

1. 题目

263A. Beautiful Matrix

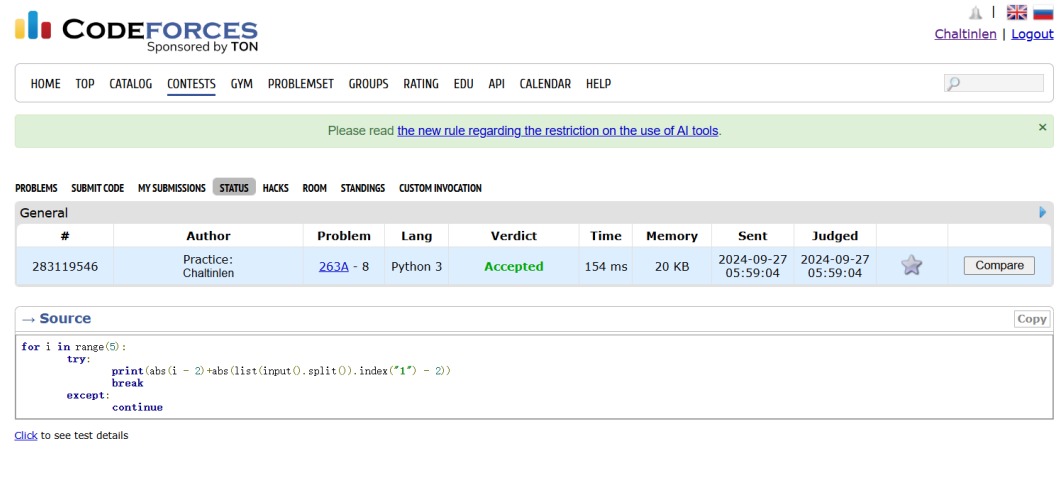
<https://codeforces.com/problemset/problem/263/A>

思路：找出矩阵中1的坐标，计算和中心处的曼哈顿距离即可

代码

```
for i in range(5):
    try:
        print(abs(i - 2)+abs(list(input().split()).index("1") - 2))
        break
    except:
        continue
```

代码运行截图 ==（至少包含有"Accepted"）==



The screenshot shows the Codeforces problem page for 263A. Beautiful Matrix. The page includes the problem statement, a table of submissions, and the source code. The submission table shows a submission with ID 283119546, status 'Accepted', and a time of 154 ms. The source code is a Python script that finds the Manhattan distance of the '1' in the input matrix from the center (2,2).


#	Author	Problem	Lang	Verdict	Time	Memory	Sent	Judged	
283119546	Practice: Chaitinlen	263A - 8	Python 3	Accepted	154 ms	20 KB	2024-09-27 05:59:04	2024-09-27 05:59:04	★ Compare

```
→ Source
for i in range(5):
    try:
        print(abs(i - 2)+abs(list(input().split()).index("1") - 2))
        break
    except:
        continue
```

Click to see test details

Codeforces (c) Copyright 2010-2024 Mike Mirzayanov
The only programming contests Web 2.0 platform
Server time: Sep/28/2024 09:41:32 UTC+8 (k3).
Desktop version, switch to [mobile version](#).
[Privacy Policy](#)

Supported by

 | **ITMO**

1328A. Divisibility Problem


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

思路：用好取余，最后再考虑一下能整除的可能性

代码

```
n = int(input())
for i in range(n):
    a, b = map(int, input().split())
    print((b-a%b)%b)
```

代码运行截图 == （至少包含有"Accepted"） ==



Sponsored by TON

Chaitinien | Logout

HOME TOP CATALOG CONTESTS GYM PROBLEMSET GROUPS RATING EDU API CALENDAR HELP

Please read [the new rule regarding the restriction on the use of AI tools](#)

PROBLEMS SUBMIT CODE MY SUBMISSIONS STATUS HACKS STANDINGS CUSTOM INVOCATION

General

#	Author	Problem	Lang	Verdict	Time	Memory	Sent	Judged		
283119752	Practice: Chaitinien	1328A - 12	Python 3	Accepted	124 ms	32 KB	2024-09-27 06:03:24	2024-09-27 06:03:24	★	Compare

→ Source

```
n = int(input())
for i in range(n):
    a, b = map(int, input().split())
    print((b-a%b)%b)
```

Click to see test details

Codeforces (c) Copyright 2010-2024 Mike Mirzayanov



The only programming contests Web 2.0 platform

Server time: Sep/28/2024 10:08:40 UTC+8 (K3).

Desktop version, switch to [mobile version](#).

