1079. Letter Tile Possibilities

Description

You have `n` `tiles`, where each tile has one letter `tiles[i]` printed on it.

Return *the number of possible non-empty sequences of letters* you can make using the letters printed on those `tiles`.

Example 1:

```
Input: tiles = "AAB"
Output: 8
Explanation: The possible sequences are "A", "B", "AA", "AB", "BA", "AAB", "ABA", "BAA".
```

Example 2:

```
Input: tiles = "AAABBC"
Output: 188
```

Example 3:

```
Input: tiles = "V"
Output: 1
```

Constraints:

- `1 <= tiles.length <= 7`
- `tiles` consists of uppercase English letters.