1432. Max Difference You Can Get From Changing an Integer

Solved

Medium Topics Hint

You are given an integer `num`. You will apply the following steps to `num` **two** separate times:

- Pick a digit `x (0 <= x <= 9)`.
- Pick another digit `y (0 <= y <= 9)`. Note `y` can be equal to `x`.
- Replace all the occurrences of `x` in the decimal representation of `num` by `y`.

Let `a` and `b` be the two results from applying the operation to `num` *independently*.

Return *the max difference* between `a` and `b`.

Note that neither `a` nor `b` may have any leading zeros, and **must not** be 0.

Example 1:

> **Input:** num = 555
> **Output:** 888
> **Explanation:** The first time pick x = 5 and y = 9 and store the new integer in a.
> The second time pick x = 5 and y = 1 and store the new integer in b.
> We have now a = 999 and b = 111 and max difference = 888

Example 2:

> **Input:** num = 9
> **Output:** 8
> **Explanation:** The first time pick x = 9 and y = 9 and store the new integer in a.
> The second time pick x = 9 and y = 1 and store the new integer in b.
> We have now a = 9 and b = 1 and max difference = 8

Constraints:

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

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

Yes No

Accepted 79.403 /166.6K | Acceptance Rate 47.7 %

Topics

Hint 1

Hint 2

Discussion (174)