```python
import sys
n, m = map(int, input("Enter The Number of Groups(n) & No of
Planes(m)").split())
a = list(map(int, input("Enter the No of Passengers in each group in
the above order").split()))
b = list(map(int, input("Enter the Capacity of Each plane in above
order").split()))
b.sort()
b.reverse()
a.sort()
a.reverse()
if b[0] < a[0]:
    print("The Number of Trip's Taken -1")
else:
    i = 1
    j = 1
    time = 1
    source = m - 1
    destination = 1
    maxtimes = -1
    while i < n:
        while b[j] < a[i]:
            i += 1
            time += 2
            if time > maxtimes:
                maxtimes = time
        j += 1
        i += 1
        time = 1
        if time > maxtimes:
            maxtimes = time
        source -= 1
        destination += 1
        if j == m and i != n:
            if source >= (n - i):
                maxtimes += 1
                break
            else:
                source = m
                maxtimes += 1
                if source >= n - i:
                    maxtimes += 1
                    break
                else:
                    k = ((n - i) // source) + ((n - i) % source != 0)
                    maxtimes = 2 * k - 1
    if time > maxtimes:
        maxtimes = time
    print("The No of Trip's Taken is: ", maxtimes)
```

```
Enter The Number of Groups(n) & No of Planes(m) 4 3
Enter the No of Passengers in each group in the above order 8 1 6 9
Enter the Capacity of Each plane in above order 7 3 2

The Number of Trip's Taken -1
```