LEETCODE SOLUTIONS - YOGESH MUNEES
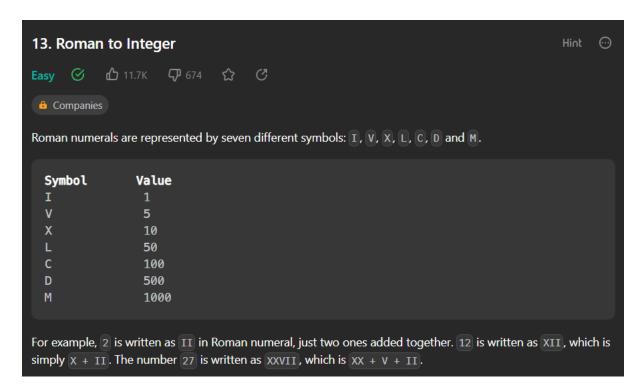
13. Roman to Integer

Easy

Companies

Roman numerals are represented by seven different symbols: I, V, X, L, C, D and M.

Symbol	Value
I	1
V	5
X	10
L	50
C	100
D	500
M	1000

For example, 2 is written as II in Roman numeral, just two ones added together. 12 is written as XII, which is simply X + II. The number 27 is written as XXVII, which is XX + V + II.

Solution:

```python
class Solution:
    def romanToInt(self, s: str) -> int:
        arr = ["I","V","X","L","C","D","M"]
        dic = {"I":1,"V":5,"X":10,"L":50,"C":100,"D":500,"M":1000}
        num = 0
        currInd = 7
        prev = ""
        for i in s:
            calc = dic[i]
            if arr.index(i) > currInd:
                num += abs(calc-(2*dic[prev]))
            else:
                num += calc
            prev = i
            currInd = arr.index(i)
        return num
```