## Do not print 0

Print "zero" instead of 0.

## Input

The first line of the input consist of a single integer number $t$ which determines the number of tests.

In each of next $t$ lines there is a single integer number $n$.

## Constraints

- $0<t \leq 100000$
- $0<\mathrm{n} \leq 1000000$


## Output

If $n$ is equal to 12345 , print "Zero" without quotes.
Else, print the result of $n$ minus 12345.

## Example

Input:
3
12349
12345
12340
Output:
4
Zero
-5

