

2268. Minimum Number of Keypresses

Description

You have a keypad with 9 buttons, numbered from 1 to 9, each mapped to lowercase English letters. You can choose which characters each button is matched to as long as:

- All 26 lowercase English letters are mapped to.
- Each character is mapped to by exactly 1 button.
- Each button maps to at most 3 characters.

To type the first character matched to a button, you press the button once. To type the second character, you press the button twice, and so on.

Given a string s, return the minimum number of keypresses needed to type s using your keypad.

Note that the characters mapped to by each button, and the order they are mapped in cannot be changed.

Example 1:

1 abc	2 df	3 eij
4 gqs	5 lkx	6 ptu
7 mnr	8 hyz	9 ovw

```
Input: s = "apple"
Output: 5
Explanation: One optimal way to setup your keypad is shown above.
Type 'a' by pressing button 1 once.
Type 'p' by pressing button 6 once.
Type 'p' by pressing button 6 once.
Type 'l' by pressing button 5 once.
Type 'e' by pressing button 3 once.
A total of 5 button presses are needed, so return 5.
```

Example 2:

1 ajs	2 bkt	3 clu
4 dmv	5 enw	6 fox
7 gpy	8 hqz	9 ir

```
Input: s = "abcdefghijkl"
Output: 15
Explanation: One optimal way to setup your keypad is shown above.
The letters 'a' to 'i' can each be typed by pressing a button once.
Type 'j' by pressing button 1 twice.
Type 'k' by pressing button 2 twice.
Type 'l' by pressing button 3 twice.
A total of 15 button presses are needed, so return 15.
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Constraints:

- 1 <= s.length <= 10⁵
- s consists of lowercase English letters.

