Day 19

5629. Reformat Phone Number

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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*.

User Accepted:	0
User Tried:	0
Total Accepted:	0
Total Submissions:	0
Difficulty:	Easy

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".
```

Example 4:

```
Input: number = "12"
Output: "12"
```

Example 5:

```
Input: number = "--17-5 229 35-39475 "
Output: "175-229-353-94-75"
```

Constraints:

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

JavaScript ▼

```
 1 ▾ /**
 2    * @param {string} number
 3    * @return {string}
 4    */
 5 ▾ const reformatNumber = (number) => {
 6       let s = '';
 7 ▾     for (const i of number) {
 8 ▾         if (i != ' ' && i != '-') {
 9               s += i;
10           }
11       }
12       let res = '';
13       let n = s.length;
14       let lastIdx;
15 ▾     for (let i = 0; ; i += 3) {
16 ▾         if (i >= n - 4) {
17               lastIdx = i;
18               break;
19           }
20           let tmp = s.slice(i, i + 3);
21           res += tmp;
22           res += '-';
23       }
24       let last = s.slice(lastIdx);
25 ▾     if (last.length == 2 || last.length == 3) {
26           res += last;
27           return res;
28 ▾     } else if (last.length == 4) {
29           res += last.slice(0, 2);
30           res += '-';
31           res += last.slice(2);
32           return res;
33       }
34   };
```

☐ **Custom Testcase**   ⬭ Use Example Testcases

⏵ Run   ☁ Submit

Submission Result: _Accepted_ (/submissions/detail/432450951/) ❓   ⬭ More Details ❯ (/submissions/detail/432450951/)

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