**HDOJ上做过**

**Exponentiation**

|  |  |  |
| --- | --- | --- |
| **Time Limit:** 500MS |  | **Memory Limit:** 10000K |
| **Total Submissions:** 136588 |  | **Accepted:** 33414 |

**Description**

Problems involving the computation of exact values of very large magnitude and precision are common. For example, the computation of the national debt is a taxing experience for many computer systems.   
  
This problem requires that you write a program to compute the exact value of Rn where R is a real number ( 0.0 < R < 99.999 ) and n is an integer such that 0 < n <= 25.

**Input**

The input will consist of a set of pairs of values for R and n. The R value will occupy columns 1 through 6, and the n value will be in columns 8 and 9.

**Output**

The output will consist of one line for each line of input giving the exact value of R^n. Leading zeros should be suppressed in the output. Insignificant trailing zeros must not be printed. Don't print the decimal point if the result is an integer.

**Sample Input**

95.123 12

0.4321 20

5.1234 15

6.7592 9

98.999 10

1.0100 12

**Sample Output**

548815620517731830194541.899025343415715973535967221869852721

.00000005148554641076956121994511276767154838481760200726351203835429763013462401

43992025569.928573701266488041146654993318703707511666295476720493953024

29448126.764121021618164430206909037173276672

90429072743629540498.107596019456651774561044010001

1.126825030131969720661201

**Hint**

If you don't know how to determine wheather encounted the end of input:   
*s* is a string and *n* is an integer

**C++**

while(cin>>s>>n)

{

...

}

**c**

while(scanf("%s%d",s,&n)==2) //to see if the scanf read in as many items as you want

/\*while(scanf(%s%d",s,&n)!=EOF) //this also work \*/

{

...

}

**S**