

BlueBook - Power Base

Time limit: 1.0s **Memory limit:** 16M

BlueBook

Write a program that reads a real value X ($-11 \leq X \leq 11$) and a positive integer P ($2 \leq P \leq 10$) and then calculates and prints the value of X^P .

Input Specification

The first line of input will be the number of test cases, N ($0 \leq N \leq 5$). Each of the N test cases will have 2 numbers on each line.

Output Specification

All answers should be to 2 decimal places.

Sample Input

```
3
2.0 4
4.0 2
3.0 3
```

Sample Output

```
16.00
16.00
27.00
```