Problem 2496: Maximum Value of a String in an Array

Problem Information

Difficulty: Easy
Acceptance Rate: 73.91%
Paid Only: No
Tags: Array, String

Problem Description

The **value** of an alphanumeric string can be defined as:

* The **numeric** representation of the string in base `10`, if it comprises of digits **only**. * The **length** of the string, otherwise.

Given an array `strs` of alphanumeric strings, return _the**maximum value** of any string in _`strs`.

Example 1:

Input: strs = ["alic3","bob","3","4","00000"] **Output:** 5 **Explanation:** - "alic3" consists of both letters and digits, so its value is its length, i.e. 5. - "bob" consists only of letters, so its value is also its length, i.e. 3. - "3" consists only of digits, so its value is its numeric equivalent, i.e. 3. - "4" also consists only of digits, so its value is 4. - "00000" consists only of digits, so its value is 0. Hence, the maximum value is 5, of "alic3".

Example 2:

Input: strs = ["1","01","001","0001"] **Output:** 1 **Explanation:** Each string in the array has value 1. Hence, we return 1.

Constraints:

* `1 <= strs.length <= 100` * `1 <= strs[i].length <= 9` * `strs[i]` consists of only lowercase English letters and digits.

Code Snippets

C++:

```
class Solution {
public:
int maximumValue(vector<string>& strs) {

}
};
```

Java:

```
class Solution {
public int maximumValue(String[] strs) {

}
}
```

Python3:

```
class Solution:
def maximumValue(self, strs: List[str]) -> int:
```