﻿def sort2(a):

elem\_dict = {}

for i=0 to len(a)-1

if a[i] in elem\_dict:

elem\_dict[a[i]] += 1

else:

elem\_dict[a[i]] = 1

distict\_elem = []

for key in elem\_dict.keys():

distict\_elem.append(key)

sorted\_distict = quicksort(distict\_elem) #Man kan även använda andra sorteringsalgoritmer som är Ó(nlogn), dvs. detta steg är O(klogk)

output = len(a) \* []

for elem = sorted\_distict[0] to sorted\_distict[len(sorted\_distict) – 1]:

new = elem\_dict[elem] \* [int(elem)]

output += new

return output