2566. Maximum Difference by Remapping a Digit

Solved

Easy Topics Hint

You are given an integer `num`. You know that Bob will sneakily **remap** one of the `10` possible digits (`0` to `9`) to another digit.

Return *the difference between the maximum and minimum values Bob can make by remapping* ***exactly one*** *digit in* `num`.

Notes:

- When Bob remaps a digit `d1` to another digit `d2`, Bob replaces all occurrences of `d1` in `num` with `d2`.
- Bob can remap a digit to itself, in which case `num` does not change.
- Bob can remap different digits for obtaining minimum and maximum values respectively.
- The resulting number after remapping can contain leading zeroes.

Example 1:

> **Input:** num = 11891
> **Output:** 99009
> **Explanation:**
> To achieve the maximum value, Bob can remap the digit 1 to the digit 9 to yield 99899.
> To achieve the minimum value, Bob can remap the digit 1 to the digit 0, yielding 890.
> The difference between these two numbers is 99009.

Example 2:

> **Input:** num = 90
> **Output:** 99
> **Explanation:**
> The maximum value that can be returned by the function is 99 (if 0 is replaced by 9) and the minimum value that can be returned by the function is 0 (if 9 is replaced by 0).
> Thus, we return 99.

Constraints:

- $1 <= num <= 10^8$

Seen this question in a real interview before? 1/5

Yes No

Accepted 99.136/131.7K | Acceptance Rate 75.3%

Topics

Hint 1

Hint 2

Discussion (165)