

```

function solution1() {
    //c++ 이용
    #include <iostream>

    //1번
    using namespace std;

    int a[101][2];

    void pre(int N){
        if(N == -1) return;
        cout << (char)(N + 'A');
        pre(a[N][0]);
        pre(a[N][1]);
    }

    void inO(int N){
        if(N == -1) return;
        inO(a[N][0]);
        cout << (char)(N + 'A');
        inO(a[N][1]);
    }

    void post(int N){
        if(N == -1) return;
        post(a[N][0]);
        post(a[N][1]);
        cout << (char)(N + 'A');
    }

    int main(){
        int count;
        cin >> count;

        for(int i = 0; i < count; i++){
            char x, y, z;
            cin >> x >> y >> z;
            x = x - 'A';
            if(y == '.'){
                a[x][0] = -1;
            }else{
                a[x][0] = y - 'A';
            }
            if(z == '.'){
                a[x][1] = -1;
            }else{
                a[x][1] = z - 'A';
            }
        }
        pre(0);
        cout << "\n";
        inO(0);
        cout << "\n";
        post(0);

        return 0;
    }
}

```

//2번

```
function solution2_2() {
    let a = Number(gets().trim());
    let purpose = gets().split(' ');
    gets();
    let ansarr = Array.from(Array(2), () => Array(3).fill(0));
    ansarr[0][0] = purpose[0];
    ansarr[1][0] = purpose[1];
    for (let i = 1; i < a; i++) {
        let temp = gets().split(' ');
        let cit = temp[0];
        temp.splice(0, 1);
        if (temp.includes(ansarr[0][0]) && ansarr[0][1] == 0) {
            ansarr[0][1] = cit;
            ansarr[0][2] = 'Korea';
        }
        if (temp.includes(ansarr[1][0]) && ansarr[1][1] == 0) {
            ansarr[1][1] = cit;
            ansarr[1][2] = 'Korea';
        }
    }
    let ans = 0;
    if (ansarr[0][2] === ansarr[1][2]) {
        ans = ansarr[0][2];
        if (ansarr[0][1] === ansarr[1][1]) {
            ans = ansarr[0][1];
            //입력된 두 구가 같을경우
            if (ansarr[0][0] === ansarr[1][0]) {
                ans = ansarr[0][0];
            }
        }
    }
    print(ans);
}
```

//3번

```
function solution3() {
    gets();
    let nodes = gets().split(' ');
    let target = Number(gets());
    let ansarr = [];
    nodes.forEach((v, i) => {
        let temp = [v, i, Math.abs(target - Number(v))];
        ansarr.push(temp);
    })
    ansarr.sort((a, b) => {
        if (a[2] != b[2]) {
            return a[2] - b[2];
        } else {
            return a[1] - b[1];
        }
    })
    let i = Number(gets());
    let ans = [];
    for (let j = 0; j < i; j++) {
```

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        ans.push(ansarr[j][0]);  
    }  
    //이게 왜 되지?  
  
    print(ans.join(' '));  
}
```