

# Assignment #2: 语法练习

Updated 0126 GMT+8 Sep 24, 2024

2024 fall, Compiled by ==金俊毅、物理学院

## 1. 题目

### 263A. Beautiful Matrix

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

代码

```
for i in range(0,5):
    s=input().split()
    for j in range(0,5):
        if s[j]=="1":
            a=abs(i-2)
            b=abs(j-2)
            break
    print(a+b)
```

代码运行截图 == (至少包含有"Accepted") ==

PROBLEMS SUBMIT CODE MY SUBMISSIONS STATUS HACKS ROOM STANDINGS CUSTOM INVOCATION

General

#	Author	Problem	Lang	Verdict	Time	Memory	Sent	Judged		
278408694	Practice: jnullm	263A - 8	Python 3	Accepted	124 ms	16 KB	2024-08-27 18:33:21	2024-08-27 18:33:21	★	Compare

→ Source Copy

```
for i in range(0,5):
    s=input().split()
    for j in range(0,5):
        if s[j]=="1":
            a=abs(i-2)
            b=abs(j-2)
            break
    print(a+b)
```

[Click](#) to see test details

### 1328A. Divisibility Problem

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

代码

```
n=int(input())
ans=[]
for i in range(0,n):
    t=input().split()
    a=int(t[0])
    b=int(t[1])
    if a % b == 0:
        d=a//b
    else:
        d=a//b+1
    ans.append(d*b-a)
for i in range(0,n):
```

```
print(ans[i])
```

代码运行截图 == (至少包含有"Accepted") ==

PROBLEMS SUBMIT CODE MY SUBMISSIONS STATUS HACKS STANDINGS CUSTOM INVOCATION

General

#	Author	Problem	Lang	Verdict	Time	Memory	Sent	Judged		
278531492	Practice: jnullm	<a href="#">1328A</a> - 12	Python 3	Accepted	93 ms	12 KB	2024-08-28 18:36:16	2024-08-28 18:36:16	★	Compare

→ Source Copy

```
n=int(input())
ans=[]
for i in range(0,n):
    t=input().split()
    a=int(t[0])
    b=int(t[1])
    if a % b == 0:
        d=a//b
    else:
        d=a//b+1
    ans.append(d*b-a)
for i in range(0,n):
    print(ans[i])
```

## 427A. Police Recruits

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

代码

```
n=int(input())
event=input().split()
a=0
b=0
for i in event:
    if int(i)>0:
        a+=int(i)
    elif a>0:
        a=a-1
    else:
        b+=1
print(b)
```

代码运行截图 == (AC代码截图, 至少包含有"Accepted") ==

PROBLEMS SUBMIT CODE MY SUBMISSIONS STATUS HACKS ROOM STANDINGS CUSTOM INVOCATION

General

#	Author	Problem	Lang	Verdict	Time	Memory	Sent	Judged		
278744920	Practice: jnullm	<a href="#">427A</a> - 21	Python 3	Accepted	93 ms	7460 KB	2024-08-30 12:58:59	2024-08-30 12:58:59	★	Compare

→ Source Copy

```
n=int(input())
event=input().split()
a=0
b=0
for i in event:
    if int(i)>0:
        a+=int(i)
    elif a>0:
        a=a-1
    else:
        b+=1
print(b)
```

## 02808: 校门外的树

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

## 代码

```
L,M=map(int,input().split())
remain=0
tree=[1 for _ in range(L+1)]
for i in range(M):
    part=list(map(int,input().split()))
    tree=tree[0:part[0]]+[0 for _ in range(part[1]-
part[0]+1)]+tree[part[1]+1:L+1]
for i in tree:
    if i==1:
        remain+=1
print(remain)
```

代码运行截图 == (AC代码截图, 至少包含有"Accepted") ==

#46032935提交状态

[查看](#) [提交](#) [统计](#) [提问](#)

状态: **Accepted**

源代码

```
L,M=map(int,input().split())
remain=0
tree=[1 for _ in range(L+1)]
for i in range(M):
    part=list(map(int,input().split()))
    tree=tree[0:part[0]]+[0 for _ in range(part[1]-part[0]+1)]+tree[part[1]+1:L+1]
for i in tree:
    if i==1:
        remain+=1
print(remain)
```

基本信息

#: 46032935  
题目: 02808  
提交人: jnullm  
内存: 4000kB  
时间: 42ms  
语言: Python3  
提交时间: 2024-09-09 15:26:13

©2002-2022 POJ 京ICP备20010980号-1

[English](#) [帮助](#) [关于](#)

## sy60: 水仙花数II

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

## 代码

```
a,b=map(int,input().split())
flower=[]
for i in range(a,b+1):
    s = i % 10
    p = ((i-s)//10) % 10
    q = (i-s-p*10)//100
    if i == s**3 + p**3 + q**3:
        flower.append(str(i))
if flower != []:
    print(" ".join(flower))
else:
    print("NO")
```

代码运行截图 == (AC代码截图, 至少包含有"Accepted") ==

代码书写



Python ▾

```

1  a,b=map(int,input().split())
2  flower=[]
3  for i in range(a,b+1):
4      s = i % 10
5      p = ((i-s)//10) % 10
6      q = (i-s-p*10)//100
7      if i == s**3 + p**3 + q**3:
8          flower.append(str(i))
9  if flower != []:
10     print(" ".join(flower))
11 else:
12     print("NO")

```

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

## 01922: Ride to School

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

代码

```
import math
while True:
    n=int(input())
    if n == 0:
        break
    else:
        ridder=[list(map(int,input().split())) for _ in range(n)]
        timetable=[]
        for i in ridder:
            if i[1]>=0:
                timetable.append(4.5/i[0]*3600+i[1])
        print(math.ceil(min(timetable)))
```

代码运行截图 == (AC代码截图, 至少包含有"Accepted") ==

#46189190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())
    if n == 0:
        break
    else:
        ridder=[list(map(int,input().split())) for _ in range(n)]
        timetable=[]
        for i in ridder:
            if i[1]>=0:
                timetable.append(4.5/i[0]*3600+i[1])
        print(math.ceil(min(timetable)))
```

基本信息

#: 46189190

题目: 01922

提交人: jnullm

内存: 5996kB

时间: 47ms

语言: Python3

提交时间: 2024-09-24 16:48:25

©2002-2022 POJ 京ICP备20010980号-1

English 帮助 关于

2. 学习总结和收获

每日选做仍然在每天跟着做, 但明显感觉这两天的题变难了, 还是要多学习一些优秀的解题思路