

# DigitStringDiv1 - SRM 741, D1, 250-Pointer

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Problem Intro

Slow, Dumb Way

Fast, Smart Way

Wrapping Up

# Problem Intro

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# Statement and Constraints

```
class DigitStringDiv1 {  
    public:  
        long long count(string s, int x);  
};
```

- Given: S, string containing characters from '0' through '9' and is at most 47 characters in length.
- Given: X, integer between 0 and 777,444,111.
- A subsequence of S is a string that results when you erase some subset of indices of S.
- e.g. S is "12356", "13" and "256" are subsequences. "61" is not.
- Count the number of subsequences of S that are greater than X.

## Example

EXAMPLE HERE

**Slow, Dumb Way**

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# First Frame

Hello, world!

**Fast, Smart Way**

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Hello, world!

## Wrapping Up

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# How did Topcoder Do?

- Problem Given in Topcoder: November, 2018
- Competitors who opened the problem: 99
- Competitors who submitted a solution: 82
- Number of correct solutions: 42
- Accuracy (percentage correct vs those who opened): 49.4
- Average Correct Time: 24.59
- Best Time: 4:56

Thank You

Questions?