

## A. Create A New String

Given two strings  $S$  and  $T$ . Print **2** lines that contain the following in the same order:

1. Print the **length** of  $S$  and  $T$  separated by space.
2. Print a **new string** that contains  $S$  and  $T$  separated by a space.

For more clarification see the example below.

### Input

The first line contains a string  $S$  ( $1 \leq |S| \leq 10^3$ ) where  $|S|$  is the length of  $S$ .

The second line contains a string  $T$  ( $1 \leq |T| \leq 10^3$ ) where  $|T|$  is the length of  $T$ .

### Output

Print the answer required above.

### Examples

#### input

```
LEVEL  
ONE
```

#### output

```
5 3  
LEVEL ONE
```

#### input

```
Programming  
contest
```

#### output

```
11 7  
Programming contest
```

## B. Let's use Getline

Given a string  $S$ . Print the string  $S$  from the beginning to the first `'\'` character without printing the `'\'`.

**Hint:** use function `getline(cin, s)`.

### Input

Only one line contains a string  $S$  ( $1 \leq |S| \leq 10^6$ ) where  $|S|$  is the length of the string.

It's guaranteed that  $S$  will contain '\ ' symbol.

### Output

Print the answer required above.

### Examples

#### input

```
Egyptian collegiate programming\ contest
```

#### output

```
Egyptian collegiate programming
```

#### input

```
google \or facebook
```

#### output

```
google
```

<https://codeforces.com/group/MWSDmqGsZm/contest/219856/problem/E>

## E. Count

Given a string  $S$ . Print the **summation** of its digits.

### Input

Only one line contains a string  $S$  ( $1 \leq |S| \leq 10^6$ ) where  $|S|$  is the length of the string.

It's guaranteed that  $S$  contains only digits from 0 to 9.

### Output

Print the answer required above.

### Example

#### input

```
351
```

#### output

```
9
```

### Note

First Test :

$3 + 5 + 1 = 9$  .