

02733: 判断闰年

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

思路:

代码

```
a=int(input())
```

```
if a%4==0:
```

```
    if a%100==0 and a%400!=0 or a%3200==0:
```

```
        print("N")
```

```
    else:
```

```
        print("Y")
```

```
else:
```

```
    print("N")
```

#46043676提交状态

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状态: **Accepted**

源代码

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

基本信息

#: 46043676
题目: 02733
提交人: xzx
内存: 3592kB
时间: 20ms
语言: Python3
提交时间: 2024-09-10 21:15:14

02750: 鸡兔同笼

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

思路:

代码

```
a=int(input())
```

```
if a%4==0:
```

```
    print(int(a/4),int(a/2))
```

```
elif a%4==2:
```

```
    print(int((a-2)/4+1),int(a/2))
```

```
else:
```

```
    print(0,0)
```

#46043807提交状态

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状态: **Accepted**

源代码

```
a=int(input())
if a%4==0:
    print(int(a/4),int(a/2))
elif a%4==2:
    print(int((a-2)/4+1),int(a/2))
else:
    print(0,0)
```

基本信息

#: 46043807
题目: 02750
提交人: xzx
内存: 3592kB
时间: 20ms
语言: Python3
提交时间: 2024-09-10 21:26:37

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50A. Domino piling

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

思路:

代码

```
a=list(map(int,input().split()))
```

```
m=a[0]
```

```
n=a[1]
```

if $m\%2==1$ and $n\%2==1$:

```
p=(m*n-1)/2
```

else:

```
p=m*n/2
```

```
print(int(p))
```

The screenshot shows a web browser window with the URL `codeforces.com/problemset/status?my=on`. The page displays the Codeforces logo and navigation links. A yellow banner at the top states: "★ Rating changes for last rounds are temporarily rolled back. They will be returned soon." Below this, the "STATUS" tab is selected, showing a table of contest submissions. The table has columns: #, When, Who, Problem, Lang, Verdict, Time, and Memory. A single submission is listed with ID 280586972, submitted on Sep/10/2024 at 22:08 UTC+8 by user xzxzxzx, for problem 50A - Domino piling, using Python 3, with a verdict of Accepted, a time of 154 ms, and 0 KB of memory. Below the table, there is a "Sort by:" section with radio buttons for Default order, Submission time (selected), Judging Time, Solution Size, and Execution Time.

#	When	Who	Problem	Lang	Verdict	Time	Memory
280586972	Sep/10/2024 22:08 UTC+8	xzxzxzx	50A - Domino piling	Python 3	Accepted	154 ms	0 KB

Sort by: ☐ Default order ☒ Submission time ☐ Judging Time ☐ Solution Size ☐ Execution Time

1A. Theatre Square

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

思路:

代码

```
s=list(map(int,input().split()))
```

```
m=s[0]
```

```
n=s[1]
```


```
a=s[2]
```

```
import math
```

```
p=math.ceil(m/a)
```



```
q=math.ceil(n/a)
```


```
print(int(p*q))
```




10:17 

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Contest status  

#	When	Who	Problem	Lang	Verdict	Time	Memory
280588033	Sep/10/2024 22:16 ^{UTC+8}	xzxxzx	1A - Theatre Square	Python 3	Accepted	77 ms	0 KB

112A. Petya and Strings

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

思路:

代码

```
a=input()
```

```

b=input()

n=len(a)

for i in range(0,n):

    if 'A'<=a[i]<='Z':

        a=a[0:i]+chr(ord(a[i])+32)+a[i+1:n]

    if 'A'<=b[i]<='Z':

        b=b[0:i]+chr(ord(b[i])+32)+b[i+1:n]

j=0

while j<n and a[j]==b[j]:

    j+=1

if j==n:

    print(0)

elif a[j]>b[j]:

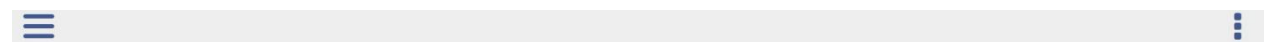
    print(1)

else:

    print(-1)

#


