Problem 1694: Reformat Phone Number

Problem Information

Difficulty: Easy
Acceptance Rate: 67.36%
Paid Only: No
Tags: String

Problem Description

You are given a phone number as a string `number`. `number` consists of digits, spaces `' '`, and/or dashes `'-'`.

You would like to reformat the phone number in a certain manner. Firstly, **remove** all spaces and dashes. Then, **group** the digits from left to right into blocks of length 3 **until** there are 4 or fewer digits. The final digits are then grouped as follows:

* 2 digits: A single block of length 2. * 3 digits: A single block of length 3. * 4 digits: Two blocks of length 2 each.

The blocks are then joined by dashes. Notice that the reformatting process should **never** produce any blocks of length 1 and produce **at most** two blocks of length 2.

Return _the phone number after formatting._

Example 1:

Input: number = "1-23-45 6" **Output:** "123-456" **Explanation:** The digits are "123456". Step 1: There are more than 4 digits, so group the next 3 digits. The 1st block is "123". Step 2: There are 3 digits remaining, so put them in a single block of length 3. The 2nd block is "456". Joining the blocks gives "123-456".

Example 2:

Input: number = "123 4-567" **Output:** "123-45-67" **Explanation:** The digits are "1234567". Step 1: There are more than 4 digits, so group the next 3 digits. The 1st block is

"123". Step 2: There are 4 digits left, so split them into two blocks of length 2. The blocks are "45" and "67". Joining the blocks gives "123-45-67".

Example 3:

Input: number = "123 4-5678" **Output:** "123-456-78" **Explanation:** The digits are "12345678". Step 1: The 1st block is "123". Step 2: The 2nd block is "456". Step 3: There are 2 digits left, so put them in a single block of length 2. The 3rd block is "78". Joining the blocks gives "123-456-78".

Constraints:

* `2 <= number.length <= 100` * `number` consists of digits and the characters `'-'` and `' '`. * There are at least **two** digits in `number`.

Code Snippets

C++:

```cpp
class Solution {
public:
string reformatNumber(string number) {


}
};
```

Java:

```java
class Solution {
public String reformatNumber(String number) {


}
}
```

Python3:

```python
class Solution:
    def reformatNumber(self, number: str) -> str:
```