Chapter 2: C++ (Problem Sets)

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1 Introduction

Please register an account on the following website to submit your solution:

- Codeforces
- AtCoder
- LeetCode

2 Sorting and Enumerating Vectors

Problems under this section are related to the usage of std::vector.

- 1. Codeforces 1325B
- 2. Codeforces 2010A
- 3. AtCoder ABC 387B

3 Enumerating Patterns in Strings

Problems under this section are related to the usage of std::string.

- 1. Codeforces 1324B
- 2. Codeforces 385B
- 3. Codeforces 550A

4 Stack

- 1. Maximum Nesting Depth of the parentheses
- 2. Valid Parentheses
- 3. Validate Stack Sequences

5 Set/Unordered set

- 1. Minimum Number of Operations to make elements in array distinct
- 2. Minimum Operations to make array values equal to ${\bf k}$
- 3. Identify the largest outlier in an array

6 Map/Unordered map

- 1. Number of Winning Players
- 2. Top k frequent Elements
- 3. Reduce Array Size to the half

7 Priority Queue

- 1. Last Stone Weigh
- 2. Car Pooling

^{*}Please assume the range to be n j=1e5 and nums j=1e9