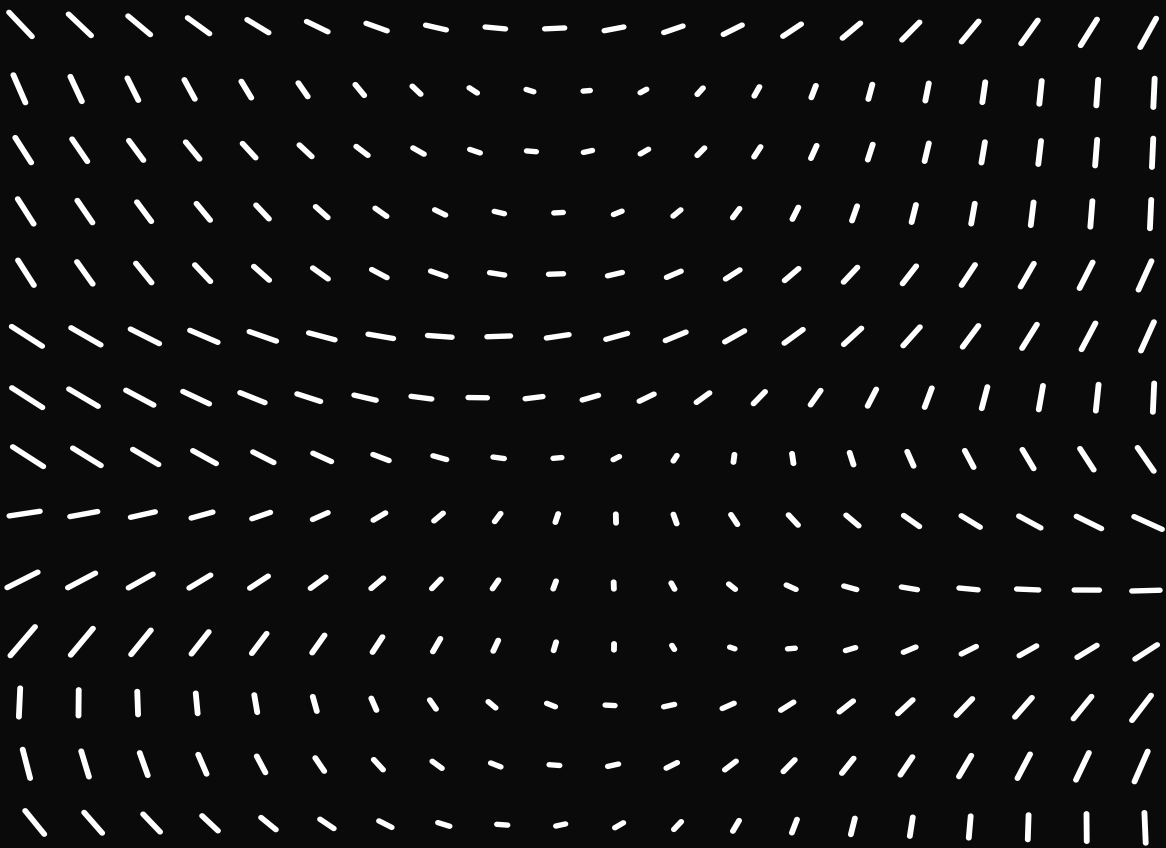


# Test - Graphs

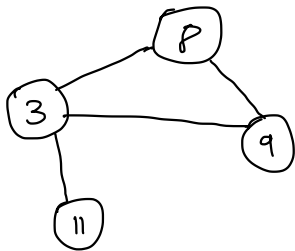
Data Mining - Group Project



# Frequent Substructures

(planted in graph A, B, C, D)

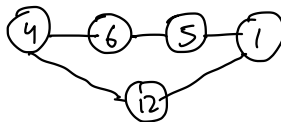
1:



→ 3 8  
3 9  
3 11  
8 9

E:4 N:4

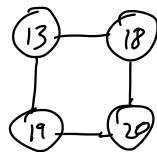
2:



→ 4 6  
5 1  
5 6  
4 12  
1 12

E:5 N:5

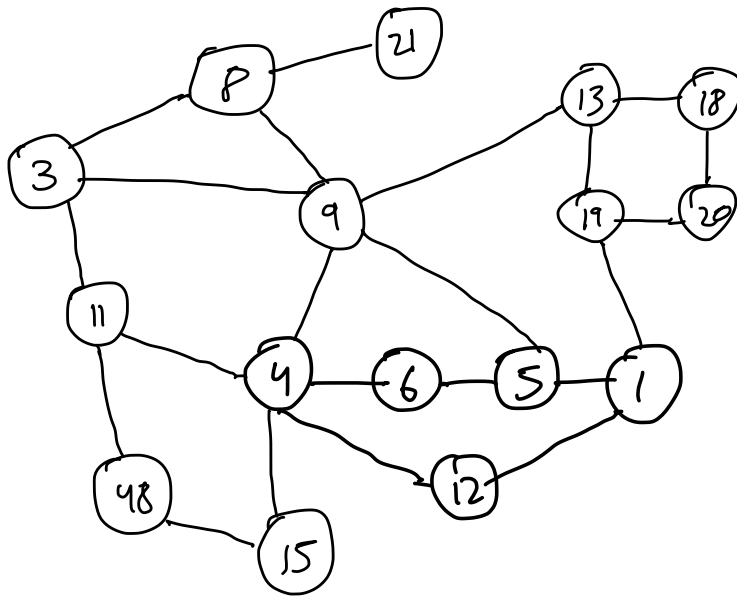
3:



→ 13 18  
13 19  
18 20  
19 20

E:4 N:4

Graph A :

