URI ONLINE JUDGE SOLUTION - BEGINNER : Problem-1000 to 1074

In [ ]:
```
'''

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'''
```

In [1]:
```
# Probelm no: 1000
```

In [2]:
```
print('Hello World!')
```

```
Hello World!
```

In [1]:
```
# Probelm no: 1001
```

In [2]:
```
A = int(input())
B = int(input())

X = A + B

print("X = %i" %X)
```

```
34
3
X = 37
```

In [3]:
```
#Problem no: 1002
```

In [4]:
```
pi = 3.14159
R = float(input())

A = pi*R*R

print('A=%.4f'%A)
```

```
3
A=28.2743
```

In [5]:
```
#Problem no: 1003
```

In [6]:
```
A = int(input())
B = int(input())
SOMA = A + B
print("SOMA = %i" %SOMA)
```

```
3
2
SOMA = 5
```

In [7]:
```
#Problem no: 1004
```

In [1]:
```
A = int(input())
B = int(input())
PROD = A * B
print('PROD = %i'%PROD)
```

```
4
5
PROD = 20
```

In [ ]:
```
#Problem no: 1005
```

In [2]:
```
#Average = {(A*w1)  + (B*w2)} / (w1 + w2)
A = float(input())
B = float(input())
A = A * 3.5
B = B * 7.5
C = (3.5 + 7.5)
MEDIA = (A + B) / C
print('MEDIA = %.5f'%MEDIA)
```

```
5.0
7.1
MEDIA = 6.43182
```

In [ ]:
```
#Problem no: 1006
```

In [3]:
```
A = float(input())
B = float(input())
C = float(input())
A = A * 2
B = B * 3
C = C * 5
D = (2 + 3 + 5)
MEDIA = (A + B + C) / D
print('MEDIA = %.1f'%MEDIA)
```

```
5.0
6.0
7.0
MEDIA = 6.3
```

In [ ]:
```
#Problem no: 1007
```

In [6]:
```
A = int(input())
B = int(input())
C = int(input())
D = int(input())
DIFERENCA = (A * B - C * D)
print('DIFERENCA = %i'%DIFERENCA)
```

```
4
5
3
2
DIFERENCA = 14
```

In [ ]:
```
#Problem no: 1008
```

In [7]:
```
A = int(input())
B = int(input())
C = float(input())
salary = B * C
print('NUMBER = %i'%A)
print('SALARY = U$ %.2f'%salary)
```

```
12
500
23.00
NUMBER = 12
SALARY = U$ 11500.00
```

In [8]:
```
#Problem no: 1009
```

In [9]:
```
A = input()
B = float(input())
C = float(input())

TOTAL = B + C * (15/100)
print('TOTAL = R$ %.2f'%TOTAL)
```

```
Hridoy
10.0
45.0
TOTAL = R$ 16.75
```

In [10]:
```
#Problem no: 1010
```

In [11]:
```
#Product_Cost = (Quantity1 * Product1) + (Quantity2 * Product2)
A1, Q1, P1 = input().split()
A2, Q2, P2 = input().split()

A1 = int(A1)
Q1 = int(Q1)
P1 = float(P1)

A2 = int(A2)
Q2 = int(Q2)
P2 = float(P2)

VALOR_A_PAGAR = (Q1 * P1) + (Q2 * P2)

print('VALOR A PAGAR: R$ %.2f'%VALOR_A_PAGAR)
```

```
3 5 56.0
34 5 345.0
VALOR A PAGAR: R$ 2005.00
```

In [12]:
```
#Problem no: 1011
```

In [13]:
```
R = float(input())
PI = 3.14159

VOLUME = (4.0 / 3) * PI * R * R * R

print('VOLUME = %.3f'%VOLUME)
```

```
3
VOLUME = 113.097
```

