Data Structure Assignment (Mid-Term)

Instructions: (How and when to submit)

A new link under the name **"Mid Assignment"** has been created in your VUES account for uploading this assignment.

You don't need to email me anything. Just upload your source code of the given problem in a zipped file upon completion. Rename the zip folder with **your ID**.

**Do not upload your assignment multiple times, if you do this then your assignment will not be accepted.

Zip folder name: **your ID**

For example, 16-12345-1

***Anybody who will submit copied assignment will get negative marking.**

Submission Deadline: **12/11/2022 (Saturday)**

**** After the deadline, no request will be entertained.**

Question 1:

After getting her PhD, Christie has become a celebrity at her university, and her Facebook profile is full of friend requests. Being the nice person, she is, Christie has accepted all the requests.

Now Kuldeep is jealous of all the attention she is getting from other guys, so he asks her to delete some of the guys from her friend list.

To avoid a 'scene', Christie decides to remove some friends from her friend list, since she knows the popularity of each of the friend she has, she uses the following algorithm to delete a friend.

Algorithm Delete (Friend):

```
DeleteFriend=false
for i = 1 to Friend.length-1
    if (Friend[i].popularity < Friend[i+1].popularity)
        delete i th friend
        DeleteFriend=true
        break
if(DeleteFriend == false)
    delete the last friend
```

Input:
First line contains **T** number of test cases. First line of each test case contains **N**, the number of friends Christie currently has and **K**, the number of friends Christie decides to delete. Next lines contain **popularity** of her friends separated by space.

Output:
For each test case print **N-K** numbers which represent popularity of Christie friend's after deleting **K** friends.

Constraints
1<=**T**<=1000
1<=**N**<=100000
0<=**K**< N
0<=**popularity_of_friend**<=100

NOTE:
Order of friends after deleting exactly **K** friends should be maintained as given in input.

SAMPLE INPUT	SAMPLE OUTPUT
3 3 1 3 100 1 5 2 19 12 3 4 17 5 3 23 45 11 77 18	100 1 19 12 17 77 18