```
def cs27653(I):
       d = I[1] * I[3]
       c = I[0] * I[3] + I[1] * I[2]
       a = min(c, d)
       b = c + d - a
       while a != 0:
               tmp = b % a
               b = a
               a = tmp
       print(c // b, end="/")
       print(d // b)
   #43996759提交状态
   状态: Accepted
                                                                  基本信息
   源代码
                                                                      #: 43996759
                                                                     颞目: 27653
    def cs27653(1):
    d = 1[1] * 1[3]
    c = 1[0] * 1[3] + 1[1] * 1[2]
                                                                    提交人: 22n2200011358
                                                                    内存: 3548kB
       a = min(c, d)
b = c + d - a
while a != 0:
                                                                     时间: 23ms
                                                                     语言: Python3
                                                                  提交时间: 2024-02-27 16:05:03
         tmp = b % a
b = a
       print(c // b, end="/")
print(d // b)
    cs27653(tuple(map(int, input().split())))
   ©2002-2022 POJ 京ICP备20010980号-1
                                                                                  English 帮助 关于
```

```
def cs04110(t):
    def take1(e):
         return e[0] / e[1]
    n = t[0]
    w = t[1]
    | = []
    for i in range(n):
         l.append(tuple(map(int, input().split())))
    l.sort(key=take1, reverse=True)
    i, ans = 0, 0
    while w > 0 and i < n:
         w = I[i][1]
         ans += |[i][0]
         i += 1
    ans += min(w, 0) * l[i - 1][0] / l[i - 1][1]
    ans = (ans * 100) // 10 / 10
```

```
print(ans)
#43997311提交状态
                                                                                  查看
                                                                                                 统计
                                                                                                        提问
                                                                                          提交
状态: Accepted
                                                                           基本信息
                                                                                #: 43997311
                                                                              题目: 04110
 def take(e):
                                                                             提交人: 22n2200011358
     return e[0] / e[1]
                                                                              内存: 3620kB
                                                                              时间: 21ms
 def cs04110(t):
                                                                              语言: Python3
    n = t[0]
                                                                           提交时间: 2024-02-27 16:53:06
     w = t[1]
     1 = []
for i in range(n):
         1.append(tuple(map(int, input().split())))
     l.sort(key=take, reverse=True)
     i, ans = 0, 0
     while w > 0 and i < n:
       w -= l[i][1]
        ans += l[i][0]
     ans += min(w, 0) * 1[i - 1][0] / 1[i - 1][1]
ans = (ans * 100) // 10 / 10
     print(ans)
 cs04110(tuple(map(int, input().split())))
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                                                                                              English 帮助 关于
```

18182: 打怪兽

```
lt.sort(key=take2)
pre = lt[0][0]
† = 0
for j in It:
    if j[0] == pre:
         † += 1
         if t > m:
              continue
    else:
         pre = j[0]
         † = 1
    b -= j[1]
    if b <= 0:
         print(j[0])
         break
```

if b > 0: print("alive")

```
#43997700提交状态
                                                                                查看
                                                                                       提交
                                                                                            统计
状态: Accepted
                                                                         基本信息
源代码
                                                                              #: 43997700
                                                                            题目: 18182
 def take2(e):
                                                                           提交人: 22n2200011358
     return e[0], -e[1]
                                                                            内存: 3820kB
                                                                             时间: 71ms
 def cs18182 (nc):
                                                                             语言: Python3
     for i in range(nc):
                                                                         提交时间: 2024-02-27 17:39:16
       n, m, b = map(int, input().split())
lt = []
            lt.append(tuple(map(int, input().split())))
        lt.sort(key=take2)
        pre = 1t[0][0]
         for j in lt:
            if j[0] == pre:
    t += 1
                   continue
            else:
               pre = j[0]
            b -= j[1]
            if b <= 0:
                print(j[0])
         if b > 0: print("alive")
 cs18182(int(input()))
```

18176: 2050 年成绩计算

```
def cs18176(n):
    from math import sqrt

    lt = {2, 3, 5, 7, 11, 13, 17, 19}

    for i in range(23, 10000, 2):
        bol = True

    for j in range(3, int(sqrt(i)) + 1, 2):
        if i % j == 0:
        bol = False
```

```
break
    if bol: lt.add(i)
for i in range(n):
    sc = tuple(map(int, input().split()))
    ans = 0
    for j in sc:
         a = sqrt(j)
         if a == int(a) and a in It:
              ans += j
    ans /= len(sc)
    if ans:
         print(format(ans, ".2f"))
    else:
         print(0)
```

'cs18176(int(input().split()[0]))'

```
#43999253提交状态
状态: Accepted
                                                                            基本信息
源代码
                                                                                  #: 43999253
                                                                                题目: 18176
 def cs18176(n):
                                                                              提交人: 22n2200011358
     from math import sqrt
                                                                                内存: 7704kB
     1t = \{2, 3, 5, 7, 11, 13, 17, 19\}
     for i in range(23, 10000, 2):
    bol = True
                                                                                时间: 58ms
                                                                                语言: Python3
         for j in range(3, int(sqrt(i)) + 1, 2):
                                                                             提交时间: 2024-02-27 20:12:44
            if i % j == 0:
               bol = False
        break
if bol: lt.add(i)
     for i in range(n):
         sc = tuple(map(int, input().split()))
         ans = 0
for j in sc:
             a = sqrt(j)
             if a == int(a) and a in lt:
                 ans += j
         ans /= len(sc)
         if ans:
            print(format(ans, ".2f"))
 cs18176(int(input().split()[0]))
```

B - T-primes

```
def b230(n):
    from math import sqrt
    t = tuple(map(int, input().split()))
    lt = {2}
    for i in range(3, 1000000, 2):
        bol = True
        for j in range(3, int(sqrt(i)) + 1, 2):
            if i % j == 0:
                 bol = False
                 break
```

A - XXXXX

```
def a1364(t):
    for i in range(t):
        n, x = map(int, input().split())
        tp = tuple(map(int, input().split()))
        a, b, s = n + 1, 0, 0

        for j in range(n):
        s += tp[j]
        if tp[j] % x != 0:
        if a - n - 1:
```

```
b = j + 1
```

else:

$$a = j + 1$$

if s % x == 0:

print(max(n - a, b - $\overline{1}$))

else:

print(n)

```
By lcyLemon666, contest: Codeforces Round 649 (Div. 2), problem: (A) XXXXX, Accepted, #, Copy

def al364(t):
    for i in range(t):
        n, x = map(int, input().split())
        tp = tuple(map(int, input().split()))
        a, b, s = n+1, 0, 0
        for j in range(n):
            s += tp[j]
            if a-n-1:
                  b = j + 1
            else:
                  a = j + 1
        if s % x == 0:
            print(max(n - a, b - 1))
        else:
            print(n)
```

总结:本次学习了符合一定条件的最长子序列问题的处理,以及学习了一些低时间复杂度的质数生成,包括筛法。本次就是这两个问题耗时较多。