**Strong Number**

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

Write a program to check whether a number is strong or not. A number is called strong number if sum of the factorial of its digit is equal to number itself. For example: 145 as 1! + 4! + 5! = 1 + 24 + 120 = 145

**Input:**

First line contains number of test cases T. Then following T lines contains an integer N.

**Output:**

Output "Strong" if given number is strong else "Not Strong" .

**Constraints:**

1<=T<=50  
0<=N<=1000

**Example:**

Input:  
2  
145  
10

Output:  
Strong  
Not Strong

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

<http://www.practice.geeksforgeeks.org/problem-page.php?pid=300>

#include <iostream>

#include <stdio.h>

#include <conio.h>

using namespace std;

int main() {

int t;

scanf("%d",&t);

while(t--) {

int N;

scanf("%d", &N);

int copia = N;

int sum = 0;

while(N > 0) {

int dig = N%10;

int fact = 1;

for(int i = 2; i<=dig; i++) {

fact \*=i;

}

sum += fact;

N/=10;

}

if(sum == copia) {

cout << "Strong" << endl;

} else {

cout << "Not Strong" << endl;

}

}

getch();

return 0;

}