

Union(1,2).

1 → 1

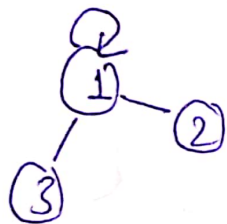
2 → 2



Union(2,3)

2 → 1

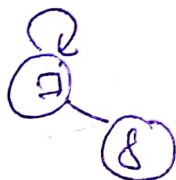
3 → 3



Union(7,8)

7 → 2

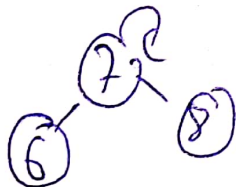
8 → 8



Union(6,7)

6 → 6

7 → 7



parent.

1	2	3	4	5	6	7	8
1	2	3	4	5	6	7	8

Size

1	2	3	4	5	6	7	8
1	1	1	1	1	1	1	1

Union(5,6)

5 → 5

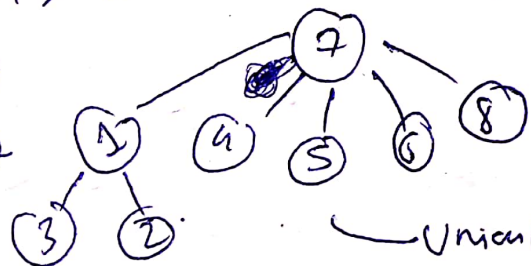
6 → 7



Union(4,5)

4 → 4

5 → 7



Union(3,8)