**Play with Strings**

Consider a word *W* composed of alphabetic letters. Your friend has written that same word *m* number of times and is now asking whether you can figure out how many times the letter *L* appears in the first *n* letters of the updated word. Then, you gave a cheeky reply that yes you can do so and that too without even looking at the updated word as you’ve got the superpower of coding.

**Problem Description**

Write a code that takes as input a string *W*, a character *L* alongwith the integers *m* and *n* to return the number of appearances of the character *L* in the first *n* characters of the string *W* which is being updated by repeating itself for *m* number of times.

**Input Format**

Either space separated or in different lines, following are the input parameters in sequence:-

The string, *W*

The character, *L*

The integer, *m*

The integer, *n*

**Output Format**

The number of appearances, as explained above.

**Constraints**

1<= |*W*| <= 1000, 1<= *m*,*n* <= 1000

**Sample Input**

**LAA**

**L**

**2**

**4**

**Sample Output**

**2**

**Explanation**

The string **LAA** is repeated m=**2** times thus making it **LAALAA**. Now upto n=**4**, the substring is **LAAL** in which the character **L** has appeared 2 times. So the output is **2**.