

```
// UNION-FIND IMPLEMENTATION
```

```
#include <stdio.h>
```

```
int parent(int v){  
    if(uf[v] == uf[uf[v]]){  
        return uf[v];  
    }  
    uf[v] = parent(uf[v]);  
    return uf[v];  
}
```

```
void uni(int v1, int v2){  
    int p1 = parent(v1), p2 = parent(v2);  
    uf[p1] = p2;  
}
```

```
inline int find(int v1, int v2){  
    return parent(v1) == parent(v2);  
}
```