Gene Mutation Groups

Question 656 of 1031

Medium

You are given a list of unique strings `genes` where each element has the same length and contains characters `"A"`, `"C"`, `"G"` and/or `"T"`.

- If strings `a` and `b` are the same string except for one character, then `a` and `b` are in the same mutation group.
- If strings `a` and `b` are in a group and `b` and `c` are in a group, then `a` and `c` are in the same group.

Return the total number of mutation groups.

Constraints

- `n ≤ 10,000`
- `k ≤ 20` where `k` is the length of a string in `genes`

Example 1

Input

```
genes = ["ACGT", "ACCT", "AGGT", "TTTT", "TTTG"]
```

Output

```
2
```

Explanation

There are two mutation groups:

- `["ACGT", "ACCT", "AGGT"]`
- `["TTTT", "TTTG"]`

Solved 230 Attempted 386 Rate 59.59%

Hint #1 +

Companies +

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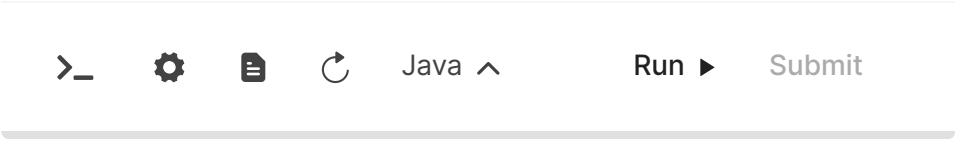
Contributed by **socho**, **smjleo** and 1 other +

```java
import java.util.*;

class Solution {
    public int solve(String[] genes) {

    }
}
```


Java
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