5445. Range Sum of Sorted Subarray Sums

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Given the array `nums` consisting of `n` positive integers. You computed the sum of all non-empty continous subarrays from the array and then sort them in non-decreasing order, creating a new array of `n * (n + 1) / 2` numbers.

Return the sum of the numbers from index `left` *to index* `right` (**indexed from 1**)*, inclusive, in the new array.* Since the answer can be a huge number return it modulo 10^9 + 7.

User Accepted:	0
User Tried:	0
Total Accepted:	0
Total Submissions:	0
Difficulty:	Medium

Example 1:

```
Input: nums = [1,2,3,4], n = 4, left = 1, right = 5
Output: 13
Explanation: All subarray sums are 1, 3, 6, 10, 2, 5, 9, 3, 7, 4. After sorting them in nc
```

Example 2:

```
Input: nums = [1,2,3,4], n = 4, left = 3, right = 4
Output: 6
Explanation: The given array is the same as example 1. We have the new array [1, 2, 3, 3,
```

Example 3:

```
Input: nums = [1,2,3,4], n = 4, left = 1, right = 10
Output: 50
```

Constraints:

- `1 <= nums.length <= 10^3`
- `nums.length == n`
- `1 <= nums[i] <= 100`
- `1 <= left <= right <= n * (n + 1) / 2`

JavaScript

```
1 ▾ /**
```

```
 * @param {number[]} nums
 * @param {number} n
 * @param {number} left
 * @param {number} right
 * @return {number}
 */
const rangeSum = (nums, n, left, right) => {
    let data = [];
    for (let i = 0; i < nums.length; i++) {
        for (let j = i + 1; j <= nums.length; j++) {
            let subarr = nums.slice(i, j)
            data.push(sum(subarr));
        }
    }
    data.sort((a, b) => a - b);
    let res;
    res = data.slice(left - 1, right);
    return sum(res) % 1000000007;
};

const sum = (arr) => {
    return arr.reduce((acc, cur) => acc + cur);
};
```

☐ **Custom Testcase** Use Example Testcases

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Submission Result: Accepted (/submissions/detail/365139383/)

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