

计概B作业2

263A. Beautiful Matrix

思路：查找1的位置

代码：

```
a = [[] for i in range(5)]
for i in range(5):
    a[i] = input().split()
for i in range(5):
    for j in range(5):
        if int((a[i])[j]) != 0:
            print(int(int(abs(i-2))+int(abs(j-2))))
```

PROBLEMS SUBMIT CODE MY SUBMISSIONS STATUS HACKS ROOM STANDINGS CUSTOM INVOCATION

General

#	Author	Problem	Lang	Verdict	Time	Memory	Sent	Judged		
280133354	Practice: weijialiang	263A - 8	Python 3	Accepted	154 ms	28 KB	2024-09-07 04:30:28	2024-09-07 04:30:28	★	<button>Compare</button>

→ Source Copy

```
a = [[] for i in range(5)]
for i in range(5):
    a[i] = input().split()
for i in range(5):
    for j in range(5):
        if int((a[i])[j]) != 0:
            print(int(int(abs(i-2))+int(abs(j-2))))
```

[Click](#) to see test details

1328A. Divisibility Problem

思路：利用%计算

代码：

```
a = int(input())
b = [[] for i in range(a)]
for i in range(a):
    b[i] = input().split()
for i in range(a):
    if int((b[i])[0]) % int((b[i])[1]) != 0:
        c = int((b[i])[1]) - int((b[i])[0] % int((b[i])[1]))
    else:
        c = 0
    print(int(c))
```

General										
#	Author	Problem	Lang	Verdict	Time	Memory	Sent	Judged		
280137767	Practice: weijialiang	1328A - 12	Python 3	Accepted	93 ms	2548 KB	2024-09-07 06:03:26	2024-09-07 06:03:26		Compare

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```
a = int(input())
b = [[] for i in range(a)]
for i in range(a):
    b[i] = input().split()
for i in range(a):
    if int((b[i])[0]) % int((b[i])[1]) != 0:
        c = int((b[i])[1]) - int((b[i])[0]) % int((b[i])[1])
    else:
        c = 0
    print(int(c))
```

[Click](#) to see test details

427A. Police Recruits

思路：利用if判断何时会有crime go untreated

代码：

```
a = int(input())
b = input().split()
c = d = 0
for i in range(a):
    if c == 0 and int(b[i]) == -1:
        d += 1
    else:
        c += int(b[i])
print(int(d))
```

General										
#	Author	Problem	Lang	Verdict	Time	Memory	Sent	Judged		
280215786	Practice: weijialiang	427A - 21	Python 3	Accepted	108 ms	7920 KB	2024-09-07 18:25:24	2024-09-07 18:25:24		Compare

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```
a = int(input())
b = input().split()
c = d = 0
for i in range(a):
    if c == 0 and int(b[i]) == -1:
        d += 1
    else:
        c += int(b[i])
print(int(d))
```

[Click](#) to see test details

02808: 校门外的树

思路：利用列表赋值和计算某个元素的数量count

代码：

```

a = input().split()
b = [[] for i in range(int(a[1]))]
for i in range(int(a[1])):
    b[i] = input().split()
c = [i for i in range(int(a[0])+1)]
for i in range(int(a[1])):
    for j in range(int(b[i][0]),int(b[i][1])+1):
        c[j] = 'k'
print(len(c)-int(c.count('k')))

```

#46031907提交状态

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状态: **Accepted**

源代码

```

a = input().split()
b = [[] for i in range(int(a[1]))]
for i in range(int(a[1])):
    b[i] = input().split()
c = [i for i in range(int(a[0])+1)]
for i in range(int(a[1])):
    for j in range(int(b[i][0]),int(b[i][1])+1):
        c[j] = 'k'
print(len(c)-int(c.count('k')))

```

基本信息

#: 46031907

题目: 02808

提交人: wjl

内存: 3960kB

时间: 45ms

语言: Python3

提交时间: 2024-09-09 09:43:25

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[English](#) [帮助](#) [关于](#)

sy60: 水仙花数II

思路：利用for循环里面对一个变量进行T or F的控制使其在找不到合适的数时输出NO

代码：

```

a,b = map(int,input().split())
d = []
ans = False
for i in range(a,b+1):
    c = list(map(int,list(str(i))))
    if sum(x**3 for x in c) == i:
        d.append(i)
        ans = True
if ans == False:
    print('NO')
else:
    print(' '.join([str(x) for x in d]))

```

两个正整数 a 、 b ($100 \leq a \leq b \leq 999$)。

输出描述

在一行里输出闭区间 $[a, b]$ 内的所有水仙花数，多个水仙花数按从小到大的顺序输出，中间用空格隔开，行末不允许有多余的空格。如果区间内没有水仙花数，那么输出NO。

样例1

输入 复制

360 380

输出 复制

370 371

样例2

输入 复制

350 360

输出 复制

NO

```
1 a,b = map(int,input().split())
2 d = []
3 ans = False
4 for i in range(a,b+1):
5     c = list(map(int,list(str(i))))
6     if sum(x**3 for x in c) == i:
7         d.append(i)
8         ans = True
9 if ans == False:
10     print('NO')
11 else:
12     print(' '.join([str(x) for x in d]))
```

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

思路：无论快慢，出发时间小于零的一定不行，因为要不然赶不上，要不然太慢了

代码：

```
while True:
    ans = 1000000
    a = int(input())
    if a == 0:
        break
    for _ in range(a):
        b,c = map(int,input().split('\t'))
        if c < 0:
            continue
        d = c+(4.5/b)*3600
        ans = min(ans,d)
    print(int(-(-ans//1)))
```

状态: **Accepted**

源代码

```
while True:
    ans = 1000000
    a = int(input())
    if a == 0:
        break
    for _ in range(a):
        b, c = map(int, input().split('\t'))
        if c < 0:
            continue
        d = c + (4.5/b) * 3600
        ans = min(ans, d)
    print(int(-(-ans//1)))
```

基本信息

#: 46214963

题目: 01922

提交人: wjl

内存: 3596kB

时间: 49ms

语言: Python3

提交时间: 2024-09-26 07:21:14

完成了算法基础与在线实践前三章的所有例题和习题，后面准备按照授课计划推进。另外，感觉每日选做的题总觉得越来越简单，可能为数不多的难题之前都在算法基础与在线实践里做过，复制粘贴即可。