

# String Score

Input file:            **standard input**  
Output file:        **standard output**  
Time limit:        1 second  
Memory limit:     256 megabytes

Given a number  $N$  and a string  $S$  of size  $N$  consisting of **5** different uppercase characters only  $\{\mathbf{V}, \mathbf{W}, \mathbf{X}, \mathbf{Y}, \mathbf{Z}\}$ .

- **V**: Adds to the score **5** points.
- **W**: Adds to the score **2** points.
- **X**: Removes the next consecutive character from the score.
- **Y**: Moves the next consecutive character to the end of the string.
- **Z**: If the next consecutive character is **V** it divides the total score by **5** but if it is **W** it divides the total score by **2**. Then it removes the next consecutive character from the string if and only if the next character is **V** or **W**.

**Note:** In case the string ends with **X** or **Y** or **Z** ignore their operations. The score is calculated from **left** to **right** and starts with **0**.

## Input

The first line contains a number  $N$  ( $1 \leq N \leq 10^6$ ) the length of the string.

The second line contains a string  $S$ .

**It's guaranteed that  $S$  consists of only  $\{\mathbf{V}, \mathbf{W}, \mathbf{X}, \mathbf{Y}, \mathbf{Z}\}$  letters.**

## Output

The total score of string.

## Examples

standard input	standard output
5 VYWZW	4
6 WZYVXW	7

## Note

Test 1:

String  $S = \mathbf{"VYWZW"}$  and score initially = **0** .

First char is '**V**' so add 5 to score and become **5**.

Second char is '**Y**' then move '**W**' to end of string and it become **"VYZWW"** and score = **5**.

Third char is '**Z**' then divide total score by 2 because next char is '**W**' and remove it so string become **"VYZW"** and score = **2**.

Fourth char is '**W**' so add 2 to score and become **4**.

So final answer is **4**.