2387. Median of a Row Wise Sorted Matrix Premium Medium ♥ Topics ② Companies ۞ Hint Given an m x n matrix grid containing an **odd** number of integers where each row is sorted in **non-decreasing** order, return the **median** of the matrix. You must solve the problem in less than 0 (m * n) time complexity. Example 1: **Input:** grid = [[1,1,2],[2,3,3],[1,3,4]] Output: 2 Explanation: The elements of the matrix in sorted order are 1,1,1,2,2,3,3,3,4. The median is 2. Example 2: **Input:** grid = [[1,1,3,3,4]] Output: 3 Explanation: The elements of the matrix in sorted order are 1,1,3,3,4. The median is 3. Constraints: m == grid.length n == grid[i].length • 1 <= m, n <= 500 m and n are both odd. • 1 <= grid[i][j] <= 10⁶ grid[i] is sorted in non-decreasing order. Seen this question in a real interview before? 1/5 Yes No Submissions 5.4K Accepted 3.7K Acceptance Rate 69.4% ♥ Topics Array Binary Search Matrix **Companies** 0 - 6 months DE Shaw 2 Q Hint 1 How can you use the fact that the rows are sorted in non-decreasing order to solve the problem efficiently? O Hint 2 Try to binary search the answer. **₹** Similar Questions Median of Two Sorted Arrays Hard Discussion (4)

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