

```
import math
import os
import random
import re
import sys

def countApplesAndOranges(s, t, a, b, apples, oranges):
    totalapples = totaloranges = 0
    for i in range(len(apples)):
        if s <= a+apples[i] <= t:
            totalapples+=1
    for i in range(len(oranges)):
        if s <= b+oranges[i] <= t:
            totaloranges+=1
    print(totalapples)
    print(totaloranges)
```

```
if __name__ == '__main__':
    first_multiple_input = input().rstrip().split()

    s = int(first_multiple_input[0])

    t = int(first_multiple_input[1])

    second_multiple_input = input().rstrip().split()

    a = int(second_multiple_input[0])

    b = int(second_multiple_input[1])

    third_multiple_input = input().rstrip().split()

    m = int(third_multiple_input[0])

    n = int(third_multiple_input[1])

    apples = list(map(int, input().rstrip().split()))

    oranges = list(map(int, input().rstrip().split()))

    countApplesAndOranges(s, t, a, b, apples, oranges)
```