

1. (6min)

02733: 判断闰年

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

思路：分类讨论

代码：

```
a=int(input())
if a%4!=0:
    print("N")
else:
    if (a%100==0 and a%400!=0) or a%3200==0:
        print("N")
    else:
        print("Y")
```

运行：



OpenJudge 题目ID, 标题, 描述 Torrential_WJP 信箱 账号

CS101 / 题库 (包括计概、数算题目)

题目 排名 状态 提问

#46047807提交状态 查看 提交 统计 提问

状态: Accepted

源代码

```
a=int(input())
if a%4!=0:
    print("N")
else:
    if (a%100==0 and a%400!=0) or a%3200==0:
        print("N")
    else:
        print("Y")
```

基本信息

| | |
|-------|---------------------|
| #: | 46047807 |
| 题目: | 02733 |
| 提交人: | Torrential_WJP |
| 内存: | 3568kB |
| 时间: | 20ms |
| 语言: | Python3 |
| 提交时间: | 2024-09-11 15:32:13 |

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2. (10min)

02750: 鸡兔同笼

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

思路：全是鸡情况下动物最多，兔子尽量多的情况下动物最少。注意要讨论脚数为奇数的情况。

代码：

```

a=int(input())
import math
if a%2!=0:
    print("0 0")
else:
    b=math.ceil(a/4)
    c=a//2
    print(b,c)

```

运行:

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状态: Accepted

源代码

```

a=int(input())
import math
if a%2!=0:
    print("0 0")
else:
    b=math.ceil(a/4)
    c=a//2
    print(b,c)

```

基本信息
: 46047960
题目: 02750
提交人: Torrential_WJP
内存: 3624kB
时间: 23ms
语言: Python3
提交时间: 2024-09-11 15:42:44

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3. (5min)

50A. Domino piling

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

思路: m, n 中只要有一个是偶数就可以铺满, 全是奇数则剩一格铺不了

代码:

```

m,n=input().split(" ")
m=int(m)
n=int(n)
print(m*n//2)

```

运行:

Contest status

| # | When | Who | Problem | Lang | Verdict | Time | Memory |
|---------------------------|------------------------|----------------|--|----------|----------|--------|--------|
| 280700818 | Sep/11/2024 16:08UTC+8 | Torrential_WJP | 231A - Team | Python 3 | Accepted | 154 ms | 0 KB |
| 280700392 | Sep/11/2024 16:04UTC+8 | Torrential_WJP | 112A - Petya and Strings | Python 3 | Accepted | 154 ms | 0 KB |
| 280699689 | Sep/11/2024 15:57UTC+8 | Torrential_WJP | 1A - Theatre Square | Python 3 | Accepted | 77 ms | 0 KB |
| 280699019 | Sep/11/2024 15:52UTC+8 | Torrential_WJP | 50A - Domino piling | Python 3 | Accepted | 124 ms | 0 KB |

4. (8min)

1A. Theatre Square

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

思路：上取整相乘即可

代码：

```
import math
m,n,a=input().split(" ")
m=int(m)
n=int(n)
a=int(a)
print(math.ceil(m/a)*math.ceil(n/a))
```

运行：

Contest status

| # | When | Who | Problem | Lang | Verdict | Time | Memory |
|---------------------------|------------------------|----------------|--|----------|----------|--------|--------|
| 280700818 | Sep/11/2024 16:08UTC+8 | Torrential_WJP | 231A - Team | Python 3 | Accepted | 154 ms | 0 KB |
| 280700392 | Sep/11/2024 16:04UTC+8 | Torrential_WJP | 112A - Petya and Strings | Python 3 | Accepted | 154 ms | 0 KB |
| 280699689 | Sep/11/2024 15:57UTC+8 | Torrential_WJP | 1A - Theatre Square | Python 3 | Accepted | 77 ms | 0 KB |
| 280699019 | Sep/11/2024 15:52UTC+8 | Torrential_WJP | 50A - Domino piling | Python 3 | Accepted | 124 ms | 0 KB |

5. (8min)

112A. Petya and Strings

implementation,strings,1000,


<http://codeforces.com/problemset/problem/112/A>



思路：先全部转为大写或者小写直接比大小即可

代码：

```
a=input()
a=a.upper()
b=input()
b=b.upper()
if a>b:
    print(1)
elif a<b:
    print(-1)
else:
    print(0)
```

运行：


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|---------------------------|------------------------|----------------|--|----------|----------|--------|--------|
| 280700818 | Sep/11/2024 16:08UTC+8 | Torrential_WJP | 231A - Team | Python 3 | Accepted | 154 ms | 0 KB |
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| 280699689 | Sep/11/2024 15:57UTC+8 | Torrential_WJP | 1A - Theatre Square | Python 3 | Accepted | 77 ms | 0 KB |
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6. (8min)

231A. Team


<http://codeforces.com/problemset/problem/231/A>



思路：直接输入判断即可

代码：

```
n=int(input())
m=0
for i in range(n):
    a,b,c=input().split(" ")
    if int(a)+int(b)+int(c)>=2:
        m+=1
print(m)
```

运行：

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| 280699019 | Sep/11/2024 15:52UTC+8 | Torrential_WJP | 50A - Domino piling | Python 3 | Accepted | 124 ms | 0 KB |

总结和收获：

1. 学习了若干函数的格式规范，以及 math 等模块的使用
2. 通过看学习群和网上搜索学会了 map（）等函数在输入输出中的作用
3. 熟能生巧，要勤加练习，正在慢慢补上之前没做的每日选做。