4. Median of Two Sorted Arrays

https://leetcode.com/problems/median-of-two-sorted-arrays/

Hard

There are two sorted arrays nums1 and nums2 of size m and n respectively.

Find the median of the two sorted arrays. The overall run time complexity should be O(log (m+n)).

You may assume nums1 and nums2 cannot be both empty.

Example 1:

```
nums1 = [1, 3]
nums2 = [2]
The median is 2.0
```

Example 2:

```
nums1 = [1, 2]

nums2 = [3, 4]

The median is (2 + 3)/2 = 2.5
```