

## Задача № 1

```
with open('ex.txt') as f:
    n, k = map(int, f.readline().split())
    st = dict()
    vuz = dict()

    for _ in range(n):
        id_st, id_vuz, mon = map(int, f.readline().split())
        st[id_st] = [id_vuz, mon, 0]

    for _ in range(4 * n):
        id_st, *ex = map(int, f.readline().split())
        if 100 in ex:
            st[id_st][1] += 100
            st[id_st][2] += 100
        else:
            st[id_st][2] += (sum(ex) // 3)

    for _ in range(k):
        id_vuz, budz, price = map(int, f.readline().split())
        vuz[id_vuz] = [budz, price, []]

    for st_id, info in st.items():
        id_vuz, mon, ball = info
        vuz[id_vuz][2].append((ball, st_id))

    cnt_dolg = 0
    dolg = -100000000

    for id_vuz, info in vuz.items():
        budz, price, info_st = info
        info_st = sorted(info_st, reverse=True)

        for ball, st_id in info_st[budz:]:
            if info_st[budz - 1][0] == ball:
                continue

            babki = st[st_id][1] - price
            if babki < 0:
                cnt_dolg += 1
                dolg = max(dolg, babki)

    print(cnt_dolg, abs(dolg))
```

## Задача № 2

```
with open('ex1.txt') as f:
    n, k = map(int, f.readline().split())
    tm = []

    for _ in range(n):
        st, end = map(int, f.readline().split())

        if st == end:
            tm.append([st, st, end])
        else:
            tm.append([st + end, st + end, end])

    tm.sort()
    cnt = 1
    ans_cnt = 0
    fl = False
    ans = 0

    tm[0][0] += 240

    for i in range(1, len(tm)):
        cnt += 1
        tm[i][0] += 240 * (i + 1) - (tm[i][1] - tm[i - 1][1])

        if cnt == k:
            ans = tm[i][0]
            fl = True

    if fl:
        if tm[i][1] > ans:
            ans_cnt += 1

    print(ans_cnt, ans)
```