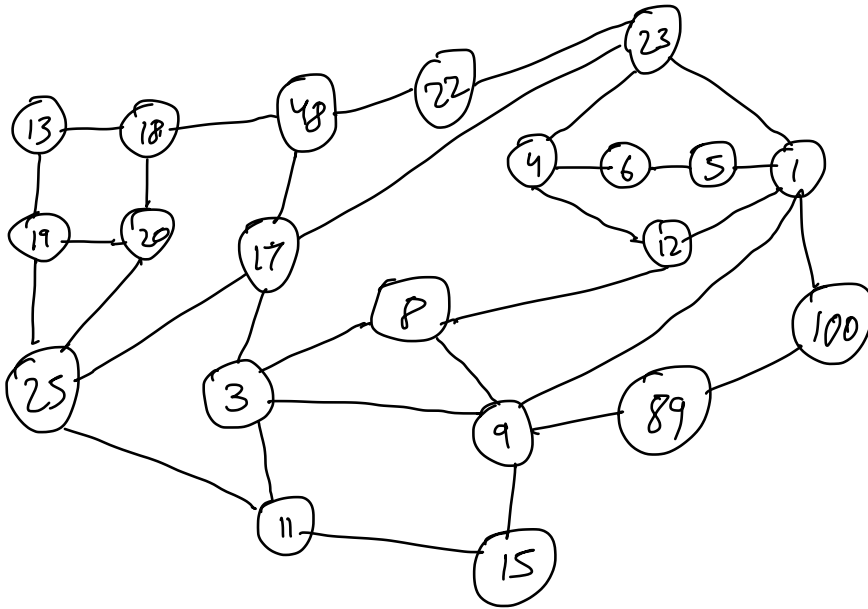


Edges : 22

Nodes : 16

1	5
1	12
1	19
3	8
3	9
3	11
4	6
4	9
4	11
4	12
4	15
5	6
5	9
8	21
8	9
9	13
11	48
13	18
13	19
15	48
18	20
19	20

Graph B:

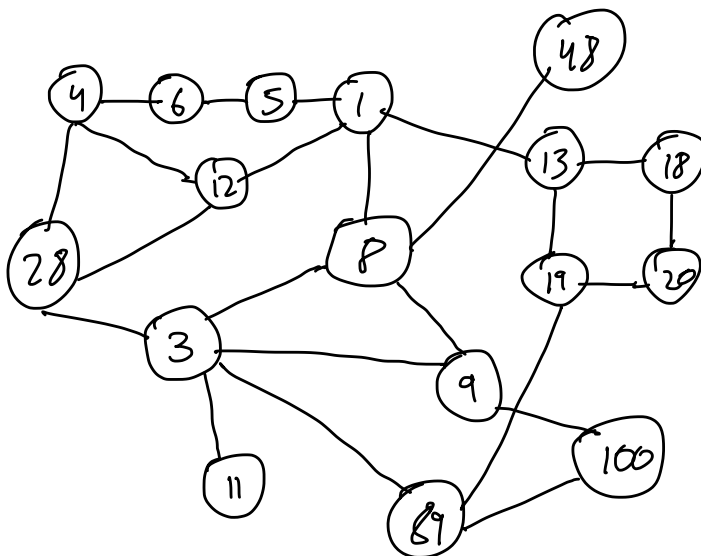


Edges : 32

Nodes : 21

1	5
1	9
1	12
1	23
1	100
3	8
3	9
3	11
3	17
3	25
4	6
4	12
4	23
5	6
5	12
6	12
8	9
8	17
8	22
9	11
9	15
9	89
9	100
11	15
11	25
13	18
13	19
17	23
17	25
17	48
18	20
18	48
19	20
19	25
20	25
22	48
22	23
89	100

# Graph C:

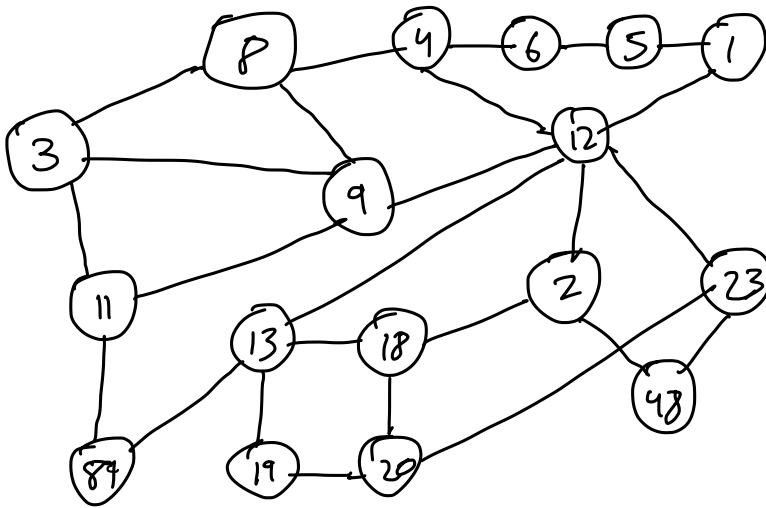


Edges : 23

Nodes : 17

1	5
1	8
1	12
1	13
3	8
3	9
3	11
3	28
3	89
4	6
4	12
4	28
5	6
8	9
8	48
9	100
12	28
13	18
13	19
18	20
19	20
19	89
89	100

Graph D :



Edges : 25

Nodes : 17

1	5
1	12
2	12
2	18
2	48
3	8
3	9
3	11
4	6
4	8
4	12
5	6
8	9
9	11
9	12
11	89
12	13
12	23
13	18
13	19
13	89
18	20
19	20
20	23
23	48