

難度 1 / 5

題目敘述

Given two sorted arrays `nums1` and `nums2` of size `m` and `n` respectively, return the **median** of the two sorted arrays.

Example 1:

Input: `nums1 = [1,3], nums2 = [2]`

Output: `2.00000`

Explanation: merged array = `[1,2,3]` and median is 2.

Example 2:

Input: `nums1 = [1,2], nums2 = [3,4]`

Output: `2.50000`

Explanation: merged array = `[1,2,3,4]` and median is $(2 + 3) / 2 = 2.5$.

參考答案

```
class Solution {
public:
    double solve(vector<int>& nums1, vector<int>& nums2) {
        int LEN = nums1.size() + nums2.size();
        int arr[LEN];
        int len1 = nums1.size();
        int len2 = nums2.size();
        for (int i = 0; i < len1; i++) arr[i] = nums1[i];
        for (int j = len1, i = 0; j < LEN, i < len2; j++, i++) arr[j] = nums2[i];
        sort(arr, arr + LEN);
        double ans;
        if (LEN % 2) ans = arr[LEN / 2];
        else ans = (arr[LEN / 2] + arr[(LEN / 2) - 1]) / 2.0;
        return ans;
    }
};
```