Alavara Dejavu

locked

Problem | Submissions | Leaderboard | Discussions

Just the night before CodeNation's test, the students slept and dreamt again of the hardest problem from Avalara's round! *Gasps*

You are given three positive integers: A, B, X. You need to find out first and last X digits of A^B.

But this time even while dreaming, they visited TJO.. commented, discussed and clarified solutions and got the problem Accepted! Hope you can now get it Accepted while being awake too. :D

Input Format

First line contains 3 integers A, B, X.

Constraints

$1 \leq A \leq 100$

$0 \leq B \leq 10^9$

$1 \leq X \leq 7$

Assume A^B will certainly have more than X digits.

Output Format

Print two space-separated integers: the first X digits and the last X digits of A^B.

Sample Input 0

```
5 6 2
```

Sample Output 0

```
15 25
```

Sample Input 1

```
10 2 2
```

Sample Output 1

```
10 00
```

Submissions: 81
Max Score: 100
Difficulty: Medium

Rate This Challenge:

More

C++20

```cpp
#include <cmath>
#include <cstdio>
#include <vector>
#include <iostream>
#include <algorithm>
using namespace std;


int main() {
    /* Enter your code here. Read input from STDIN. Print output to STDOUT */
    return 0;
}
```

Line: 1 Col: 1

Upload Code as File | Test against custom input | Run Code | Submit Code