1. 题目

34B. Sale

greedy, sorting, 900, https://codeforces.com/problemset/problem/34/B
代码

```
    n, m = map(int, input().split())
a = list(map(int, input().split()))
a.sort()
ans = 0
for i in range(m):
    if a[i] > 0:
        break
    ans += a[i]
print(-ans)
#
```

代码运行截图 （至少包含有"Accepted"）

```
n, m = map(int, input().split())
a = list(map(int, input().split()))
a.sort()
ans = 0
for i in range(m):
    if a[i] > 0:
        break
    ans += a[i]
print(-ans)
```

160A. Twins

greedy, sortings, 900, https://codeforces.com/problemset/problem/160/A
代码

```
n = int(input())
a = list(map(int, input().split()))
a.sort(reverse=True)
b = 0
c = sum(a)
k = 0
for i in a:
    b += i
    k += 1
    if b > c/2:
        break
print(k)
```

代码运行截图 ==（至少包含有"Accepted"）==

```python
n = int(input())
a = list(map(int, input().split()))
a.sort(reverse=True)
b = 0
c = sum(a)
k = 0
for i in a:
    b += i
    k += 1
    if b > c/2:
        break
print(k)
```

1879B. Chips on the Board

constructive algorithms, greedy, 900, https://codeforces.com/problemset/problem/1879/B

代码

```python
t = int(input())
for _ in range(t):
    n = int(input())
    *a, = map(int, input().split())
    *b, = map(int, input().split())

    min_a = min(a)
    min_b = min(b)

    ans1 = sum([min_a + i for i in b])
    ans2 = sum([min_b + i for i in a])
    print(min(ans1, ans2))
```

代码运行截图 （至少包含有"Accepted"）2

```python
t = int(input())
for _ in range(t):
    n = int(input())
    *a, = map(int, input().split())
    *b, = map(int, input().split())

    min_a = min(a)
    min_b = min(b)

    ans1 = sum([min_a + i for i in b])
    ans2 = sum([min_b + i for i in a])
    print(min(ans1, ans2))
```

158B. Taxi

*special problem, greedy, implementation,

代码

```python
import math
input()

a, b, c, d = map(input().count, ('1', '2', '3', '4'))
```

print(d + c + math.ceil((b * 2 + max(0,a-c))/4))

代码运行截图 （至少包含有"Accepted"）

```python
import math
input()

a, b, c, d = map(input().count, ('1', '2', '3', '4'))

print(d + c + math.ceil((b * 2 + max(0,a-c))/4))
```

2. 学习总结和收获

(1)快期中了连做作业都感觉紧。

(2)34B. Sale 排序后进入循环，要注意 break 放的位置，不要把最后一次判定结果计入

(3)Taxi 一题没有编程上的难度，感觉像在做数学应用题，把最简洁的算式写出来就好，我写的还是不够简洁，导入了 math 包取整而没有想到手动+3 即可向上取整（参考答案的做法）。

(4)Chips on the Board 这个题也是思路为重，相比之下目前的排序还不算难。I