Algorithm Homework - Week 10

Due date: Nov 25, 2021

1. 2-1 (textbook page 39)
2. 9.3-1 (textbook page 223)
3. 9.3-7 (textbook page 223)
4. OJ Programming Assignment 1

   Given an integer array `nums`, return the number of range sums that lie in `[lower, upper]` inclusive.

   Range sum `S(i, j)` is defined as the sum of the elements in `nums` between indices `i` and `j` (`i` ≤ `j`), inclusive.

   A naïve algorithm of $\Theta(n^2)$ is trivial. You **have to** do better than that.

   https://en.thusaac.com/#!/contest/32/problem/0

   Check the link above for more information and submit your code.