class c:

def \_\_init\_\_(self, data):

self.left = None

self.right = None

self.data = data

def ins(self, data):

if self.data:

if data < self.data:

if self.left is None:

self.left = c(data)

else:

self.left.ins(data)

elif data > self.data:

if self.right is None:

self.right = c(data)

else:

self.right.ins(data)

else:

self.data = data

def tree(self):

if self.left:

self.left.tree()

print(self.data)

if self.right:

self.right.tree()

def sss(self, find):

if find < self.data:

if self.left is None:

return str(find)+" - не найдено"

return self.left.sss(find)

elif find > self.data:

if self.right is None:

return str(find)+" - не найдено"

return self.right.sss(find)

else:

return str(self.data) + ' - найдено'

B = c(int(input("корень = ")))

a = input("ветви: ").split()

for i in range(len(a)):

B.ins(int(a[i]))

print("двоичное дерево")

B.tree()

k = int(input("введите число = "))

print(B.sss(k))

while(k != ""):

k = input("введите число = ")

if(k != ""):

print(B.sss(int(k)))

