import sys

f = open("sample\_input.txt","r")

readText = f.read()f.close()

lst = readText.split('\n')costs = {}

for i in lst:

if len(i.split(':')) == 2:

if i.split(':')[0] == "Number of employees":

num\_emp = int(i.split(':')[1]) elif i.split(':')[1] != '': costs[i.split(':')[0]] = int(i.split(':')[1]) costs = dict(sorted(costs.items(), key=lambda item: item[1]))

map\_keys = {}i = 1

for k, v in costs.items():

map\_keys[i] = k i += 1

#---------Selecting first num\_emp from list with least cost diff------------

min\_cst = float('inf')

min\_i = -1

for i in range(1, len(costs) - num\_emp):

if min\_cst > costs[map\_keys[i+num\_emp-1]] - costs[map\_keys[i]]:

min\_cst = costs[map\_keys[i+num\_emp-1]] - costs[map\_keys[i]]

min\_i = i f = open("sample\_output.txt", "w")f.write("The goodies selected for distribution are:\n")

for i in range(min\_i, min\_i+num\_emp):

f.write("\n" + map\_keys[i]+ ": " + str(costs[map\_keys[i]]))f.write("\n")x = "\nAnd the difference between the chosen goodie with highest price and the lowest price is " + str(min\_cst)

f.write()

f.close()