In [14]:
```
#Problem no: 1012
```

In [17]:
```
#Tribuj = 1/2 * vumi(base) * ucchota(height)
#Britto = pi * radius * radius
#Trapizium = 1/2 * Vumir Jogfol (Base add) * ucchota(height)
#Borgo = 2 bahur(side) gunfol
#Ayoto = Biporit bahur gunfol

A, B, C = input().split()

A = float(A)
B = float(B)
C = float(C)

pi = 3.14159

tribuj = (1 / 2) * A * C
britto = pi * C * C
trapizium = (1 / 2) * (A + B) * C
borgo = B * B
ayoto = A * B

print("TRIANGULO: %.3f"%tribuj)
print("CIRCULO: %.3f"%britto)
print("TRAPEZIO: %.3f"%trapizium)
print("QUADRADO: %.3f"%borgo)
print("RETANGULO: %.3f"%ayoto)
```

```
5 6 8
TRIANGULO: 20.000
CIRCULO: 201.062
TRAPEZIO: 44.000
QUADRADO: 36.000
RETANGULO: 30.000
```

In [18]:
```
#Problem no: 1013
```

In [19]:
```
#Greatest = {a + b + abs (a-b)} / 2

A, B, C = input().split()

A = int(A)
B = int(B)
C = int(C)

MAIOR = (A + B +abs(A - B))/2
MAIOR = int(MAIOR)
RESULT = (MAIOR + C + abs(MAIOR- C))/2

print('%i eh o maior'%RESULT)
```

```
4 5 7
7 eh o maior
```

In [20]:
```
#Problem no: 1014
```

In [21]:
```
X = int(input())
Y = float(input())

avg = X / Y

print("%.3f km/l"%avg)
```

```
5
7.9
0.633 km/l
```

In [22]:
```
# Problem no: 1015
```

In [23]:
```
x1, y1 = input().split()
x2, y2 = input().split()

x1 = float(x1)
y1 = float(y1)

x2 = float(x2)
y2 = float(y2)

A = (x2 - x1) * (x2 - x1)
B = (y2 - y1) * (y2 - y1)

Distance = A + B

Result = Distance ** 0.5

print("%.4f"%Result)
```

```
1.0 7.0
5.0 9.0
4.4721
```

In [24]:
```
#Problem no: 1016
```

In [25]:
```
A = int(input())
distance = A * 2

print("%i minutos"%distance)
```

```
30
60 minutos
```

In [26]:
```
#Problem no: 1017
```

In [27]:
```
A = int(input())
B = int(input())

Result = (A * B) / 12

print("%.3f"%Result)
```

```
10
85
70.833
```

In [28]:
```
#Problem no: 1018
```

In [29]:
```
N = int(input())

if N>0 and N<1000000:
  N100 = N / 100
  B = N % 100

  N50 = B / 50
  B %=50

  N20 = B / 20
  B %=20

  N10 = B / 10
  B %=10

  N5 = B / 5
  B %=5

  N2 = B / 2
  B %=2

  N1 = B / 1
  B %=1

  print(N)
  print("%i nota(s) de R$ 100,00"%N100)
  print("%i nota(s) de R$ 50,00"%N50)
  print("%i nota(s) de R$ 20,00"%N20)
  print("%i nota(s) de R$ 10,00"%N10)
  print("%i nota(s) de R$ 5,00"%N5)
  print("%i nota(s) de R$ 2,00"%N2)
  print("%i nota(s) de R$ 1,00"%N1)
```

```
576
576
5 nota(s) de R$ 100,00
1 nota(s) de R$ 50,00
1 nota(s) de R$ 20,00
0 nota(s) de R$ 10,00
1 nota(s) de R$ 5,00
0 nota(s) de R$ 2,00
1 nota(s) de R$ 1,00
```

In [30]:
```
#Problem no: 1019
```

In [45]:
```
N = int(input())

Gonta = N // 3600
Extra = N % 3600

Minute = Extra // 60
Extra %= 60

Second = Extra // 1

print(Gonta,Minute,Second,sep=':') # sep represents G:M:S
#print('{}:{}:{}'.format(Gonta,Minute,Second))
```

```
140153
38:55:53
```

