

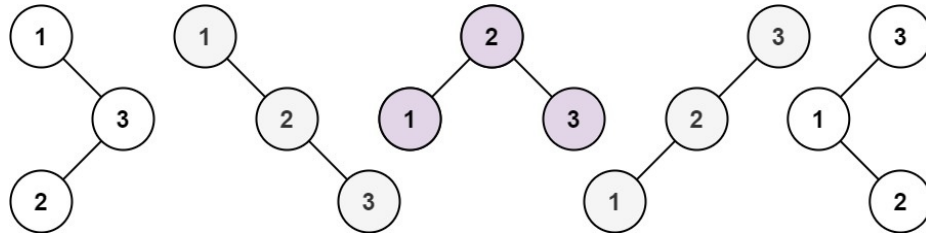
# 95. Unique Binary Search Trees II

## Difficulty : Medium

<https://leetcode.com/problems/unique-binary-search-trees-ii>

Given an integer  $n$ , return *all the structurally unique **BST**'s (binary search trees), which has exactly  $n$  nodes of unique values from 1 to  $n$ . Return the answer in **any order**.*

### Example 1:



**Input:**  $n = 3$

**Output:** `[[1,null,2,null,3],[1,null,3,2],[2,1,3],[3,1,null,null,2],[3,2,null,1]]`

### Example 2:

**Input:**  $n = 1$

**Output:** `[[1]]`

### Constraints:

- $1 \leq n \leq 8$