

Explore

Problems

Contest

Discuss

Interview

Store

Premium

Descr...

Soluti...

Discu...

Sub...

i

Python3

Autocomplete

i

{ }

↺

⚙

⌵

2259. Remove Digit From Number to Maximize Result

Easy

👍 797

💬 47

🤍 Add to List

📄 Share

You are given a string `number` representing a **positive integer** and a character `digit`.

Return *the resulting string after removing exactly one occurrence* of `digit` from `number` such that the value of the resulting string in **decimal** form is **maximized**. The test cases are generated such that `digit` occurs at least once in `number`.

Example 1:

Input:

number = "123", digit = "3"

Output:

"12"

Explanation:

There is only one '3' in "123". After removing '3', the result is "12".

Example 2:

Input:

number = "1231", digit = "1"

Output:

"231"

Explanation:

We can remove the first '1' to get "231" or remove the second '1' to get "123". Since 231 > 123, we return "231".

Example 3:

Input:

number = "551", digit = "5"

Output:

"51"

Explanation:

We can remove either the first or second '5' from "551". Both result in the string "51".

Constraints:

- `2 <= number.length <= 100`
- `number` consists of digits from `'1'` to `'9'`.
- `digit` is a digit from `'1'` to `'9'`.
- `digit` occurs at least once in `number`.

Accepted 78.5K

Submissions 174.2K

Seen this question in a real interview before?

Yes

No

Companies

🔒

1

2

3

4

5

6

7

8

9

class Solution:

def removeDigit(self, number: str, digit: str) -> str:

values = []

for i in range(len(number)):

if number[i] == digit:

values.append(number[:i] + number[i+1:])

return max(values) or number

Your previous code was restored from your local storage. [Reset to default](#)

×

☰

✂

⏪

🔍/200

⏩

Console

Contribute

▶ Run Code

Submit

NEW