

1. 题目

02733: 判断闰年

<http://cs101.openjudge.cn/practice/02733/>

思路：能被3200整除的非闰年，能被100整除但是不能被400的整除的也非闰年，余下能被4整除的为闰年，其他为平年

代码

```
year=int(input())
if year%3200==0:
    print('N')
elif year%400!=0 and year%100==0:
    print('N')
elif year%4==0:
    print('Y')
else:
    print('N')
```

代码运行截图（至少包含有"Accepted"）

 **CS101 / 题库（包括计概、数算题目）**

题目 排名 状态 提问

#46040539提交状态

查看 提交 统计 提问

状态: **Accepted**

源代码

```
year=int(input())
if year%3200==0:
    print('N')
elif year%400!=0 and year%100==0:
    print('N')
elif year%4==0:
    print('Y')
else:
    print('N')
```

基本信息

#: 46040539

题目: 02733

提交人: kaiquan05

内存: 3600kB

时间: 21ms

语言: Python3

提交时间: 2024-09-10 15:45:15

©2002-2022 POJ 京ICP备20010980号-1

English 帮助 关于

02750: 鸡兔同笼

<http://cs101.openjudge.cn/practice/02750/>

思路：如果脚的总数能被4整除，那么最少情况即全为兔子，如果不能被4整除但能被2整除，最少情况需至少有一只鸡

代码

```
a=int(input())
if a%4==0:
    print(int(a/4),int(a/2))
elif a%2==0:
    print(int((a+2)/4),int(a/2))
else: print("0 0")
```

代码运行截图（至少包含有"Accepted"）



50A. Domino piling

greedy, math, 800, <http://codeforces.com/problemset/problem/50/A>

思路：观察发现，若M*N大小小于n块dominoes大小，答案为n-1

代码

```
M, N = map(int, input().split())
n=0
result=0
while result!=M*N:
    n += 1
    result=(M*N)%(n*2)

print(n-1)
```

代码运行截图（AC代码截图，至少包含有"Accepted"）

The screenshot shows the Codeforces website interface. At the top, the Codeforces logo is visible, along with navigation links like HOME, TOP, CATALOG, CONTESTS, GYM, etc. The user is logged in as 'kaiquan05'. The main content area displays a submission for problem 50A - 14, solved by 'Practice: kaiquan05' using Python 3. The verdict is 'Accepted'. Below the submission table, the source code is shown, which matches the code provided in the first block. The footer includes copyright information for Codeforces and logos for its sponsors, V and ITMO.

| # | Author | Problem | Lang | Verdict | Time | Memory | Sent | Judged | | |
|-----------|---------------------|----------|----------|----------|--------|--------|---------------------|---------------------|---|---------|
| 280456769 | Practice: kaiquan05 | 50A - 14 | Python 3 | Accepted | 154 ms | 16 KB | 2024-09-09 17:07:08 | 2024-09-09 17:07:08 | ☆ | Compare |

```
M, N = map(int, input().split())
n=0
result=0
while result!=M*N:
    n += 1
    result=(M*N)%(n*2)
print(n-1)
```

Codeforces (c) Copyright 2010-2024 Mike Mirzayanov
The only programming contests Web 2.0 platform
Server time: Sep/11/2024 20:29:40^{UTC+8} (13).
Desktop version, switch to [mobile version](#).
[Privacy Policy](#)

Supported by

V ITMO

1A. Theatre Square

math, 1000, <https://codeforces.com/problemset/problem/1/A>

思路：了解题目，计算行数和列数除以一块flagstones边长，分别向上取整

代码

```
import math

def min_flagstones(n, m, a):
```

```
rows = math.ceil(n / a) #向上取整
cols = math.ceil(m / a)

return rows * cols
```

```
n,m,a=map(int,input().split())
print(min_flagstones(n, m, a))
```

代码运行截图（AC代码截图，至少包含有"Accepted"）

The screenshot shows a Codeforces submission page for problem 112A. The submission is accepted. The code is shown in the 'Source' tab.