In [33]:
```
#Problem no: 1020
```

In [34]:
```
A = int(input())

Year = A // 365 # // returns integer value
R = A % 365

Month = R // 30
R %= 30

Day = R // 1

print("%i ano(s)"%Year)
print("%i mes(es)"%Month)
print("%i dia(s)"%Day)
```

```
400
1 ano(s)
1 mes(es)
5 dia(s)
```

In [35]:
```
#Problem no: 1021
```

In [19]:

```
A=float(input())
N=A

a=N/100
b=N%100
c=b/50
d=b%50
e=d/20
f=d%20
g=f/10
h=f%10
i=h/5
j=h%5
k=j/2
l=j%2

E=A*100
B=(int(E))
m=B%100
n=m/50
o=m%50
p=o/25
q=o%25
r=q/10
s=q%10
t=s/5
u=s%5

print("NOTAS:")
print("{} nota(s) de R$ 100.00".format(int(a)))
print("{} nota(s) de R$ 50.00".format(int(c)))
print("{} nota(s) de R$ 20.00".format(int(e)))
print("{} nota(s) de R$ 10.00".format(int(g)))
print("{} nota(s) de R$ 5.00".format(int(i)))
print("{} nota(s) de R$ 2.00".format(int(k)))
print("MOEDAS:")
print("{} moeda(s) de R$ 1.00".format(int(l)))
print("{} moeda(s) de R$ 0.50".format(int(n)))
print("{} moeda(s) de R$ 0.25".format(int(p)))
print("{} moeda(s) de R$ 0.10".format(int(r)))
print("{} moeda(s) de R$ 0.05".format(int(t)))
print("{} moeda(s) de R$ 0.01".format(int(u)))
```

```
576.73
NOTAS:
5 nota(s) de R$ 100.00
1 nota(s) de R$ 50.00
1 nota(s) de R$ 20.00
0 nota(s) de R$ 10.00
1 nota(s) de R$ 5.00
0 nota(s) de R$ 2.00
MOEDAS:
1 moeda(s) de R$ 1.00
1 moeda(s) de R$ 0.50
0 moeda(s) de R$ 0.25
2 moeda(s) de R$ 0.10
```

```
0 moeda(s) de R$ 0.05
3 moeda(s) de R$ 0.01
```

In [1]:
```python
#Problem no: 1035
```

In [28]:
```python
A, B, C, D = input().split()

A = int(A)
B = int(B)
C = int(C)
D = int(D)

c1 = B>C and D>A
c2 = C+D > A+B
c3 = C>0 and D>0
c4 = A%2

if c1 and c2 and c3 and c4 == 0:
    print("Valores aceitos")
else:
    print("Valores nao aceitos")
```

```
2 3 2 6
Valores aceitos
```

In [8]:
```python
#Problem no: 1036
```

In [11]:
```python
A, B, C = input().split()

A = float(A)
B = float(B)
C = float(C)

divCheck = 2 * A
sqrtCheck = (B*B - 4*A*C)

if divCheck == 0 or sqrtCheck < 0:
    print('Impossivel calcular')

else:
    R1 = (-B + sqrtCheck ** 0.5) / divCheck
    R2 = (-B - sqrtCheck ** 0.5) / divCheck

    print('R1 = %.5f'%R1)
    print('R2 = %.5f'%R2)
```

```
10.3 203.0 5.0
R1 = -0.02466
R2 = -19.68408
```

In [9]:
```python
#Problem no: 1037
```

In [17]:
```
num = float(input())

if num >= 0 and num <= 100:
    if num >= 0 and num <=25:
        print('Intervalo [0,25]')
    elif num > 25 and num <=50:
        print('Intervalo (25,50]')
    elif num > 50 and num <=75:
        print('Intervalo (50,75]')
    elif num > 75 and num <=100:
        print('Intervalo (75,100]')

else:
    print('Fora de intervalo')
```

```
75
Intervalo (50,75]
```

