

@LeetCode

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 $(2 + 3)/2 = 2.5$