# Problem



# Solution

regex\_pattern = r"^M{0,3}(CM|CD|D?C{0,3})(XC|XL|L?X{0,3})(IX|IV|V?I{0,3})$" # Do not delete 'r'.

#https://www.geeksforgeeks.org/validating-roman-numerals-using-regular-expression/

import re

print(str(bool(re.match(regex\_pattern, input()))))