Infinite String 2

Problem Submissions Leaderboard

String, ***s***, includes lowercase English letters infinite times. An integer, ***n***, print the count of letter k's in the first n letters of the infinite string.

Example

s = 'klmkm'

n = 15

The substring we need to calculate is **"klmkmklmkmklmkm"**, the first 15 characters of the infinite string. There are 6 occurrences o k in the substring.

Function Description

Complete the infiniteString function in the editor below. The function has the following parameters.

s: a string to create infinite string.

n: the number of characters to consider.

Return

int: count of k in the substring.

Sample Input

klk

15

Sample Output

10

Input Format

The first line contains a single string, s.

The second line contains an integer, n.

Constraints

1 <= |s| <= 100

1 <= |n| <= 10^12

25% of the test cases, n <= 10^6

Output Format

Print the result.

Sample Input 0

```
klk
10
```

Sample Output 0

```
7
```

Contest ends in 31 minutes

Submissions: 199
Max Score: 10
Difficulty: Medium

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Current Buffer (saved locally, editable) Python 3

```python
#!/bin/python3

import math
import os
import random
import re
import sys

#
# Complete the 'infiniteString' function below.
#
# The function is expected to return a LONG_INTEGER.
# The function accepts following parameters:
#  1. STRING s
#  2. LONG_INTEGER n
#

def infiniteString(s, n):
    # Write your code here

if __name__ == '__main__':
    fptr = open(os.environ['OUTPUT_PATH'], 'w')

    s = input()

    n = int(input().strip())

    result = infiniteString(s, n)

    fptr.write(str(result) + '\n')

    fptr.close()

```

Line: 1 Col: 1

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