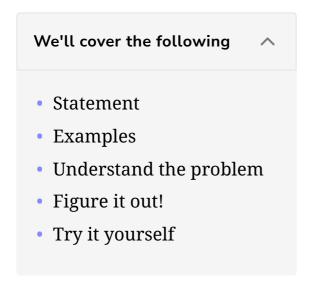
Generate Parentheses

Try to solve the Generate Parentheses problem.



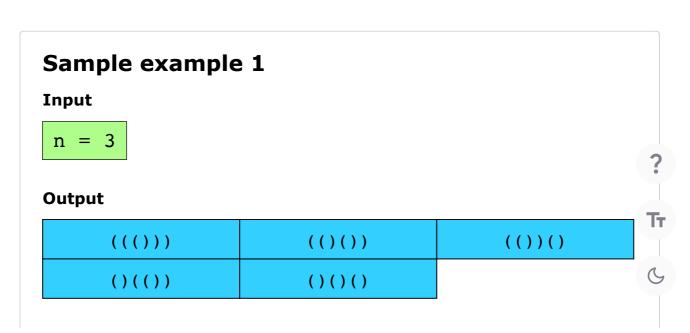
Statement

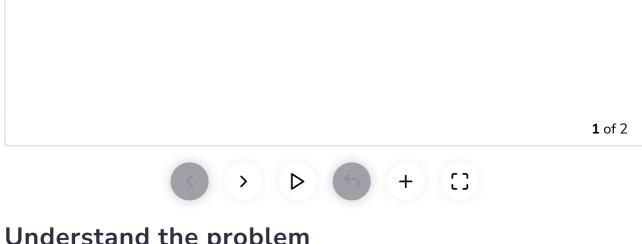
For a given number, n, generate all combinations of balanced parentheses.

Constraints:

•
$$1 \le n \le 13$$

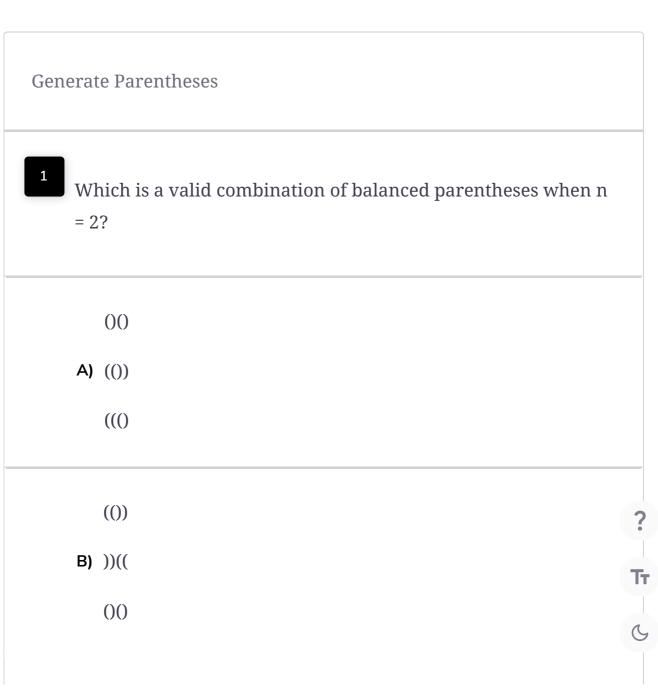
Examples





Understand the problem

Let's take a moment to make sure you've correctly understood the problem. The quiz below helps you check if you're solving the correct problem:



