Problem #1385: Find the Distance Value Between Two Arrays. (Easy)

<https://leetcode.com/problems/find-the-distance-value-between-two-arrays/description/>

**My Solution:**

1. A helper function checkDist takes a number num1, a list called alist and d as inputs. It calculated whether the absolute difference from num1 to any of the elements in alist is less than or equal to d. If so, return True, else return False.
2. Initialize count to 0.
3. Iterate through arr1. For each element in arr1, if checkdist returns True, negate True and increment count.
4. Return count.

class Solution:

def findTheDistanceValue(self, arr1: List[int], arr2: List[int], d: int) -> int:

def checkDist(num1, alist, d):

if any(abs(num1 - x)<= d for x in alist):

return True

else:

return False

'''

count = 0

for num in arr1:

if not checkDist(num, arr2, d):

count += 1

return count

'''

return sum([not checkDist(num, arr2, d) for num in arr1])

Note: Shorter form of the for loop.