COCI '11 Contest 4 #3 Keks

Time limit: 1.0s   **Memory limit:** 32M

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 Specification

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 Specification

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

Scoring

In test cases worth 50% of total points, N will not exceed 1000.

Sample Input 1

```
4 2
1924
```

Sample Output 1

```
94
```

Sample Input 2

```
7 3
1231234
```

Sample Output 2

```
3234
```

Sample Input 3

```
10 4
4177252841
```

Sample Output 3

```
775841
```