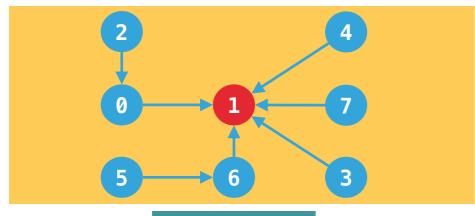
## QUESTION 5.1.1 UNION-FIND: PATH COMPRESSION





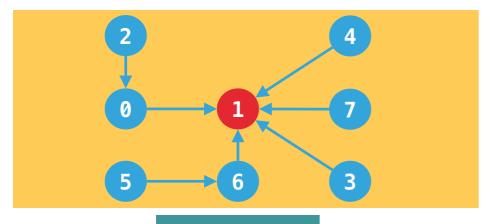


```
int find(int a) { //O(log n) ?
    if(tab[a] != a)
        tab[a] = find(tab[a]);
    return tab[a];
}
```

FIND(3)

## QUESTION 5.1.1 UNION-FIND: PATH COMPRESSION







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        tab[a] = find(tab[a]);
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FIND(3)

FIND(2)