**Problem #561: Array Partition**

<https://leetcode.com/problems/array-partition/description/>

**My Solution:**

1. Sort nums array.
2. Let total be set to 0.
3. Iterate through nums. If the index is divisible by 2, then add that number of the total.
4. Return total

**Explanation:**

In the pair (ai, bi), ai will be even index and bi will be the odd index which is the next bigger number in nums after ai. So we get the sum of all the small numbers in the pair.

class Solution:

def arrayPairSum(self, nums: List[int]) -> int:

'''

nums = sorted(nums)

total = 0

for i in range(len(nums)):

if i % 2 == 0:

total += nums[i]

return total

'''

nums = sorted(nums)

return sum([nums[i] for i in range(len(nums)) if i % 2 == 0])