[Privacy Policy](#)

Supported by

 | 

427A. Police Recruits

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

思路：不动脑子，怎么说就怎么做，当然数据个数可以选择直接不管

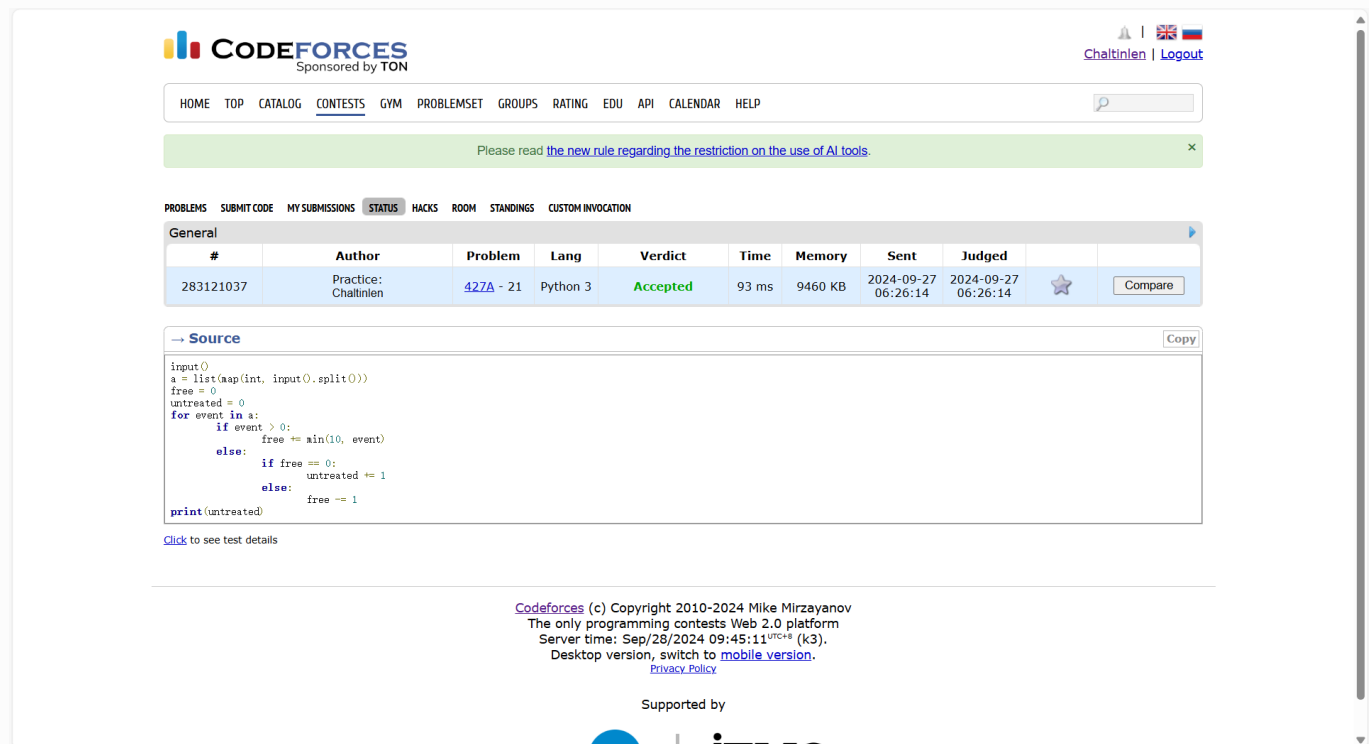
代码

```

input()
a = list(map(int, input().split()))
free = 0
untreated = 0
for event in a:
    if event > 0:
        free += min(10, event)
    else:
        if free == 0:
            untreated += 1
        else:
            free -= 1
print(untreated)

```

代码运行截图 ==（AC代码截图，至少包含有"Accepted"）==



CODEFORCES
Sponsored by TON

HOME TOP CATALOG CONTESTS GYM PROBLEMSET GROUPS RATING EDU API CALENDAR HELP

Please read [the new rule regarding the restriction on the use of AI tools](#).

