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2867

Descripción
Pantalla Completa
Enviar
Blocks
Ranking
Foro
uDebug

+ 5.2 PONTOS

PRINCIPIANTE

Sugerencia

Sugiera la categoría, el nivel y los temas de este problema.

ENVIAR COMENTARIOS

RESUELTO

Rank: 195º

Tiempo: 0.044

MI SOLUCIÓN

URI Online Judge | 2867

Digits

By Ricardo Martins, IFSULDEMINAS 🇧🇷 Brazil

Timelimit: 1

Given two integers, n and m, how many digits have n^m?

Examples:

2 and 10 - 2^{10} = 1024 - 4 digits

3 and 9 - 39 = 19683 - 5 digits

Input

The input is composed of several test cases. The first line has an integer C, representing the number of test cases. The following C lines contain two integers N and M ($1 <= N, M <= 100$).

Output

For each input test case of your program, you must print an integer containing the number of digits of the result of the calculated power in the respective test case.

Input Sample	Output Sample
4	1
1 1	4
2 10	5
3 9	201
100 100	

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