x=int(input('enter the number of coins:'))

while(x<=1):

print('error')

print('please choose another number:')

x=int(input())

continue

y=int(input('player1 move:'))

while((y==x)or(y<=0)or(x-y<0)):

print('error')

print('please choose another number:')

y=int(input())

continue

x=x-y

while(5==4+1):

z=int(input('player2 move:'))

while((z>2\*y)or(z<=0)or((x-z)<0)):

print('error')

print('please choose another number:')

z=int(input())

continue

if(x-z==0):

print('player2 win')

break

else:

x=x-z

y=int(input('player1 move:'))

while((y>2\*z)or(y<=0)or((x-y)<0)):

print('error')

print('please choose another number:')

y=int(input())

continue

if(x-y==0):

print('player1 win')

break

else:

x=x-y

continue