

Assignment #2: 语法练习

Updated 0126 GMT+8 Sep 24, 2024

2024 fall, Compiled by ==李振硕、院系==信息管理系

1. 题目

263A. Beautiful Matrix

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

思路：简单

花费时间：186ms

代码

```
```python
#
```
```

代码运行截图 ==（至少包含有"Accepted"）==

By sot10130, contest: Codeforces Round 161 (Div. 2), problem: (A) Beautiful Matrix, [Accepted](#), <#>, [Copy](#)

```
data=[]
for i in range(5):
    numbers=list(map(int,input().split()))
    if 1 in numbers:
        short_line=abs(i-2)
        for i1 in range(5):
            if numbers[i1]==1:
                short_m=abs(i1-2)
print(short_line+short_m)
```

1328A. Divisibility Problem

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

思路：简单

花费时间：109ms

代码

```
```python
#
```
```

代码运行截图 ==（至少包含有"Accepted"）==

By sot10130, contest: Codeforces Round 629 (Div. 3), problem: (A) Divisibility Problem, [Accepted](#), <#>, [Copy](#)

```
n=int(input())
for i in range(n):
    a,b=map(int,input().split())
    m=a
    if a%b!=0:
        if a>b:
            t=b-a%b
            print(t)
        else:
            t=b-a
            print(t)
    else:
        print(0)
```

427A. Police Recruits

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

思路：简单

花费时间：109ms

代码

```
```python
#
```
```

代码运行截图 ==（AC代码截图，至少包含有"Accepted"）==

By sot10130, contest: Codeforces Round 244 (Div. 2), problem: (A) Police Recruits, [Accepted](#), <#>, [Copy](#)

```
n=int(input())
crime=0
police=0
num_c=list(map(int,input().split()))
for i in range(n):
    if num_c[i]+police<0:
        crime+=1
    elif num_c[i]>=0:
        police+=num_c[i]
    elif num_c[i]<0 and num_c[i]+police>0:
        police=num_c[i]+police
    elif num_c[i]+police==0:
        police=0
print(crime)
```

02808: 校门外的树

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

思路：简单

花费时间：82ms

代码

```
```python
```

```
#
```

```
```
```

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

状态: Accepted

源代码

```
data=[]
length=0
L,M=map(int,input().split())
sum_shu=L+1
for i in range(M):
    x,y=map(int,input().split())
    length+=y-x
    for _ in range(x,y+1):
        data.append(_)
data=sorted(data)
data=list(set(data))
print(sum_shu-len(data))
```

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sy60: 水仙花数II

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

思路：简单

花费时间：0ms??

代码

```
```python
```

```
#
```

```
...
```

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

```

1 a,b=map(int,input().split())
2 data=[]
3 for i in range(a,b+1):
4 i1=int(i//100)
5 i2=int((i%100)//10)
6 i3=int(i%10)
7 if i1**3+i2**3+i3**3==i:
8 data.append(i)
9 if len(data)==0:
10 print('NO')
11 else:
12 print(' '.join(map(str,data)))

```

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/>

思路：通过计算到达目的地之前，过人的速度，得出最终到达时间。

##### 代码

```python

#

```

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

状态: Accepted

源代码

```
import math

def charley_arrival_time(riders):
 distance = 4.5
 charley_time = float('inf')

 for speed, set_off_time in riders:
 if set_off_time >= 0:
 rider_time = set_off_time + (distance / (speed / 3600))
 if rider_time < charley_time:
 charley_time = rider_time

 return math.ceil(charley_time)

def main():
 while True:
 N = int(input().strip())
 if N == 0:
 break

 riders = []
 for _ in range(N):
 line = input().strip().split()
 speed = int(line[0])
 set_off_time = int(line[1])
 riders.append((speed, set_off_time))

 result = charley_arrival_time(riders)
 print(result)

if __name__ == "__main__":
 main()
```

基本信息

#: 46293475

题目: 01922

提交人: wdlg

内存: 4532kB

时间: 43ms

语言: Python3

提交时间: 2024-10-02 18:14:35

2.学习总结和收获:

感觉对我的python基础有了很大的帮助, 包括基本语法和循环文等