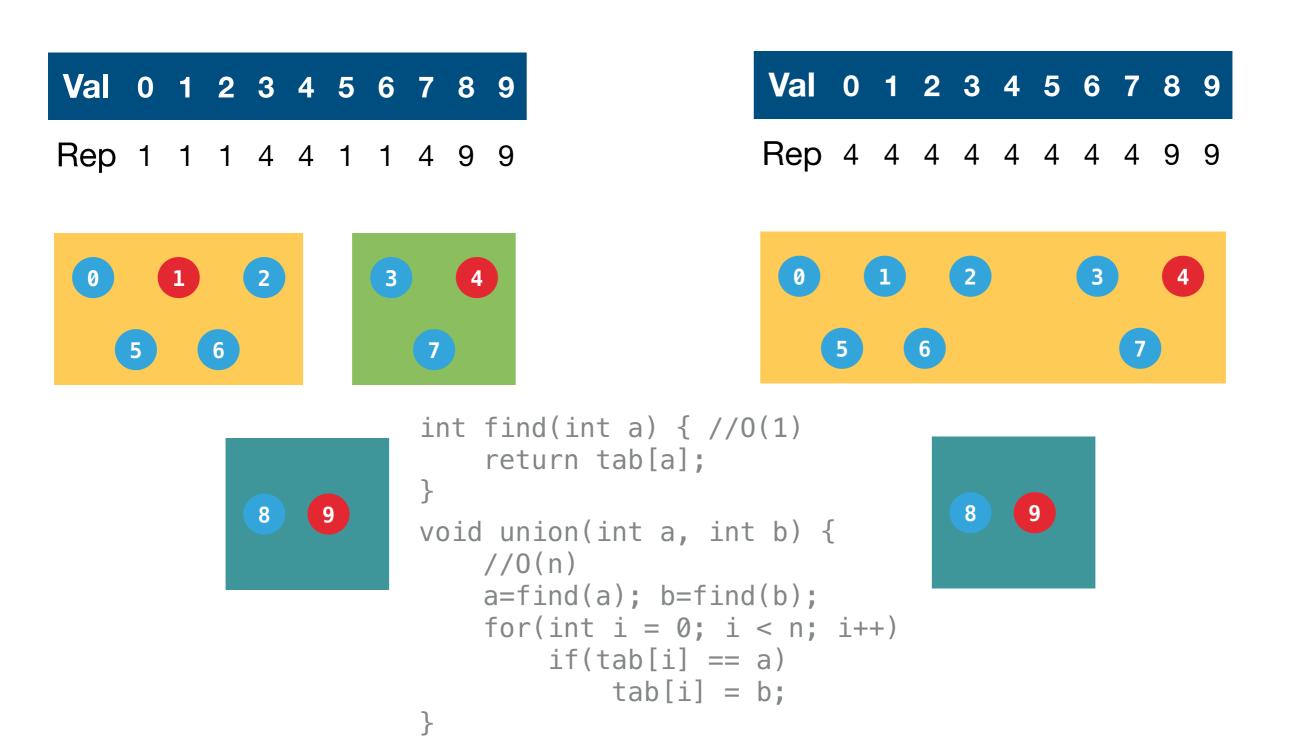
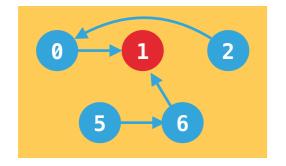
QUESTION 5.1.1 UNION-FIND: QUICK-FIND

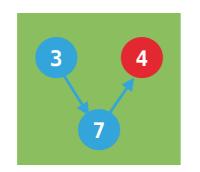


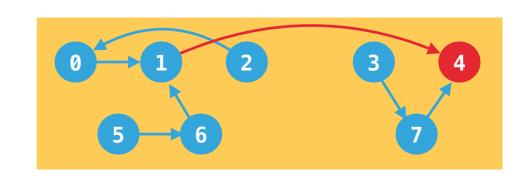
QUESTION 5.1.1 UNION-FIND: QUICK-UNION



Rep 1 1 0 7 4 6 1 4 9 9







Val 0 1 2 3 4 5 6 7 8 9

Rep 1 4 0 7 4 6 1 4 9 9



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

void union(int a, int b) { //O(1) ?
    int i = find(a);
    int j = find(b);
    tab[i] = j;
}
```

