

Contest Duration: 2025-11-01(Sat) 23:00 (<http://www.timeanddate.com/worldclock/fixedtime.html?iso=20251101T2100&p1=248>) - 2025-11-02(Sun) 00:40 (<http://www.timeanddate.com/worldclock/fixedtime.html?iso=20251101T2240&p1=248>) (local time) (100 minutes)

[Back to Home \(/home\)](#)

[Top \(/contests/abc430\)](#)

[Tasks \(/contests/abc430/tasks\)](#)

[Clarifications \(/contests/abc430/clarifications\)](#) [Results ▾](#)

[Standings \(/contests/abc430/standings\)](#)

[Virtual Standings \(/contests/abc430/standings/virtual\)](#) [Editorial \(/contests/abc430/editorial\)](#)

[Discuss \(<https://codeforces.com/blog/entry/147960>\)](#)



## C - Truck Driver

[Editorial \(/contests/abc430/tasks/abc430\\_c/editorial\)](#)



Time Limit: 2 sec / Memory Limit: 1024 MiB

Score : 300 points

### Problem Statement

In AtCoder Country, there is a rule that "a truck driver must take a break of at least  $B$  minutes when driving for  $A$  minutes or more."

You are given a string  $S$  of length  $N$  consisting of a and b, and positive integers  $A$  and  $B$ .

Find the number of integer pairs  $(l, r)$  that satisfy all of the following conditions.

- $1 \leq l \leq r \leq N$
- The number of a in the substring from the  $l$ -th character through the  $r$ -th character of  $S$  is greater than or equal to  $A$ .
- The number of b in the substring from the  $l$ -th character through the  $r$ -th character of  $S$  is less than  $B$ .

### Constraints

- $1 \leq N \leq 3 \times 10^5$
- $1 \leq A, B \leq N$
- $S$  is a string of length  $N$  consisting of a and b.
- All input numbers are integers.

# Input

The input is given from Standard Input in the following format:

```
N A B  
S
```

# Output

Print the answer.

---

## Sample Input 1

Copy

```
11 4 2  
abbaaabaaba
```

Copy

## Sample Output 1

Copy

```
3
```

Copy

The pairs  $(l, r)$  that satisfy the conditions are  $(4, 8), (4, 9), (5, 9)$ , which is three pairs.

---

## Sample Input 2

Copy

```
13 1 2  
bbbbbbbbbbbbb
```

Copy

## Sample Output 2

Copy

```
0
```

Copy

There are no pairs  $(l, r)$  that satisfy the conditions.

---

```
'#telegram)
```

```
:url=https%3A%2F%2Ft.coder.jp%2Fcontests%2Fabc430%2Ftasks%2Fabc430_c%3Flang%3Den&title=C%20-
```

[Terms of service \(/tos\)](#) [Privacy Policy \(/privacy\)](#) [Information Protection Policy \(/personal\)](#) [Company \(/company\)](#)  
[FAQ \(/faq\)](#) [Contact \(/contact\)](#)

Copyright Since 2012 ©AtCoder Inc. (<http://atcoder.co.jp>) All rights reserved.