Problem # 1679 : Max Number of K-Sum Pairs. (Medium)

https://leetcode.com/problems/max-number-of-k-sum-pairs/

My Solution:

1. Use “from collections import Counter”. Use Counter on nums list to get a dictionary with frequencies of elements in nums called my\_dict.

2. Initialize countPairs to 0.

3. Iterate through the keys in my\_dict. Add to countPairs the minimum of the value of the key in my\_dict and the value of the complement of the key (i.e. k – key) in my\_dict.

4. Return countPairs integer divided by 2 since we are counting the pairs twice (i.e. key and its complement value)

from collections import Counter

class Solution:

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

my\_dict = Counter(nums)

countPairs = 0

for key in my\_dict.keys():

countPairs += min(my\_dict[key], my\_dict[k - key])

return countPairs//2