Dry Run Problem

Input: System.in

Are you ready for Codecember 2017? Let's find out. Write a program that expresses that you are ready for the competition.

Input

The first line of input contains a string.

```
Hello Codecember!
```

Output

Print out the following statement, where `<input>` is the input string.

```
<input> We are ready to win!
```

Example

Input
```
Hello Codecember!
```

Output
```
Hello Codecember! We are ready to win!
```

Melting Snowman - Sample Problem

Input: System.in
Difficulty: Intermediate

The rate in which a snowman melts can be described by the function below, where t is time:

$$f(t) = 200(0.8)^{0.2t}$$

Write a program that prints out a snowman's melting rate given t.

Input

The first line of input specifies how many integers the program must read. Each line after that contains one integer that represents t.

```
3
10
3
2
```

Output

Print the melting rate of a snowman given the input (t). Round to the nearest integer.

```
128
175
183
```