

Generate Parentheses

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

For example, given $n = 3$, a solution set is:

"((()))", "(()())", "(())()", "()(())", "()()()"

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```
1 /**
2  * Return an array of size *returnSize.
3  * Note: The returned array must be malloced, assume caller calls free().
4  */
5 char** generateParenthesis(int n, int* returnSize) {
6
7 }
```

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