class Solution:

def romanToInt(self, s: str) -> int:

res = 0

roman = {

'I': 1,

'V': 5,

'X': 10,

'L': 50,

'C': 100,

'D': 500,

'M': 1000

}

for a, b in zip(s, s[1:]):

if roman[a] < roman[b]:

res -= roman[a]

else:

res += roman[a]

return res + roman[s[-1]]