QUESTION 5.1.1 UNION-FIND: PATH-COMPRESSION + WEIGHTED
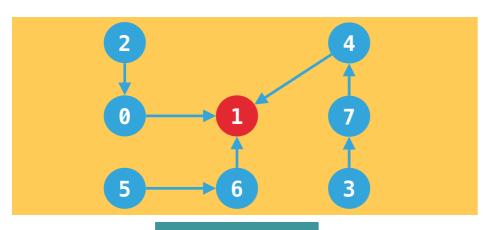
SANS COMPRESSION

```
int find(int a) { //O(log n)
    if(tab[a] != a)
        return find(tab[a]);
    return a;
}
```
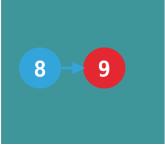
AVEC COMPRESSION

```
int find(int a) { //O(log n) ?
    if(tab[a] != a)
        tab[a] = find(tab[a]);
    return tab[a];
}
```

QUESTION 5.1.1 UNION-FIND: PATH COMPRESSION

Val	0	1	2	3	4	5	6	7	8	9
Rep	1	1	0	7	1	6	1	4	9	9

```
int find(int a) { //O(log n) ?
    if(tab[a] != a)
        tab[a] = find(tab[a]);
    return tab[a];
}
```