## Powers                                                                    X74205_en

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 $a^b$. Supose, as usual, that $0^0 = 1$.

| Sample input | Sample output |
|---|---|
| 3 2 | 9 |
| 2 8 | 256 |
| 5 0 | 1 |
| 0 3 | 0 |
| 0 0 | 1 |
| -2 3 | -8 |

### Observation

The use of power operator ⋆⋆ is not alowed in this exercise.

### Problem information

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