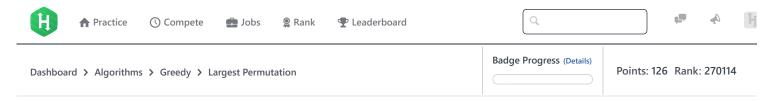
15/11/2017 HackerRank



Largest Permutation ■



Problem	Submissions	Leaderboard	Discussions	Editorial 🔒
Hobiciii	3451113310113	Leaderboard	Discussions	Editorial

You are given an array of N integers which is a permutation of the first N natural numbers. You can swap any two elements of the array. You can make at most K swaps. What is the largest permutation, in numerical order, you can make?

Input Format

The first line of the input contains two integers, N and K, the size of the input array and the maximum swaps you can make, respectively. The second line of the input contains a permutation of the first N natural numbers.

Output Format

Print the lexicographically largest permutation you can make with ${f at\ most\ }{f K}$ swaps.

Constraints

 $1 \le N \le 10^5 \\ 1 \le K \le 10^9$

Sample Input#00

5 1 4 2 3 5 1

Sample Output#00

5 2 3 4 1

Explanation#00

You can swap any two numbers in [4,2,3,5,1] and see the largest permutation is [5,2,3,4,1]

Sample Input#01

3 1 2 1 3

Sample Output#01

3 1 2

Explanation#01

With 1 swap we can get [1,2,3], [3,1,2] and [2,3,1] out of these [3,1,2] is the largest permutation.

Sample Input#02

Sample Output#02

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2 1

Explanation#02

We can see that [2,1] is already the largest permutation. So we don't need any swaps.

f in Submissions:<u>11362</u>
Max Score:30
Difficulty: Easy
Rate This Challenge:
☆☆☆☆☆



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