

Number to Word

In this task you just need to convert a number from its digit form to word form.

For example, you should output 'one' for 1, 'thirty seven thousand' for 37000 .

You can assume that input will be ≥ 0 and < 50000 .

Also all numbers will be valid i.e input will not have numbers like 023.

Input

input contains one line which is n $0 \leq n \leq 50,000$

Output

Output the number in words as specified.

Example

Input:

123
34108

Output:

one hundred twenty three
thirty four thousand one hundred eight

Score : Source code length

problem modified on 23 / 2 / 2011

many other languages added as users want!!! and problem statment changed which lead to no accepted solutions and that is because increasing in test cases number