# Secret Message

Alpha Java Mar'18 - Advanced - 00:17:06

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- **Points:** 100 (partial)
- **Time limit:** 0.3s
  C#: 0.1s
- **Memory limit:** 16M
  C#: 32M
- **Author:**
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- **Allowed languages**
  java

You want to exchange some secret messages between you and your friends, so you decide to encode them using a simple but yet powerful rule: **n{encoded_text}**, where the **encoded_text** in the curly brackets is repeated exactly **n** times.

Your job is to write a program which decodes the messages. Examine the sample tests below.

## Input

- Read from the standard input
- On the single line you will find the encoded message

## Output

- Print to the standard output
- On the single line print the decoded message

## Constraints

- `1 <= n <= 100`
- **encoded_text** contains only small letters from **"a"** to **"z"**

## Sample tests

### Input

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## Output

```
aaaaxzxz
```

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## Input

```
2{z10{xy}}
```

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## Output

```
zxyxyxyxyxyxyxyxyxyxyzxyxyxyxyxyxyxyxyxyxy
```

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## Input

```
a3{cd2{a}f}ef
```

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## Output

```
acdaafcdaafcdaafef
```

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# Clarifications

No clarifications have been made at this time.