In [20]:
```
#Problem no: 1038
```

In [3]:
```
X,Y =input().split()

X = int(X)
Y = int(Y)

if X == 1:
    Total = 4.00 * Y
    print('Total: R$ %.2f'%Total)

elif X == 2:
    Total = 4.50 * Y
    print('Total: R$ %.2f'%Total)

elif X == 3:
    Total = 5.00 * Y
    print('Total: R$ %.2f'%Total)

elif X == 4:
    Total = 2.00 * Y
    print('Total: R$ %.2f'%Total)

elif X == 5:
    Total = 1.50 * Y
    print('Total: R$ %.2f'%Total)
```

```
4 3
Total: R$ 6.00
```

In [26]:
```
#Problem no: 1040
```

In [6]:
```
N1, N2,  N3, N4 = input().split()

N1 = float(N1)
N2 = float(N2)
N3 = float(N3)
N4 = float(N4)

avg = (N1*2 + N2*3 + N3*4 + N4*1) / (2+3+4+1)
print('Media: %.1f'%avg)

if avg >= 7:
    print('Aluno aprovado.')

elif avg < 5:
    print('Aluno reprovado.')

elif avg >= 5.0 and avg <= 6.9:
    print('Aluno em exame.')

    N5 = float(input())
    print('Nota do exame: %.1f'%N5)

    favg = (avg+N5) / 2

    if favg >= 5:
        print('Aluno aprovado.')
        print('Media final: %.1f'%favg)

    else:
        print('Aluno reprovado.')
        print('Media final: %.1f'%favg)
```

```
2 4 7.5 8
Media: 5.4
Aluno em exame.
6.4
Nota do exame: 6.4
Aluno aprovado.
Media final: 5.9
```

In [8]:
```
#Problem no: 1041
```

In [36]:
```python
#Using Map Function
#x,y=list(map(float,input().split()))

#Without map function
x, y = input().split()

x = float(x)
y = float(y)

if x == 0 and y == 0:
    print("Origem")

elif (x == 0):
    print("Eixo Y")

elif (y == 0):
    print("Eixo X")

elif x > 0 and y > 0:
    print('Q1')

elif x < 0 and y > 0:
    print('Q2')

elif x < 0 and y < 0:
    print('Q3')

elif x > 0 and y < 0:
    print('Q4')
```

```
0 0
Origem
```

In [9]:
```python
#Problem no: 1042
```

In [41]:
```
A, B, C = list(map(int,input().split()))

list_item = [A, B, C]
list_item.sort()

print(list_item[0])
print(list_item[1])
print(list_item[2])

print('')

print(A)
print(B)
print(C)
```

```
7 21 -14
-14
7
21

7
21
-14
```

In [42]:
```
#Problem no: 1043
```

In [46]:
```
#TribujCheck = Jekuno bahur doirgo < opor dui bahur doirger jogfol
#Tribujher poridhi(perimeter) = tin bahur doirger jogfol
#Trapizium er khetrofol = (ucchota * (bumir jogfol)) / 2

a,b,c=list(map(float,input().split()))
if(a<b+c and b < a + c and c < a + b):
     print("Perimetro = %0.1f"%(a + b + c))
else:
     print("Area = %0.1f"%((c * (a + b)) / 2))
```

```
6 4 2.1
Perimetro = 12.1
```

In [11]:
```
#Problem no: 1044
```

In [1]:
```
#Multiple check  = 1st digit % 2nd digit == 0 or reverse
a,b=list(map(int,input().split()))
if(b%a==0 or a%b==0):
    print("Sao Multiplos")
else:
    print("Nao sao Multiplos")
```

```
4 24
Sao Multiplos
```

In [12]:
```
#Problem no: 1045
```

In [3]:
```
a,b,c=list(map(float,input().split()))

#Decreasing Order (a > b >c) means 5 7 2 -> 7 5 2

if(a < b):
    temp = a
    a = b
    b = temp
if(b < c):
    temp = b
    b = c
    c = temp
if(a < b):
    temp = a
    a = b
    b = temp
if(a>=(b+c)):
    print("NAO FORMA TRIANGULO")
elif(a*a == (b*b+c*c)):
     print("TRIANGULO RETANGULO")
elif(a * a > (b*b+ c*c)):
    print("TRIANGULO OBTUSANGULO")
elif(a*a<(b*b + c*c)):
    print("TRIANGULO ACUTANGULO")
if(a == b and b == c):
        print("TRIANGULO EQUILATERO")
elif(a == b or b == c):
        print("TRIANGULO ISOSCELES")
```

```
5 7 2
NAO FORMA TRIANGULO
```

