

22. Generate Parentheses

Given n pairs of parentheses, write a function to *generate all combinations of well-formed parentheses*.

Example 1:

Input: $n = 3$

Output: ["((()))", "(()())", "(())()", "()(())", "()()()"]

Example 2:

Input: $n = 1$

Output: ["()"]

Constraints:

- $1 \leq n \leq 8$