**a^b(Set 2)**

[maths](http://www.practice.geeksforgeeks.org/tag-page.php?tag=maths&isCmp=0)

For two given positive numbers a and b. Find a^b. Output your number modulus 10^9+7.

**Input:**  
The first line contains an integer 'T' denoting the total number of test cases. In each test cases, there are two numbers a and b.

**Output:**  
Find a^b.

**Constraints:**  
1 <= T <= 31  
1 <= a <= 100  
1 <= b <= 1000000

**Example:**  
**Input:**  
2  
1 1  
2 5

**Output:**  
1  
32

\*\*For More Examples Use Expected Output\*\*

<http://www.practice.geeksforgeeks.org/problem-page.php?pid=200>

t = int(raw\_input())

for i in range(0,t):

input = raw\_input().split(*" "*)

a = int(input[0])

b = int(input[1])

print a\*\*b % (10\*\*9 + 7)