

## Assignment #2: 语法练习

Updated 0126 GMT+8 Sep 24, 2024

2024 fall, Compiled by 吕金浩, 物理学院

### 1. 题目

#### 263A. Beautiful Matrix

<https://codeforces.com/problemset/problem/263/A>

#### 代码

```
m,n=0,0
for i in range(5):
    lst=input().split()
    for j in range(5):
        if int(lst[j])==1:
            m=i
            n=j
num=abs(m-2)+abs(n-2)
print(num)
```

PROBLEMS SUBMIT CODE MY SUBMISSIONS STATUS HACKS ROOM STANDINGS CUSTOM INVOCATION

#	Author	Problem	Lang	Verdict	Time	Memory	Sent	Judged		
280140557	Practice: goodgoodbrother	<a href="#">263A</a> - 8	Python 3	Accepted	154 ms	32 KB	2024-09-07 06:57:53	2024-09-07 06:57:53	★	<button>Compare</button>

→ Source Copy

```
m,n=0,0
for i in range(5):
    lst=input().split()
    for j in range(5):
        if int(lst[j])==1:
            m=i
            n=j
num=abs(m-2)+abs(n-2)
print(num)
```

[Click to see test details](#)

#### 1328A. Divisibility Problem

<https://codeforces.com/problemset/problem/1328/A>

#### 代码

```
n=int(input())
lst=[]
for i in range(n):
    a,b=input().split()
    a=int(a)
    b=int(b)
    if a%b==0:
        lst.append(0)
    else:
        lst.append(b-(a%b))
for j in range(n):
    print(lst[j])
```

General										
#	Author	Problem	Lang	Verdict	Time	Memory	Sent	Judged		
280153944	Practice: goodgoodbrother	<a href="#">1328A</a> - 12	Python 3	Accepted	78 ms	28 KB	2024-09-07 09:46:30	2024-09-07 09:46:30	☆	Compare

→ Source Copy

```
n=int(input())
lst=[]
for i in range(n):
    a,b=input().split()
    a=int(a)
    b=int(b)
    if a*b==0:
        lst.append(0)
    else:
        lst.append(b-(a*b))
for j in range(n):
    print(lst[j])
```

[Click](#) to see test details

## 427A. Police Recruits

<https://codeforces.com/problemset/problem/427/A>

### 代码

```
n=int(input())
policerest=0
eventlist=(input().split())
untreated=0
for i in range(n):
    if int(eventlist[i])>0:
        policerest+=int(eventlist[i])
    else:
        if policerest>0:
            policerest-=1
        else:
            untreated+=1
print(untreated)
```

General										
#	Author	Problem	Lang	Verdict	Time	Memory	Sent	Judged		
280207407	Practice: goodgoodbrother	<a href="#">427A</a> - 21	Python 3	Accepted	93 ms	7936 KB	2024-09-07 17:17:10	2024-09-07 17:17:10	☆	Compare

→ Source Copy

```
n=int(input())
policerest=0
eventlist=(input().split())
untreated=0
for i in range(n):
    if int(eventlist[i])>0:
        policerest+=int(eventlist[i])
    else:
        if policerest>0:
            policerest-=1
        else:
            untreated+=1
print(untreated)
```

[Click](#) to see test details

## 02808: 校门外的树

<http://cs101.openjudge.cn/practice/02808/>

### 代码

```
l,m=[int(x) for x in input().split()]
initree=[1]*(l+1)
remaintree=0
```

```

for i in range(m):
    start,end=[int(x) for x in input().split()]
    for j in range(start,end+1):
        initree[j]=initree[j]-1
for i in range(l+1):
    if initree[i]>0:
        remaintree+=1
print(remaintree)

```

#### #46037614提交状态

[查看](#) [提交](#) [统计](#) [提问](#)

状态: **Accepted**

##### 源代码

```

l,m=[int(x) for x in input().split()]
initree=[1]*(l+1)
remaintree=0
for i in range(m):
    start,end=[int(x) for x in input().split()]
    for j in range(start,end+1):
        initree[j]=initree[j]-1
for i in range(l+1):
    if initree[i]>0:
        remaintree+=1
print(remaintree)

```

##### 基本信息

#: 46037614  
 题目: 02808  
 提交人: lvjinhao  
 内存: 3876kB  
 时间: 65ms  
 语言: Python3  
 提交时间: 2024-09-09 22:03:00

## sy60: 水仙花数 II

<https://sunnywhy.com/sfbj/3/1/60>

### 代码

```

a,b=map(int,input().split())
ansstr=""
for x in range(a,b+1):
    strx=str(x)
    lstx=list(strx)
    if int(lstx[0])**3+int(lstx[1])**3+int(lstx[2])**3==x:
        ansstr=ansstr+strx+' '
if ansstr=="":
    print('NO')
else:
    print(ansstr.rstrip())

```

代码书写 Python

```
1 a,b=map(int,input().split())
2 ansstr=''
3 for x in range(a,b+1):
4     strx=str(x)
5     lstx=list(strx)
6     if int(lstx[0])**3+int(lstx[1])**3+int(lstx[2])**3==x:
7         ansstr=ansstr+strx+' '
8 if ansstr=='':
9     print('NO')
10 else:
11     print(ansstr.rstrip())
```

测试输入 提交结果 历史提交

完美通过 查看题解

100% 数据通过测试  
运行时长: 0 ms

收起面板 运行 提交

## 01922: Ride to School

<http://cs101.openjudge.cn/practice/01922/>

### 代码

```
import math
while True:
    n=int(input())
    vt=[]
    if n:
        needtime=0
        for i in range(n):
            v,t=map(int,input().split('\t'))
            #print(t)
            #needtime=0
            #if i==0:
```

```
        if t>=0:
            thistime=t+(16200/v)
            if needtime==0:
                needtime=thistime
            if thistime<needtime:
                needtime=thistime
        print(math.ceil(needtime))
        #vt.append((v,t))
    else:
        break
```

#46208112提交状态

[查看](#) [提交](#) [统计](#) [提问](#)

状态: **Accepted**

源代码

```
import math
while True:
    n=int(input())
    vt=[]
    if n:
        needtime=0
        for i in range(n):
            v,t=map(int,input().split(' '))
            #print(t)
            #needtime=0
            #if i==0:

            if t>=0:
                thistime=t+(16200/v)
                if needtime==0:
                    needtime=thistime
                if thistime<needtime:
                    needtime=thistime
            print(math.ceil(needtime))
            #vt.append((v,t))
    else:
        break
```

基本信息

#: 46208112  
题目: 01922  
提交人: lvjinhao  
内存: 3644kB  
时间: 42ms  
语言: Python3  
提交时间: 2024-09-25 18:24:43

©2002-2022 POJ 京ICP备20010980号-1

[English](#) [帮助](#) [关于](#)

## 2. 学习总结和收获

作为几乎零基础的同学，我一直在跟进每日选做，觉得目前题目难度不够高。