Lilah has a string, s, of lowercase English letters that she repeated infinitely many times.

Given an integer, n, find and print the number of letter a's in the first n letters of Lilah's infinite string.

For example, if the string  s= ‘abcac’ and n=10, the substring we consider is , the first 10 characters of her infinite string. There are 4 occurrences of a in the substring.

**Function Description**

Complete the *repeatedString* function in the editor below. It should return an integer representing the number of occurrences of a in the prefix of length n in the infinitely repeating string.

repeatedString has the following parameter(s):

* *s*: a string to repeat
* *n*: the number of characters to consider

**Input Format**

The first line contains a single string, s.  
The second line contains an integer, n.

**Output Format**

Print a single integer denoting the number of letter a's in the first n letters of the infinite string created by repeating s infinitely many times.

**Sample Input 0**

aba

10

**Sample Output 0**

7

**Explanation 0**  
The first n = 10 letters of the infinite string are abaabaabaa. Because there are 7 a's, we print 7 on a new line.

**Sample Input 1**

a

1000000000000

**Sample Output 1**

1000000000000

**Explanation 1**  
Because all of the first n=1000000000000 letters of the infinite string are a, we print 1000000000000

 on a new line.