

# Roman to Int

```
def solution(roman : str) -> int:
    r_int = {'I' : 1,
             'V' : 5,
             'X' : 10,
             'L' : 50,
             'C' : 100,
             'D' : 500,
             'M': 1000,}

    output = 0
    s = roman
    for i in range(len(s)):
        if i < len(s) - 1:
            if s[i] == 'I' and (s[i+1] == 'V' or s[i+1] == 'X'):
                output -= 1
            elif s[i] == 'X' and (s[i+1] == 'L' or s[i+1] == 'C'):
                output -= 10
            elif s[i] == 'C' and (s[i+1] == 'D' or s[i+1] == 'M'):
                output -= 100
            else:
                output += r_int[s[i]]
        output += r_int[s[i]]

    return output
```

remember that for the comparisons made, we simply set the condition to loop through the 2nd last character, otherwise we leave an error for a index error

we simply just add the remaining last character