

## 第三周总结

使用二分查找，寻找一个半有序数组[4, 5, 6, 7, 0, 1, 2]中间无序的地方

```
class Solution(object):
    def search(self, nums):
        left = 0; right = len(nums)
        while left < right:
            mid = (left + right) / 2
            if right == left + 1 :
                return [nums[left], nums[right]]
            elif nums[mid] > nums[left]:
                left = mid
            elif nums[mid] < nums[left]:
                right = mid
```

测试代码运行结果:

```
d = Solution()
print d.search([4, 5, 6, 7, 0, 1, 2])
```

输出[7, 0]

即数组中无序的地方