2.1

Ссылка :

<https://replit.com/join/zifljwkayl-banakov>

def fibonacci(max\_value):

fib\_sequence = [0, 1] # начальные значения ряда Фибоначчи

while fib\_sequence[-1] < max\_value:

next\_value = fib\_sequence[-1] + fib\_sequence[-2]

if next\_value > max\_value:

break

fib\_sequence.append(next\_value)

return fib\_sequence

2.2

Ссылка :

<https://replit.com/join/apzqswawhl-banakov>

class FibonacciIterator:

def \_\_init\_\_(self, max\_value):

self.max\_value = max\_value

self.fib\_sequence = [0, 1]

def \_\_iter\_\_(self):

return self

def \_\_next\_\_(self):

next\_value = self.fib\_sequence[-1] + self.fib\_sequence[-2]

if next\_value > self.max\_value:

raise StopIteration

self.fib\_sequence.append(next\_value)

return next\_value