```



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Contest status 

#	When	Who	Problem	Lang	Verdict	Time	Memory
280678493	Sep/11/2024 11:41 ^{UTC+8}	xzxxzx	112A - Petya and Strings	Python 3	Accepted	154 ms	0 KB

231A. Team

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

思路:

代码

```
n=int(input())
```

```
l=[]
```

```
for i in range(n):
```

```
    a=list(map(int,input().split()))
```

```
    s=0
```

```
    for j in range(3):
```

```
        s+=a[j]
```

```
    l.append(s)
```

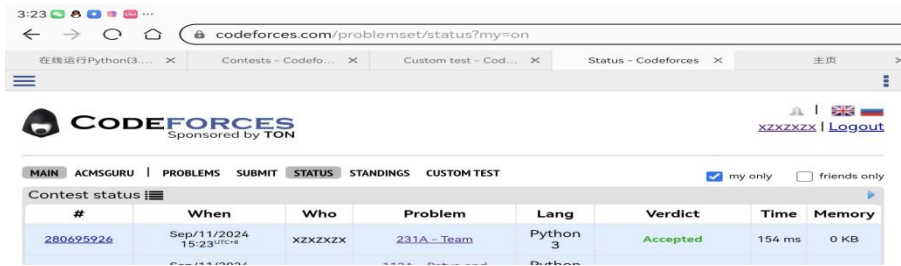
```
ct=0
```

```
for k in l:
```

```
    if k>=2:
```

```
        ct+=1
```

```
print(ct)
```



2. 学习总结和收获

先前有一定基础，通过一周的代码练习找回来些许手感，也在与同学的交流中学到了新的知识（如如何读入未知行数的变量）。在不停打字下，敲代码的速度快了很多，感觉再练练可以试试盲打。

==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。

额外练习:

03143:验证“歌德巴赫猜想”

```
def ss(x):
```

```
    for i in range(2,int(x**0.5)+1):
```

```
        if x%i==0:
```

```
            return False
```

```
    return True
```

```
n=int(input())
```

```
if n<6 or n%2==1:
```

```
    print("Error!")
```

```
else:
```

```
    for j in range(3,int(n/2)+1):
```

```
        if ss(j) and ss(n-j):
```

```
            print(str(n)+"="+str(j)+" "+str(n-j))
```

23564:数论

```
def ss(x):

    if x==2:

        return True

    for i in range(2,int(x**0.5)+1):

        if x%i==0:

            return False

    return True

dic={}

n=int(input())

i=1

while not ss(n):

    i+=1

    if n%i==0 and ss(i):

        if i in dic:

            dic[i]+=1

        else:

            dic[i]=1

        n=n/i

        i=1

    if n in dic:

        dic[n]+=1

    else:
```



```

        dic[n]=1

    flg=True

    s=0

    for j in dic:

        if dic[j]>=2:

            flg=False

            break

        s+=dic[j]

    if flg:

        if s%2==0 or n==1:

            print(1)

        else:

            print(-1)

    else:

        print(0)

```

01003:Hangover

```

n=float(input())

while n!=0.00:

    ct=1

    i=2

    while n>1/i:

        n-=1/i

```

```
i+=1

ct+=1

print(ct,"card(s)")

n=float(input())
```

19944:这一天星期几 v0.3(math)

```
n=int(input())

dic={'0':'Sunday','1':'Monday','2':'Tuesday','3':'Wednesday','4':'Thursday','5':'Friday','6':
'Saturday'}

for i in range(n):

    l=input()

    cy=int(l[:4])

    m=int(l[4:6])

    d=int(l[6:])

    if m==1 or m==2:

        m+=12

        cy-=1

    c=int(str(cy)[2:])

    y=int(str(cy)[2:])

    w=(y+int(y/4)+int(c/4)-2*c+int(2.6*(m+1))+d-1)%7

    print(dic[str(w)])
```

