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 <= s.length <= 25
* s consists of lowercase English letters and parentheses '(' and ')'.
* There will be at most 20 parentheses in s.