

Day 2: Compress Long words

A word is considered too long if the characters/letters/alphabets in the word are longer than 5. These longer words are to be compressed into smaller than the length 5 in the following way: The first and the last character of the word will be retained although the characters in between would be replaced with the total number of characters between first and last character.

Input Format

The first (and the only) input line would be a word(d). Max length of d can be 150.

Constraints

- $2 \leq d \leq 1500$

Output Format

Resulting word that is compressed.

Sample Input 0

```
dancing
```

Sample Output 0

```
d5g
```

Sample Input 1

```
kubernetes
```

Sample Output 1

```
k8s
```