Day 13:

1. Largest Rectangle in Histogram **[Hard] [Amazon, Adobe, Microsoft, Google]**

   https://interviewprep.appliedroots.com/lecture/2/interview-preparation-course/410/largest-rectangle-in-histogram-problem-statement-leetcode/18/module-5-problem-solving

2. Trapping Rain Water **[Hard] [Amazon, Facebook, Goldman Sachs, Bloomberg, Google, Microsoft, Apple]**

   https://interviewprep.appliedroots.com/lecture/2/interview-preparation-course/1499/trapping-rain-water-problem-statement-leetcode/18/module-5-problem-solving

3. Asteroid Collision **[Medium] [Amazon, Microsoft, Google]**

   https://interviewprep.appliedroots.com/lecture/2/interview-preparation-course/1554/asteroid-collision-problem-statement-leetcode/18/module-5-problem-solving

4. Count number of nodes in the binary tree **[Easy]**

   https://interviewprep.appliedroots.com/lecture/2/interview-preparation-course/415/count-number-of-nodes-in-the-binary-tree/18/module-5-problem-solving

5. Check if two trees are identical or not **[Easy] [Amazon, Google]**

   https://interviewprep.appliedroots.com/lecture/2/interview-preparation-course/416/check-if-two-trees-are-identical-or-not/18/module-5-problem-solving

Practice Question:

6. You are given an array of integers nums (0-indexed) and an integer k.

   The score of a subarray (i, j) is defined as min(nums[i], nums[i+1], ..., nums[j]) * (j - i + 1). A good subarray is a subarray where i <= k <= j.

   Return the maximum possible score of a good subarray. **[Hard] [Google]**

   Practice link: https://leetcode.com/problems/maximum-score-of-a-good-subarray/

7. Given an m x n integer matrix heightMap representing the height of each unit cell in a 2D elevation map, return the volume of water it can trap after raining. **[Hard] [Google, Amazon]**

   Practice link: https://leetcode.com/problems/trapping-rain-water-ii/

8. Given a binary tree root, a node X in the tree is named good if in the path from root to X there are no nodes with a value greater than X.

   Return the number of good nodes in the binary tree. **[Medium] [Microsoft, Amazon]**

   Practice link: https://leetcode.com/problems/count-good-nodes-in-binary-tree/