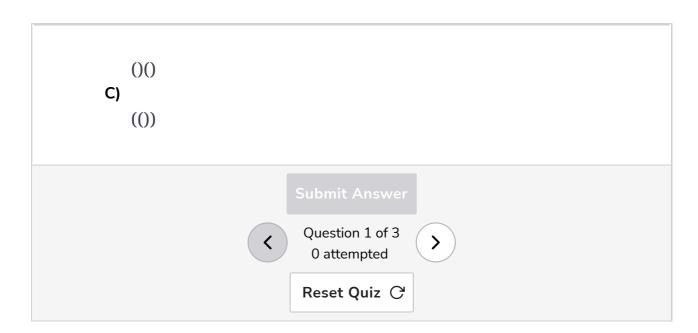
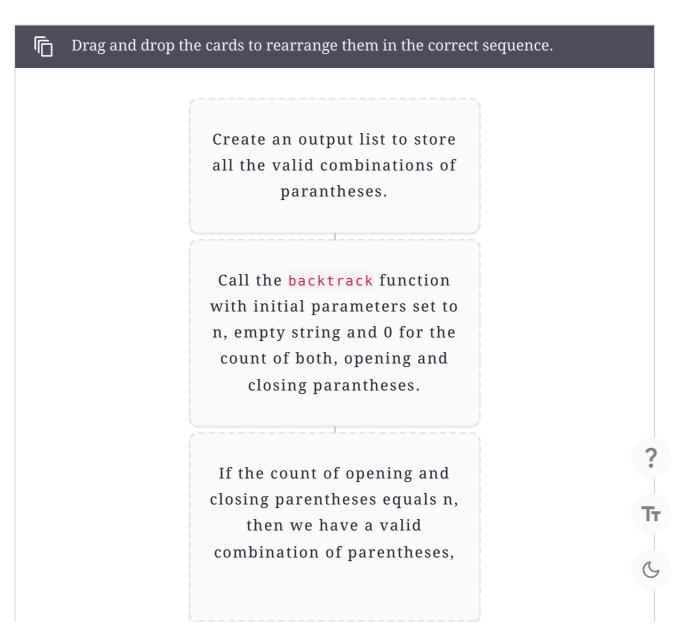
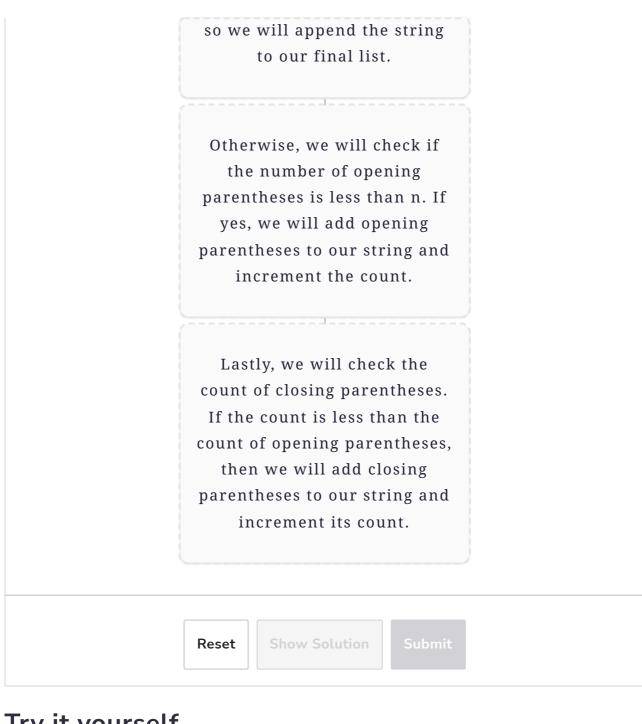


Figure it out!

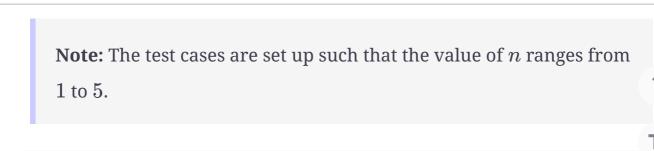
We have a game for you to play. Rearrange the logical building blocks to develop a clearer understanding of how to solve this problem.

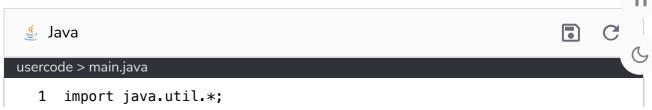




Try it yourself

 \equiv





```
2
     public class Main{
  3
          public static ArrayList<String> generateCombinations(int n) {
  4
  5
              // Your code will replace this placeholder
  6
  7
              ArrayList<String> result = new ArrayList<String>();
  8
  9
              return result;
          }
 10
 11 }
                                           Powered by Al
                                                                    Submit
Test Cases
             Results
  Case 1
            Case 2
                       Case 3
Input #1
  1
                             Generate Parentheses
```



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