## E07618: 病人排队

```
n=int(input())
hospital=[]
for _ in range(n):
     ID,num=tuple(input().split())
     age=int(num)
     hospital.append((ID,age))
     old=[(ID,age) for (ID,age) in hospital if age>=60]
     old.sort(key=lambda x: x[1],reverse=True)
     others=[(ID,age) for (ID,age) in hospital if age<60]
final=old+others
for (ID, age) in final:
     print(ID)
  11 题库(包括计概、
                    07618: 病人排队
                                       Accepted
                                                      3644kB 27ms
                                                                        339 B
                                                                                    Python3 昨天
  数算题目)
```

# E23555: 节省存储的矩阵乘法

```
n,m1,m2=map(int,input().split())
A=[[0]*n for _ in range(n)]
B=[[0]*n for _ in range(n)]
for _ in range(m1):
     i1,j1,k1=tuple(map(int,input().split()))
     A[i1][j1] = k1
for _ in range(m2):
     i2,j2,k2=tuple(map(int,input().split()))
     B[i2][j2]=k2
C=[[0]*n for _ in range(n)]
for i in range(n):
     for j in range(n):
          C[i][j]=0
          for k in range(n):
                C[i][j]+=A[i][k]*B[k][j]
          if C[i][j]!=0:
                print(i,j,C[i][j])
```

## 18182:打怪兽

```
from collections import Counter
case=int(input())
for _ in range(case):
     attack = []
     n,m,b=map(int,input().split())
     for _ in range(n):
          t,x=tuple(map(int,input().split()))
          attack.append((t,x))
          attack.sort(key=lambda y: y[0])
     sum_x=0
     counts=Counter(t for (t,x) in attack)
     final=[]
     for t in counts:
          same = [(t, x) for t_value, x in attack if t_value == t]
          same.sort(key=lambda y: y[1])
          if counts[t]>m:
               for _ in range(counts[t]-m):
                    same.remove(same[0])
               # attack=[items for items in attack if items[0]!=t]
          for t,x in same:
               sum x+=x
          if sum_x>=b:
               print(t)
               break
     if sum_x<b:
          print("alive")
 11 题库 (包括计概、
                   18182: 打怪兽
                                     Accepted
                                                    3932kB 589ms
                                                                     762 B
                                                                                 Python3 19小时前
 数算题目)
```

# M28780: 零钱兑换3

```
import bisect

n,m=map(int,input().split())
value=list(map(int,input().split()))

dp=[float('inf')]*(m+1)
dp[0]=0
for i in range(1,m+1):
    a=bisect.bisect_right(value,i)
```

#### if a!=0:

dp[i]=min(dp[i-value[k]] for k in range(a))+1

### print(dp[m] if dp[m]!= float('inf') else -1)

比赛	题目	结果	内存	时间	代码长度	语言	提交时间
加 题库 (包括计概、数算题目)	28780: 零钱兑换3	Accepted	8620kB	5071ms	284 B	Python3	3分钟前

# T12757: 阿尔法星人翻译官

```
english=input()
english to num map={ 'zero':0, 'one':1, 'two':2, 'three':3, 'four':4, 'five':5, 'six':6, 'seven':7,
                        'eight':8, 'nine':9, 'ten':10, 'eleven':11, 'twelve':12, 'thirteen':13,
                        'fourteen':14, 'fifteen':15, 'sixteen':16, 'seventeen':17, 'eighteen':18,
                        'nineteen':19, 'twenty':20, 'thirty':30, 'forty':40, 'fifty':50, 'sixty':60,
                        'seventy':70, 'eighty':80, 'ninety':90,'hundred':100, 'thousand':1000,
                        'million':1000000}
def english_to_num(s):
    total = 0
    current=0
    words = s.split()
    for word in words:
         if word in english_to_num_map:
              value=english_to_num_map[word]
              if value==100:
                   current*=value
              elif value>=1000:
                   current*=value
                   total+=current
                   current=0
              else:
                   current+=value
    total+=current
    return total
if "negative" in english:
    print("-"+str(english_to_num(english)))
else:
    print(english_to_num(english))
```

## T16528: 充实的寒假生活

```
n=int(input())
activities=[]
for _ in range(n):
        start,end=map(int,input().split())
        activities.append((start,end))
activities.sort(key=lambda x:x[1])

ed=-1
num=0
for i in range(n):
        if ed<activities[i][0]:
            num+=1
            ed=activities[i][1]
print(num)</pre>
```

 DEF (包括计概、 16528: 充实的寒假生活 数算题目)
 Accepted 3848kB 31ms 289 B Python3 24分钟前

### 学习感悟:

在前面耗费了太多时间,最后一题明明比较简单(可以根据之前上课教过的贪心的区间问题套模板来做)但是没有时间做了。感觉这次整体还是比上次作业简单的,但是总是因为一些小小的错误没有 AC,比如第四道题一直是超时,因为没有想到可以将 bisect 二分查找用在dp 上来降低时间复杂度。倒数第二题其实和之前有一次的作业: 玛雅数字和阿拉伯数字的转换很像,所以做起来很得心应手,但是没有处理好 value>=1000 这种大倍率的情况所以WA。发现自己很多时候会想的比较复杂,比如打怪兽的题,考场上想的太复杂了把自己搞乱了,导致各种循环的内外层结构也写得乱七八糟的。感觉还是需要多训练循环嵌套时的逻辑,牵一发而动全身......