1805. Number of Different Integers in a String

Description

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 **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.