დათა ჭანუყვაძე ჯგ8

# 1 =====

def busht(a):

n = len(a)

for i in range(n):

ch = False

for j in range(0, n - i - 1):

if a[j] > a[j + 1]:

a[j], a[j + 1] = a[j + 1], a[j]

ch = True

if not ch:

break

m = [0, 1, 1, 0, 0, 1]

busht(m)

print("dalagebulia:", m)

# 2 =====

def fib(n):

if n <= 0:

return 0

elif n == 1:

return 1

else:

return fib(n - 1) + fib(n - 2)

print("Batoni fibonachi", fib(20))

# 3 =====

M = [1, 2, 5, 8, 9, 10, 3]

maqs = 0

axla = 1

result = []

for i in range(1, len(M)):

if M[i] == M[i - 1] + 1:

axla += 1

else:

if axla > maqs:

maqs = axla

result = M[i - axla:i]

axla = 1

if axla > maqs:

maqs = axla

result = M[-axla:]

print("mezobeli: ",maqs)

print("new:", result)