18223:24 点

```
n=int(input())

for i in range(n):

    l=list(map(int,input().split()))

    a=l[0]

    b=l[1]

    c=l[2]

    d=l[3]

    q=[]

    q.append(a+b+c+d)

    q.append(abs(a+b+c-d))

    q.append(abs(a+b-c+d))

    q.append(abs(a-b+c+d))

    q.append(abs(-a+b+c+d))

    q.append(abs(a+b-c-d))

    q.append(abs(a-b+c-d))

    q.append(abs(-a+b+c-d))

    q.append(abs(a-b-c+d))

    if 24 in q:

        print('YES')

    else:

        print('NO')
```

02808:校门外的树

```
l=list(map(int,input().split()))

lon=l[0]+1

n=l[1]

li=[0]*lon

for i in range(n):

    l=list(map(int,input().split()))

    st=l[0]

    ed=l[1]

    for j in range(st-1,ed):

        if li[j]==0:

            li[j]=1

ct=0

for k in range(lon):

    if li[k]==0:

        ct+=1

print(ct)
```

21532:数学密码

```
n=int(input())

for i in range(6,n+1):

    if n%i==0:
```

```
print(int(n/i))
```

```
break
```

02701:与 7 无关的数

```
n=int(input())
```

```
s=0
```

```
for i in range(1,n+1):
```

```
    if '7' not in str(i) and i%7!=0:
```

```
        s+=i**2
```

```
print(s)
```

19949:提取实体 v0.3 (string)

```
n=int(input())
```

```
ct=0
```

```
for i in range(n):
```

```
    l=input().split()
```

```
    for j in range(len(l)):
```

```
        if '#' in l[j]:
```

```
            if j==0:
```

```
                ct+=1
```

```
            elif '#' not in l[j-1]:
```

```
                ct+=1
```

```
print(ct)
```

12556:编码字符串(string)

```
l=input()
```

```
for i in range(len(l)):
```

```
    if 'A'<=l[i]<='Z':
```

```
        l=[:i]+chr(ord(l[i])+32)+l[i+1:]
```

```
st=ed=0
```

```
s=""
```

```
while ed<len(l):
```

```
    while ed<len(l) and l[ed]==l[st]:
```

```
        ed+=1
```

```
    s+='('+l[st]+' '+str(ed-st)+')
```

```
    st=ed
```

```
print(s)
```

03248:最大公约数

```
while True:
```

```
    try:
```

```
        n=input()
```

```
        l=list(map(int,n.split()))
```

```
        a=l[0]
```

```

b=l[1]

if a<b:

    a,b=b,a

while b!=0:

    a=a%b

    if a<b:

        a,b=b,a

print(a)

except EOFError:

    break

```

02689:大小写字母互换

```

n=input()

for i in range(len(n)):

    if 'a'<=n[i]<='z':

        n=n[:i]+chr(ord(n[i])-32)+n[i+1:]

    elif 'A'<=n[i]<='Z':

        n=n[:i]+chr(ord(n[i])+32)+n[i+1:]

print(n)

```

```

n=list(map(int,input().split()))

```

```

a=[]

```

```

for i in range(n[0]):

    a.append([0]*n[1])

    s=list(map(int,input().split()))

    for j in range(n[1]):

        a[i][j]=s[j]

n=list(map(int,input().split()))

b=[]

for i in range(n[0]):

    b.append([0]*n[1])

    s=list(map(int,input().split()))

    for j in range(n[1]):

        b[i][j]=s[j]

n=list(map(int,input().split()))

c=[]

for i in range(n[0]):

    c.append([0]*n[1])

    s=list(map(int,input().split()))

    for j in range(n[1]):

        c[i][j]=s[j]

m=[]

if len(a[0])==len(b) and len(a)==len(c) and len(b[0])==len(c[0]):

    for i in range(len(a)):

```



```
    for j in range(len(b[0])):

        s=0

        for k in range(len(a[0])):

            s+=a[i][k]*b[k][j]

        c[i][j]+=s

    for i in range(len(c)):

        s=""

        for j in range(len(c[0])):

            s+=str(c[i][j])+' '

        print(s[:-1])

    else:

        print('Error!')
```