**CoinsProblem Using Recursion**

def NumberOfCoins(TypesOfCoins, sum):  
 if sum==0:  
 return 0  
 if sum<0:  
 return max(TypesOfCoins)  
 coins=max(TypesOfCoins)  
 for coin in TypesOfCoins:  
 result=NumberOfCoins(TypesOfCoins,sum-coin)  
 if result!=max(TypesOfCoins):  
 coins=min(coins,result + 1)  
 return coins  
TypesOfCoins=list(map(int, input("Enter the types of coins: ").split(',')))  
sum=int(input('Enter the sum value= '))  
print('The total number of coins required are = ',NumberOfCoins(TypesOfCoins,sum))

Graphical user interface, text, application

Description automatically generated