

## Math Class

Mirko and Slavko are bored at math class again so they came up with new game. Mirko writes down an  $N$  digit number, and Slavko's task is to obtain the largest possible number after having removed exactly  $K$  digits. Help him do that!

### Input

The first line of input contains integers  $N$  and  $K$  ( $1 \leq K < N \leq 500\,000$ ). The following line contains  $N$  digit number. This number starts with non-zero digit.

### Output

The first and only line of output should contain the largest possible number Slavko can obtain by removing  $K$  digits from the given number.

### Sample input

### Sample output

4 2 1924	94
7 3 1231234	3234
10 4 4177252841	775841