itemQty=int(input())

arr=[]

for x in range(0,itemQty):

arr.append(input().split())

#[Item Number, Item Name, Price, Stock]

itemNum = input()

qty = input()

bool1=any(c.isalpha() for c in str(itemNum))

bool2=any(c.isalpha() for c in str(qty))

if(bool1==False and bool2==False):

if(int(itemNum)<101 or int(itemNum)>199):

print("INVALID INPUT")

else:

itemNum=int(itemNum)-101

try:

if(int(qty)<=int(arr[int(itemNum)][3])):

print(int(qty)\*int(arr[int(itemNum)][2]))

print(int(arr[int(itemNum)][3]) - int(qty))

elif(int(qty)>int(arr[int(itemNum)][3])):

print("NOT ENOUGH STOCK")

except IndexError:

print("INVALID INPUT")

else:

print("INVALID INPUT")