**Binary Search**

**Median of Two Sorted Arrays** (**4**)

1. **Problem**: Return the median of two sorted arrays in O (log (m + n));
2. **Solution**:
   1. Merge two arrays doesn’t work, so based on the time complexity, think of binary search;
   2. **Slice** to meet **nums1[midA-1]<=nums2[midB]** & **nums2[midB-1]<=nums1[midA]**;
   3. First step is to figure out # to pick from each array, and second step to compare.