PROBLEMS SUBMIT CODE MY SUBMISSIONS **STATUS** HACKS ROOM STANDINGS CUSTOM INVOCATION

#	Author	Problem	Lang	Verdict	Time	Memory	Sent	Judged		
283121037	Practice: Chaitinlen	427A - 21	Python 3	Accepted	93 ms	9460 KB	2024-09-27 06:26:14	2024-09-27 06:26:14	★	Compare

→ **Source** Copy

```

input()
a = list(map(int, input().split()))
free = 0
untreated = 0
for event in a:
    if event > 0:
        free += min(10, event)
    else:
        if free == 0:
            untreated += 1
        else:
            free -= 1
print(untreated)

```

[Click to see test details](#)

Codeforces (c) Copyright 2010-2024 Mike Mirzayanov
The only programming contests Web 2.0 platform
Server time: Sep/28/2024 09:45:11 UTC+8 (k3).
Desktop version, switch to [mobile version](#).
[Privacy Policy](#)

Supported by

02808: 校门外的树

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

思路：放弃数学方法，选择计算机模拟，10000个数，可以接受

代码

```
M, L = map(int, input().split())
trees = [True for i in range(M + 1)]
for i in range(L):
    a, b = map(int, input().split())
    for ele in range(a, b + 1):
        trees[ele] = False
print(trees.count(True))
```

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



OpenJudge 题目ID, 标题, 描述 Chaitinlen 信箱 账号

CS101 / 计概2024fall每日选做

题目 排名 状态 提问

#46248843提交状态 查看 提交 统计 提问

状态: Accepted

源代码

```
M, L = map(int, input().split())
trees = [True for i in range(M + 1)]
for i in range(L):
    a, b = map(int, input().split())
    for ele in range(a, b + 1):
        trees[ele] = False
print(trees.count(True))
```

基本信息

- #: 46248843
- 题目: 02808
- 提交人: 颜鼎堃(Chaitinlen)
- 内存: 3628kB
- 时间: 46ms
- 语言: Python3
- 提交时间: 2024-09-28 09:38:46

@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>

思路: 直接验证, 把数字转成字符串再转化回数字。当然, 也可以直接取余, 但还是选择了更直观的字符串方法

代码

```

a, b = map(int, input().split())
have_narcissus = False
for i in range(a, b + 1):
    i1 = int(str(i)[0])
    i2 = int(str(i)[1])
    i3 = int(str(i)[2])
    if i == i1**3 + i2**3 + i3**3:
        if not have_narcissus:
            print(i, end = "")
        else:
            print(f" {i}", end = "")
        have_narcissus = True
if not have_narcissus:
    print("NO")

```

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

The screenshot shows a web-based coding competition interface. On the left is a sidebar with a list of problems, including '水仙花数II' which is selected. The main area displays the problem description: '如果一个三位数n的各位数字的立方和等于n, 那么称n为水仙花数。例如 153 = 1³ + 5³ + 3³, 因此153是水仙花数。给定两个正整数a、b, 输出在闭区间[a, b]内的所有水仙花数。' It also shows the input and output descriptions. On the right, the '代码书写' (Code Writing) tab is active, displaying the Python code that solves the problem. Below the code, the '测试输入' (Test Input) and '历史提交' (History Submissions) tabs are visible. The submission history shows a successful submission at 2024-09-24 15:09:29 with the result '完美通过' (Perfect Pass) in Python.

01922: Ride to School

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

思路：算出所有时间的最小值即可，但要排除掉出发时间为负的

代码

```
from math import ceil
while True:
    n = int(input())
    if n == 0:
        exit()
    time = []
    for i in range(n):
        v, t = map(int, input().split())
        if t < 0:
            continue
        t += 4.5/v * 3600
        time.append(t)
    print(ceil(min(time)))
```

代码运行截图 ==（AC代码截图，至少包含有"Accepted"）==



OpenJudge 题目ID, 标题, 描述 Chaltinlen 信箱 账号

CS101 / 题库 (包括计概、数算题目)

题目 排名 状态 提问

#46248510提交状态 查看 提交 统计 提问

状态: Accepted

源代码

```
from math import ceil
while True:
    n = int(input())
    if n == 0:
        exit()
    time = []
    for i in range(n):
        v, t = map(int, input().split())
        if t < 0:
            continue
        t += 4.5/v * 3600
        time.append(t)
    print(ceil(min(time)))
```

基本信息

#: 46248510
题目: 01922
提交人: 颜鼎堃(Chaltnin)
内存: 3792kB
时间: 42ms
语言: Python3
提交时间: 2024-09-28 09:21:51

©2002-2022 POJ 京ICP备20010980号-1 English 帮助 关于

2. 学习总结和收获

==如果作业题目简单，有否额外练习题目，比如：OJ“计概2024fall每日选做”、CF、LeetCode、洛谷等网站题目。==

最近的每日选做有在跟着做，开始掌握一些做题中的小技巧（尤其是涉及到输出的，比如通过 `".join(list)'` 实现中间带空格的输出格式）。对于基本函数和基本方法的掌握情况有一定的改善。对于题目中的一些细节，以及一些坑点，需要更细致一些。