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:



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:



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

代码:

了

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

运行:





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MAIN ACMSGURU PROBLEMS SUBMIT STATUS STANDINGS CUSTOM TEST							
Contest status <u>■</u>							
#	When	Who	Problem	Lang	Verdict	Time	Memory
280700818	Sep/11/2024 16:08 ^{UTC+8}	Torrential_WJP	<u>231A - Team</u>	Python 3	Accepted	154 ms	0 KB
280700392	Sep/11/2024 16:04 ^{UTC+8}	Torrential_WJP	112A - Petya and Strings	Python 3	Accepted	154 ms	0 KB
280699689	Sep/11/2024 15:57 ^{UTC+8}	Torrential_WJP	1A - Theatre Square	Python 3	Accepted	77 ms	0 KB
280699019	Sep/11/2024 15:52 ^{UTC+8}	Torrential_WJP	50A - Domino piling	Python 3	Accepted	124 ms	0 KB

4. (8min)

1A. Theatre Square

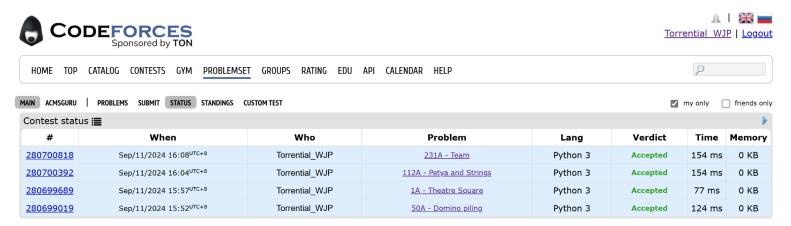
math, 1000, https://codeforces.com/problemset/problem/1/A

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:



5. (8min)

112A. Petya and Strings

implementation, strings, 1000,

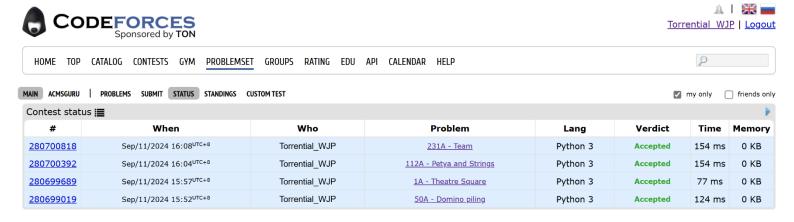
http://codeforces.com/problemset/problem/112/A

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)</pre>
```

运行:



6. (8min)

231A. Team

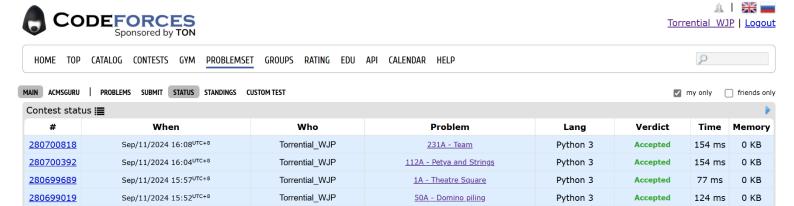
http://codeforces.com/problemset/problem/231/A

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:



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。