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5713. Number of Different Integers in a String

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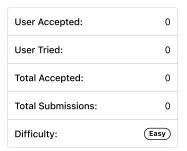
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You are given a string word that consists of digits and lowercase English letters.

You will replace every non-digit character with a space. For example, "a123bc34d8ef34" will become " 123 34 8 34". Notice that you are left with some integers that are separated by at least one space: "123", "34", "8", and "34".

Return the number of ${\it different}$ integers after performing the replacement operations on word .

Two integers are considered different if their decimal representations without any leading zeros are different.



Example 1:

```
Input: word = "a123bc34d8ef34"
Output: 3
Explanation: The three different integers are "123", "34", and "8". Notice that "34" is only counted once.
```

Example 2:

```
Input: word = "leet1234code234"
Output: 2
```

Example 3:

```
Input: word = "a1b01c001"
Output: 1
Explanation: The three integers "1", "01", and "001" all represent the same integer because
the leading zeros are ignored when comparing their decimal values.
```

Constraints:

- 1 <= word.length <= 1000
- word consists of digits and lowercase English letters.