

LCC '23 Contest 1 S2 - sdraC eht pilF

Time limit: 1.0s **Memory limit:** 64M

While Joshua has been out, came back, and is now busy [counting and sorting his candy](#), Shane is stuck with <REDACTED> at her birthday party (yes, it's on Halloween)!

The two are playing a unique card game, where each card has two sides: one side has a random letter, the other has a random number. The rules of the game are very simple:

- <REDACTED> will lay out the cards, one by one, each with either the letter OR number side facing up.
- <REDACTED> tells Shane that **every card with the letter L has the number N on the back**.
- Shane must then tell <REDACTED> a number X , the least number of cards he needs to flip to check if she is telling the truth.

Can you help Shane determine what number he should tell <REDACTED>?

Psst... stop <REDACTED> from coming up with more devious card games by solving the mystery on [why mcpt.ca is running out of resources!](#)

Constraints

$$1 \leq C \leq 10^5$$

L, L_i is an uppercase English letter.

$$1 \leq N, N_i \leq 9$$

Input Specification

The first line of input will contain the integer C , the number of cards in the deck.

The second line will contain C characters, representing the sides of the cards facing up. The i -th character represents the i -th card, and is either a number, N_i , or a letter, L_i .

The third and final line of input will contain L and N .

Output Specification

Output one integer, X , the least number of cards Shane needs to flip over to check if <REDACTED> is telling the truth.

Sample Input

5

A 4 D 9 2

A 2

Sample Output

3