

Description

Solution

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[Python] O(logN)



lee215

★ 47722

June 1, 2019 10:21 PM 1.1K VIEWS

13

Python:



```
def digitsCount(self, d, low, high):
    def count(N):
        if N == 0: return 0
        if d == 0 and N <= 10: return 0
        res = 0
        if N % 10 > d: res += 1
        if N / 10 > 0: res += str(N / 10).count(str(d)) * (N % 10)
        res += N / 10 if d else N / 10 - 1
        res += count(N / 10) * 10
        return res
    return count(high + 1) - count(low)
```

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Lisanaaa

★ 391

June 2, 2019 1:14 AM

I found that when $N = 70010$, your function `count` doesn't return correct answer, it should be `26924` instead of your `26920`, and this is just one of the cases I have found. I think you may lost something.

0

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