DESCRIPTION   SOLUTIONS 241   COMMENTS 11   README   CODEWRITING   SCORE: 300/300

You are given an array of integers that you want distribute between several groups. The first group should contain numbers from `1` to `10`^{4}, the second should contain those from `10`^{4} `+ 1` to `2 * 10`^{4}, ..., the `100`th one should contain numbers from `99 * 10`^{4} `+ 1` to `10`^{6} and so on.

All the numbers will then be written down in groups to the text file in such a way that:

- the groups go one after another;
- each non-empty group has a header which occupies one line;
- each number in a group occupies one line.

Calculate how many lines the resulting text file will have.

Example

For `a = [20000, 239, 10001, 999999, 10000, 20566, 29999]`, the output should be
`numbersGrouping(a) = 11`.

The numbers can be divided into `4` groups:

- `239` and `10000` go to the `1`st group (`1 ... 10`^{4});
- `10001` and `20000` go to the second `2`nd (`10`^{4} `+ 1 ... 2 * 10`^{4});
- `20566` and `29999` go to the `3`rd group (`2 * 10`^{4} `+ 1 ... 3 * 10`^{4});
- groups from `4` to `99` are empty;
- `999999` goes to the `100`th group (`99 * 10`^{4} `+ 1 ... 10`^{6}).

Thus, there will be `4` groups (i.e. four headers) and `7` numbers, so the file will occupy `4 + 7 = 11` lines.

Input/Output

- **[execution time limit] 4 seconds (js)**

- **[input] array.integer a**

  Guaranteed constraints:
  `1 ≤ a.length ≤ 10`^{5},
  `1 ≤ a[i] ≤ 10`^{9}.

- **[output] integer**

  The number of lines needed to store the grouped numbers.

[JavaScript (ES6)] Syntax Tips

```
// Prints help message to the console
// Returns a string
function helloWorld(name) {
    console.log("This prints to the console when you Run Tests");
    return "Hello, " + name;
}
```