In [4]:
```
#Problem no: 1046
```

In [5]:
```
a,b=list(map(int,input().split()))
if(a<b):
    time=b-a
else:
    time=b+24-a
print("O JOGO DUROU {} HORA(S)".format(time))
```

```
8 2
O JOGO DUROU 18 HORA(S)
```

In [6]:
```
#Problem no: 1047
```

In [40]:
```
#Start Time = st, Start minute = sm, End time = et, End minute = em
st,sm,et,em=list(map(int,input().split()))
ft = et - st;
if(ft < 0):
    ft += 24

fm = em - sm

if(fm < 0):
    fm += 60
    ft = ft -1

    #for 10 12 10 11
    if(ft < 0):
        ft += 24

if (et == st and em == sm):
    print("O JOGO DUROU {} HORA(S) E {} MINUTO(S)".format(24,0))
else:
    print("O JOGO DUROU {} HORA(S) E {} MINUTO(S)".format(ft,fm))
```

```
10 12 10 11
O JOGO DUROU 23 HORA(S) E 59 MINUTO(S)
```

In [15]:
```
#Problem no: 1048
```

In [13]:
```
salary = float(input())

if (salary >= 0 and salary <= 400):
    p = 15
    percentage = p / 100
    money_increase = salary * percentage
    new_salary = money_increase + salary
    print("Novo salario: %.2f"%new_salary)
    print("Reajuste ganho: %.2f"%money_increase)
    print("Em percentual: {} {}".format(p,"%"))

elif(salary >= 400.01 and salary <= 800.00):
    p = 12
    percentage = p / 100
    money_increase = salary * percentage
    new_salary = money_increase + salary
    print("Novo salario: %.2f"%new_salary)
    print("Reajuste ganho: %.2f"%money_increase)
    print("Em percentual: {} {}".format(p,"%"))

elif(salary >= 800.01 and salary <= 1200.00):
    p = 10
    percentage = p / 100
    money_increase = salary * percentage
    new_salary = money_increase + salary
    print("Novo salario: %.2f"%new_salary)
    print("Reajuste ganho: %.2f"%money_increase)
    print("Em percentual: {} {}".format(p,"%"))

elif(salary >= 1201.01 and salary <= 2000.00):
    p = 7
    percentage = p / 100
    money_increase = salary * percentage
    new_salary = money_increase + salary
    print("Novo salario: %.2f"%new_salary)
    print("Reajuste ganho: %.2f"%money_increase)
    print("Em percentual: {} {}".format(p,"%"))

elif(salary > 2000):
    p = 4
    percentage = p / 100
    money_increase = salary * percentage
    new_salary = money_increase + salary
    print("Novo salario: %.2f"%new_salary)
    print("Reajuste ganho: %.2f"%money_increase)
    print("Em percentual: {} {}".format(p,"%"))
```

```
800.01
Novo salario: 880.01
Reajuste ganho: 80.00
Em percentual: 10 %
```

In [16]:
```
#Problem no: 1049
```

In [12]:
```
c1=input()
c2=input()
c3=input()
if (c1=="vertebrado"):
    if (c2=="ave"):
        if(c3=="carnivoro"):
            print("aguia")
        elif(c3=="onivoro"):
            print("pomba")
    elif(c2=="mamifero"):
        if(c3=="onivoro"):
            print("homem")
        elif(c3=="herbivoro"):
            print("vaca")
elif(c1=="invertebrado"):
    if(c2=="inseto"):
        if(c3=="hematofago"):
            print("pulga")
        elif(c3=="herbivoro"):
            print("lagarta")
    elif(c2=="anelideo"):
        if(c3=="hematofago"):
            print("sanguessuga")
        elif(c3=="onivoro"):
            print("minhoca")
```

```
vertebrado
mamifero
onivoro
homem
```