Codeforces (c) Copyright 2010-2024 Mike Mirzayanov
The only programming contests Web 2.0 platform
Server time: Sep/11/2024 20:54:44^{UTC+8} (13).
Desktop version, switch to [mobile version](#).
[Privacy Policy](#)

Supported by

ITMO

112A. Petya and Strings

implementation, strings, 1000, <http://codeforces.com/problemset/problem/112/A>

思路：照题目要求完成，全部转换成大/小写进行比较

代码

```
string1 = input().strip()
string2 = input().strip()
```

```

string1_lower = string1.lower()
string2_lower = string2.lower()

if string1_lower < string2_lower:
    print(-1)
elif string1_lower > string2_lower:
    print(1)
else:
    print(0)

```

代码运行截图（AC代码截图，至少包含有"Accepted"）

The screenshot shows a Codeforces submission page. At the top, the Codeforces logo and navigation links are visible. The submission table shows a submission with ID 280667156, author kaiquan05, problem 112A - 11, language Python 3, and verdict Accepted. The source code is displayed below the table, showing a program that compares two strings and prints -1, 1, or 0 based on their lexicographical order.

| # | Author | Problem | Lang | Verdict | Time | Memory | Sent | Judged | | |
|-----------|------------------------|---------------------------|----------|----------|--------|--------|---------------------|---------------------|---|---------|
| 280667156 | Practice: kaiquan05 | 112A - 11 | Python 3 | Accepted | 154 ms | 24 KB | 2024-09-11 02:21:10 | 2024-09-11 02:21:10 | ☆ | Compare |

```

→ Source
string1 = input().strip()
string2 = input().strip()

string1_lower = string1.lower()
string2_lower = string2.lower()

if string1_lower < string2_lower:
    print(-1)
elif string1_lower > string2_lower:
    print(1)
else:
    print(0)

```

Click to see test details

Codeforces (c) Copyright 2010-2024 Mike Mirzayanov
The only programming contests Web 2.0 platform
Server time: Sep/11/2024 20:59:25^{UTC+8} (13).
Desktop version, switch to [mobile version](#).
[Privacy Policy](#)

Supported by

231A. Team

bruteforce, greedy, 800, <http://codeforces.com/problemset/problem/231/A>

思路：读取，计算，总结，反馈

代码

```

n = int(input())
sol = 0

```

```

for i in range(n):
    arr = list(map(int, input().split()))
    count = sum(arr)
    if count >= 2:
        sol += 1

print(sol)

```

代码运行截图（AC代码截图，至少包含有"Accepted"）

The screenshot shows a web browser displaying a Codeforces submission page. The URL is codeforces.com/contest/231/submission/280739786. The page header includes the Codeforces logo, user name 'kaiquan05', and navigation links. The submission table shows a single entry with the following details:

| # | Author | Problem | Lang | Verdict | Time | Memory | Sent | Judged | |
|-----------|---------------------|---------------------------|----------|----------|--------|--------|---------------------|---------------------|-----------|
| 280739786 | Practice: kaiquan05 | 231A - 11 | Python 3 | Accepted | 154 ms | 16 KB | 2024-09-11 16:44:19 | 2024-09-11 16:44:19 | ★ Compare |

Below the table, the 'Source' tab is selected, showing the following Python code:

```

n = int(input())
sol = 0

for i in range(n):
    arr = list(map(int, input().split()))
    count = sum(arr)
    if count >= 2:
        sol += 1

print(sol)

```

At the bottom of the page, there is a footer with copyright information for Codeforces (c) Copyright 2010-2024 Mike Mirzayanov, server time, and a link to the privacy policy. The Windows taskbar is visible at the bottom of the browser window.

2. 学习总结和收获

这几道题其实算是我学Python以来解答的首六道，一开始还不习惯，会先用C语言写一遍，然后转换成Python，但是渐渐地也能把Python语法掌握，希望未来我能将Python用得更顺手！另外，我的思考速度还是有点太慢，太习惯先推演一遍，花了太长时间，检讨后觉得下次可以直接动手写代码试看运行，也是一种推演，会更快！