a=int(input())

if (a>=0 and a<=100 and a%2==0):

print("True")

else:

print("False")

a=int(input())

if(a==0):

print("C")

else:

print("D")

a=int(input())

b=int(input())

print("The total weight of all these widgets and gizmos is",a\*75+b\*112,"grams.") a=int(input())

b=0.05\*a

c=0.18\*a

d=a+b+c

print(f"The tax is {b:.2f} and the tip is {c:.2f}, making the total {d:.2f}")

a=int(input())

b=int(input())

if(a>=18 and b>40):

print("True")

else:

print("False")

a=int(input())

b=int(input())

c=int(input())

d=int(input())

e=int(input())

if (b%a==0):

print("True",end=" ")

else:

print("False",end=" ")

if (c%a==0):

print("True",end=" ")

else:

print("False",end=" ")

if (d%a==0):

print("True",end=" ")

else:

print("False",end=" ")

if (e%a==0):

print("True",end=" ")

else:

print("False",end=" ")

a=int(input())

b=int(input())

if(a%3==0 & b%2==0):

print("True")

else:

print("False")

a=int(input())

b=(0.04\*a)

c=b+a

d=(0.04\*c)+c

e=(0.04\*d)+d

print(f"Balance as of end of Year 1: ${c:.2f}.")

print(f"Balance as of end of Year 2: ${d:.2f}.")

print(f"Balance as of end of Year 3: ${e:.2f}.")

a=int(input())

s=str(a)

print(int(s[-1]))

a=int(input())

b=bin(a)

k=str(b)

print(k.count('1'))