## Problem 1-A:

**for**(**int** i=n-1;i>0;i--) {

**int** diff = 0;

**for**(**int** j = i-1;j>=0;j--) {

**if**(A[i]>A[j]) {

diff += (A[i]-A[j]);

**if**(diff == joker) {

diff = 0;

**break**;

}

} **else** {

**break**;

}

}

X[i] = diff;

}

**Time complexity = O(n2)**

**Space complexity = O(n)**

## Problem 1-B:

**int** size = ob.nextLine().length();

**for**(**int** i=1;i<n;i++) {

**int** temp = ob.nextLine().length();

**if**(temp>size) {

flag = **false**;

**break**;

}

size = temp;

}

**Time complexity = O(n)**

**Space complexity = O(1)**