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## Powers

P79817\_en

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Write a program to compute powers.

### Input

Input consists of several pairs of integer numbers  $a$  and  $b$ . Assume  $b \geq 0$ .

### Output

For every pair  $a, b$ , print  $a^b$ . Suppose, as usual, that  $0^0 = 1$ .

#### Sample input

```
3 2
2 8
5 0
0 3
0 0
-2 3
```

#### Sample output

```
9
256
1
0
1
-8
```

### Problem information

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