Problem B. Quizzes

Time limit   2000 ms
Mem limit   1048576 kB

Problem Statement

Takahashi will answer N quiz questions.
Initially, he has X points. Each time he answers a question, he gains 1 point if his answer is correct and loses 1 point if it is incorrect.
However, there is an exception: when he has 0 points, he loses nothing for answering a question incorrectly.

You will be given a string S representing whether Takahashi's answers are correct.
If the i-th character of S from the left is `o`, it means his answer for the i-th question is correct; if that character is `x`, it means his answer for the i-th question is incorrect.
How many points will he have in the end?

Constraints

- $1 \leq N \leq 2 \times 10^5$
- $0 \leq X \leq 2 \times 10^5$
- S is a string of length N consisting of `o` and `x`.

Input

Input is given from Standard Input in the following format:

```
N X
S
```

Output

Print the number of points Takahashi will have in the end.

Sample 1

Input	Output
3 0 xox	0

Initially, he has 0 points.

He answers the first question incorrectly but loses nothing because he has no point.

Then, he answers the second question correctly, gains 1 point, and now has 1 point.

Finally, he answers the third question incorrectly, loses 1 point, and now has 0 points.

Thus, he has 0 points in the end. We should print 0.

Sample 2

Input	Output
20 199999 ooooooooooxoooooooooo	200017

Sample 3

Input	Output
20 10 xxxxxxxxxxxxxxxxxxxx	0