

# CON\_LOOP\_Level2\_002

Write a 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

$1 \leq \text{num} \leq 100000000$

## Output Format

print STRONG or NOT STRONG

## Sample Input 0

```
145
```

## Sample Output 0

```
STRONG
```