QUESTION 5.1.1 UNION-FIND: PATH COMPRESSION

Val	0	1	2	3	4	5	6	7	8	9
Rep	1	1	1	1	1	1	1	1	9	9
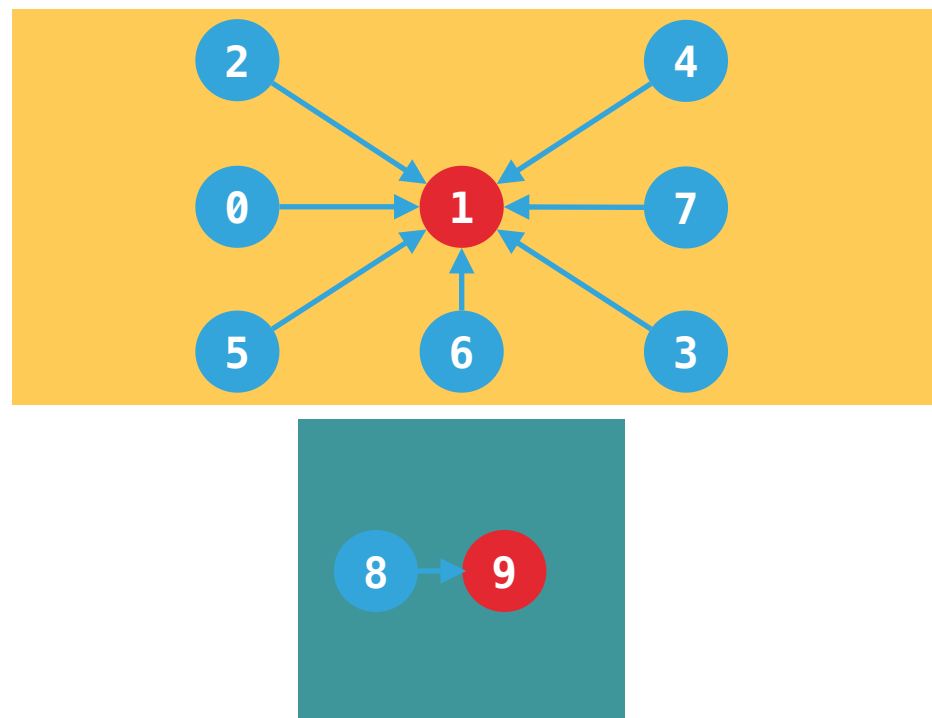
```
int find(int a) { //O(log n) ?
    if(tab[a] != a)
        tab[a] = find(tab[a]);
    return tab[a];
}
```


FIND(3)

FIND(2)

FIND(5)

QUESTION 5.1.1 UNION-FIND: WEIGHTED QUICK-UNION

	Find	Union
Quick-find	1	O(n)
Quick-union	O(n) Hauteur de l'arbre	O(n) Hauteur de l'arbre
Weighted quick-union	O(log(n))	O(log(n))
Weighted quick-union + comp	< O(log(n))	< O(log(n))