In [17]:
```
#Problem no: 1050
```

In [13]:
```
n=int(input())
if(n == 61):
    print("Brasilia")
elif (n == 71):
    print("Salvador")
elif(n == 11):
    print("Sao Paulo")
elif(n == 21):
    print("Rio de Janeiro")
elif(n == 32):
    print("Juiz de Fora")
elif(n == 19):
    print("Campinas")
elif(n == 27):
    print("Vitoria")
elif(n == 31):
    print("Belo Horizonte")
else:
    print("DDD nao cadastrado")
```

```
31
Belo Horizonte
```

In [18]:
```
#Problem no: 1051
```

In [1]:
```
a=float(input())
if(a>=0 and a<=2000):
    print("Isento")
elif(a>=2000.01 and a<=3000):
    a=a-2000
    b= a*.08
    print("R$ %.2f"%b)
elif(a>=3000.01 and a<=4500):
    a=a-3000
    #3000-2000=1000
    b= a*.18 + (1000 * 0.08)
    print("R$ %.2f"%b)
else:
   a=a-4500
   #4500-2000=2500-1000=1500(1000 porjonto 8% er upor 18%)
   b= a*.28 + (1000 * 0.08) + (1500 * 0.18)
   print("R$ %.2f"%b)
```

```
4520
R$ 355.60
```

In [19]:
```
#Problem no: 1052
```

In [16]:
```
n = int(input())
if n==1:
    print('January')
elif n==2:
    print('February')
elif n==3:
    print('March')
elif n==4:
    print('April')
elif n==5:
    print('May')
elif n==6:
    print('June')
elif n==7:
    print('July')
elif n==8:
    print('August')
elif n==9:
    print('September')
elif n==10:
    print('October')
elif n==11:
    print('November')
elif n==12:
    print('December')
```

```
8
August
```

In [20]:
```
#Problem no: 1059
```

In [35]:
```
for num in range(1,101):
    if num%2==0:
        print(num)
```

```
2
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
34
36
38
40
42
44
46
48
50
52
54
56
58
60
62
64
66
68
70
72
74
76
78
80
82
84
86
88
90
92
94
96
98
100
```

In [21]:
```
#Problem no: 1060
```

In [46]:
```
a = float(input())
b = float(input())
c = float(input())
d = float(input())
e = float(input())
f = float(input())

list_item = [a, b, c, d, e, f]

count = 0

for item in list_item:
    if item > 0:
        count+=1
print('%i valores positivos'%count)
```

```
7
-5
6
-3.4
4.6
12
4 valores positivos
```

In [22]:
```
#Problem no: 1061
```

In [7]:
```
dayinput = input().split()
d1 = int(dayinput[1])
h1, m1, s1 = list(map(int,input().split(' : ')))

dayinput = input().split()
d2 = int(dayinput[1])
h2, m2, s2 = list(map(int,input().split(' : ')))

day = d2 - d1

if(day <= 0):
    day = 0

hour = h2 - h1

if (hour < 0):
    hour += 24
    day -= 1

minute = m2 - m1

if (minute < 0):
    minute += 60
    hour -= 1

second = s2 - s1

if (second < 0):
    second += 60
    minute -= 1

print('%i dia(s)'%day)
print('%i hora(s)'%hour)
print('%i minuto(s)'%minute)
print('%i segundo(s)'%second)
```

```
Dia 5
08 : 12 : 23
Dia 9
06 : 13 : 23
3 dia(s)
22 hora(s)
1 minuto(s)
0 segundo(s)
```

In [23]:
```
#Problem no: 1064
```

In [45]:
```
a = float(input())
b = float(input())
c = float(input())
d = float(input())
e = float(input())
f = float(input())

list_item = [a, b, c, d, e, f]

count = 0
avg = 0

for item in list_item:
    if item > 0:
        count+=1
        avg+=item
favg = avg / float(count)
print('%i valores positivos'%count)
print('%.1f'%favg)
```

```
7
-5
6
-3.4
4.6
12
4 valores positivos
7.4
```

