

5730. Replace All Digits with Characters

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You are given a **0-indexed** string `s` that has lowercase English letters in its **even** indices and digits in its **odd** indices.

There is a function `shift(c, x)`, where `c` is a character and `x` is a digit, that returns the x^{th} character after `c`.

- For example, `shift('a', 5) = 'f'` and `shift('x', 0) = 'x'`.

For every **odd** index `i`, you want to replace the digit `s[i]` with `shift(s[i-1], s[i])`.

Return `s` after replacing all digits. It is **guaranteed** that `shift(s[i-1], s[i])` will never exceed `'z'`.

User Accepted: 227

User Tried:	246
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Total Accepted:	227
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Total Submissions: 248

Difficulty: Easy

Example 1:

Input: s = "a1c1e1"

Output: "abcdef"

Explanation: The digits are replaced as follows:

- `s[1] -> shift('a',1) = 'b'`

- `s[3] -> shift('c',1) = 'd'`

- s[5] -> shift('e',1) = 'f'

Example 2:

Input: s = "a1b2c3d4e"

Output: "abbdcf dhe"

Explanation: The digits are replaced as follows:

- `s[1] -> shift('a',1) = 'b'`

- `s[3] -> shift('b',2) = 'd'`

- `s[5] -> shift('c',3) = 'f'`

- `s[7] -> shift('d',4) = 'h'`

Constraints:

- `1 <= s.length <= 100`
- `s` consists only of lowercase English letters and digits.
- `shift(s[i-1], s[i]) <= 'z'` for all **odd** indices `i`.

JavaScript



```

1 ▾ const replaceDigits = (s) => {
2     let n = s.length;
3     let res = '';
4 ▾     for (let i = 0; i < n; i++) {
5 ▾         if (i & 1) {
6             res += sf[s[i - 1], Number(s[i])];
7 ▾         } else {
8             res += s[i];
9         }
10    }
11    return res;
12 };
13
14 ▾ const sf = (c, x) => {
15     return String.fromCharCode(c.charCodeAt() + x);
16 };

```

☐ Custom Testcase

Use Example Testcases

Run

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Submission Result: Accepted (/submissions/detail/487438354/) ⓘ

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