requirements

The program converts whole positive number to Roman numeral.

Analysis

* A number can’t be 0 or negative
* A number is represented by adding the sum of its parts
  + For example XXVII, has two 10s, one 5 and two 1s totalling 27
* Most parts are usually represented by 1 character as explained above.
* However, some parts are represented by 2 characters, this is to prevent to many repeated characters
  + Every number higher than 1 can be prefixed with either 1, 10 or 100 to create a new number
    - 5 and 10 can be prefixed with 1 to make 4 and 9 respectively
    - 50 and 100 can be prefixed with 10 to make 40 and 90 respectively
    - 500 and 1000 can be prefixed with 100 to make 400 and 900 respectively

Input and Output

Input

* Whole number integer bigger than 0

Output

* String representing roman numeral