In [24]:
```
#Problem no: 1065
```

In [9]:
```
a = int(input())
b = int(input())
c = int(input())
d = int(input())
e = int(input())

list_item = [a, b, c, d, e]

count = 0

for item in list_item:
    if (item%2 == 0):
        count+=1
print('%i valores pares'%count)
```

```
7
-5
6
-4
12
3 valores pares
```

In [25]:
```
#Problem no: 1066
```

In [10]:
```
a = int(input())
b = int(input())
c = int(input())
d = int(input())
e = int(input())

list_item = [a, b, c, d, e]

count1 = 0
count2 = 0
count3 = 0
count4 = 0

for item in list_item:
    if (item%2 == 0):
        count1 += 1
    else:
        count2 += 1

    if (item > 0):
        count3 += 1

    elif (item < 0):
        count4 += 1

print('%i valor(es) par(es)'%count1)
print('%i valor(es) impar(es)'%count2)
print('%i valor(es) positivo(s)'%count3)
print('%i valor(es) negativo(s)'%count4)
```

```
-5
0
-3
-4
12
3 valor(es) par(es)
2 valor(es) impar(es)
1 valor(es) positivo(s)
3 valor(es) negativo(s)
```

In [11]:
```
#Problem no: 1067
```

In [16]:
```
X = int(input())

for item in range(1, X):
    if (item%2 != 0):
        print(item)
if(X%2 != 0):
    print(X)
```

```
9
1
3
5
7
9
```

In [27]:
```
#Problem no: 1070
```

In [17]:
```
X = int(input())

count = 0

while True:
    if(X%2 != 0):
        count += 1
        print(X)
    X += 1
    if(count == 6):
        break
```

```
8
9
11
13
15
17
19
```

In [28]:
```
#Problem no: 1071
```

In [18]:
```
#-5+1 = -4 + 1 = -3
#6

X = int(input())
Y = int(input())
start = min(X,Y)+1 #-5+1 = -4
end = max(X,Y) #6
if start % 2 == 0:
    start += 1 #-4 + 1 = -3

sum = 0
for i in range(start, end, 2):
    sum += i
print(sum)
```

```
6
-5
5
```

In [29]:
```
#Problem no: 1072
```

In [28]:
```
N = int(input())

count1 = 0
count2 = 0

for item in range(N):
    X = int(input())
    if(X >= 10 and X <= 20):
        count1 += 1
    else:
        count2 += 1

print("%d in" %count1)
print("%d out" %count2)
```

```
4
14
123
10
-25
2 in
2 out
```

In [30]:
```
#Problem no: 1073
```

In [39]:
```
N = int(input())

for item in range(1, N):
    if (item%2 == 0):
        result = item ** 2
        print('{}^2 = {}'.format(item, result))

if(N%2 == 0):
    result = N ** 2
    print('{}^2 = {}'.format(N, result))
```

```
6
2^2 = 4
4^2 = 16
6^2 = 36
```

In [41]:
```
#Alternative Solution: 1073

n= int(input())
for i in range(1,n+1):
    if(i%2==0):
        print("{}^{} = {}".format(i,2,pow(i,2)))
```

```
6
2^2 = 4
4^2 = 16
6^2 = 36
```

In [31]:
```
#Problem no: 1074
```

In [44]:
```
N = int(input())

for item in range(N):
    X = int(input())
    if (X == 0):
        print('NULL')

    elif (X > 0):
        if (X%2 == 0):
            print('EVEN POSITIVE')
        else:
            print('ODD POSITIVE')

    elif (X < 0):
        if (X%2 == 0):
            print('EVEN NEGATIVE')
        else:
            print('ODD NEGATIVE')
```

```
4
-5
ODD NEGATIVE
0
NULL
3
ODD POSITIVE
-4
EVEN NEGATIVE
```