

301. Remove Invalid Parentheses

Hint

Given a string `s` that contains parentheses and letters, remove the minimum number of invalid parentheses to make the input string valid.

Return a list of unique strings that are valid with the minimum number of removals. You may return the answer in any order.

Example 1:

- **Input:** `s = "()()())"`
- **Output:** `["()()()", "()())"]`

Example 2:

- **Input:** `s = "(a())())"`
- **Output:** `["(a())()", "(a())()"]`

Example 3:

- **Input:** `s = ")("`
- **Output:** `[""]`

Constraints:

- $1 \leq s.length \leq 25$
- `s` consists of lowercase English letters and parentheses '(' and ')'.
Note: Input strings are guaranteed not to contain consecutive parentheses '())'.
- There will be at most 20 parentheses in `s`.