2964. Number of Divisible Triplet Sums Premium Medium ♥ Topics 🖫 Companies 🗘 Hint Given a **0-indexed** integer array nums and an integer d, return the number of triplets (i, j, k) such that i < j < k and (nums[i] + nums[j] + nums[k]) % d == 0. Example 1: **Input:** nums = [3,3,4,7,8], d = 5 Output: 3 Explanation: The triplets which are divisible by 5 are: (0, 1, 2), (0, 2, 4), (1, 2, 4). It can be shown that no other triplet is divisible by 5. Hence, the answer is 3. Example 2: **Input:** nums = [3,3,3,3], d = 3 Output: 4 Explanation: Any triplet chosen here has a sum of 9, which is divisible by 3. Hence, the answer is the total number of triplets which is 4. Example 3: **Input:** nums = [3,3,3,3], d = 6 Output: 0 Explanation: Any triplet chosen here has a sum of 9, which is not divisible by 6. Hence, the answer is 0. **Constraints:** • 1 <= nums.length <= 1000 • 1 <= nums[i] <= 10⁹ • $1 \le d \le 10^9$ Seen this question in a real interview before? 1/5 Yes No Acceptance Rate 64.5% Accepted 2.7K Submissions 4.2K ♥ Topics Array Hash Table **€** Companies 0 - 3 months Salesforce 4 Palantir Technologies 2 0 - 6 months IBM 2 O Hint 1 Fix index L to be the leftmost element of a triplet. O Hint 2 Starting from L, go forward and add the remainder of each element to a map. Q Hint 3 Now when you are at index R, consider nums [L] + nums [R] and calculate what the remainder of the third element should be. Q Hint 4 Then use the map to find the number of valid third elements between L and R. Discussion (1)

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