Fractional Knapsack Problem

With python

Code :

```
  def frac(value,weight):
      for i in range(len(value)):
          net1 = value[i]/weight[i]
          for j in range(i+1,len(value)):
              net2 = value[j]/weight[j]
              if(net2>net1):
                  value[i],value[j]=value[j],value[i]
                  weight[i],weight[j]=weight[j],weight[i]
                  net1 = value[i]/weight[i]


  value = list(map(int,input("Enter the values in integer with a space in
between: ").split()))
  weight = list(map(int,input("Enter the weights in integer with a space in
between: ").split()))
  bag = int(input("Enter the size of bag: "))
  frac(value,weight)
  # print(value)
  # print(weight)

  frac(value,weight)
  ans = 0

  for k in range(len(value)):
      if(bag>=weight[k]):
          bag = bag - weight[k]
          ans = ans + (weight[k]*value[k])
      else:
          mark = k
          break

  ans = ans + (value[mark]/weight[mark])*bag

  print("You can carry maximum this ammount of value : ",ans)
```