MySlate_C CON_LOOP_Level2_002

Write a 'C' program to check whether the given number is strong number or not. Strong Numbers are the numbers whose sum of factorial of digits is equal to the original number. Input : n = 145 Output : Yes Sum of digit factorials = 1! + 4! + 5! = 1 + 24 + 120 = 145

Input Format

First line represents the test case and the following lines will have the integers to check for strong number

Constraints

$1 \leq num \leq 100000000$

Output Format

print STRONG or NOT STRONG

Sample Input 0

```
145
```

Sample Output 0

```
STRONG
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