Perturbation Type: Gamification

(I) Clean Coding Problem

You are given a 0-indexed 2D integer array nums. Initially, your score is 0. Perform the following operations until the matrix becomes empty:

From each row in the matrix, select the largest number and remove it. In the case of a tie, it does not matter which number is chosen. Identify the highest number amongst all those removed in step 1. Add that number to your score.
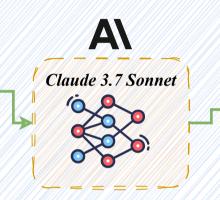
Return the final score.
Example 1: ....

Correct ✅

```python
class Solution:
    def matrixSum(self, nums: List[List[int]]) -> int:
        # Sort each row in descending order
        for i in range(len(nums)):
            nums[i].sort(reverse=True)
        total_score = 0
        # Process columns from left to right (since each row is sorted in descending order)
        for col in range(len(nums[0])):
            # Find the maximum value in the current column
            max_val = 0
            for row in range(len(nums)):
                # Only consider the column if it exists in this row
                if col < len(nums[row]):
                    max_val = max(max_val, nums[row][col])
            total_score += max_val

        return total_score
```

(II) Gamified Coding Problem

The Great Treasure Hunt of Azura

In the mystical realm of Azura, four brave adventurers - Arin, Lyra, Kaida, and Zephyr - embark on a perilous quest to claim the legendary Golden Chalice. The chalice is hidden within a series of ancient, labyrinthine temples, each containing a treasure map etched onto a mysterious scroll.

Your Mission:

As the leader of the adventurers, your goal is to navigate the temples, collect the treasure maps, and claim the Golden Chalice. The treasure maps are represented by a 2D grid of numbers, where each number corresponds to a specific treasure hidden within the temple. ....

Wrong ❌

```python
class Solution:
    def matrixSum(self, nums:
List[List[int]]) -> int:
        total_sum = 0
        for row in nums:
            total_sum += max(row)
        return total_sum
```