```
Генераторы
         def even_range(start, end):
             current = start
             while current < end:</pre>
                 yield current
                 current += 2
In [2]: for number in even_range(0, 10):
             print(number)
In [3]:
         ranger = even_range(0, 4)
         next(ranger)
 Out[4]: 0
In [5]: next(ranger)
 Out[5]: 2
 In [6]: next(ranger)
                                                  Traceback (most recent call last)
         StopIteration
         <ipython-input-6-9065b0f81b55> in <module>()
         ---> 1 next(ranger)
         StopIteration:
         def list_generator(list_obj):
             for item in list_obj:
                 yield item
                 print('After yielding {}'.format(item))
         generator = list_generator([1, 2])
 In [8]:
         next(generator)
Out[8]: 1
         next(generator)
         After yielding 1
Out[9]: 2
In [10]:
         next(generator)
         After yielding 2
         StopIteration
                                                  Traceback (most recent call last)
         <ipython-input-10-1d0a8ea12077> in <module>()
         ---> 1 next(generator)
         StopIteration:
In [11]:
         def fibonacci(number):
             a = b = 1
             for _ in range(number):
                 yield a
                 a, b = b, a + b
In [12]:
         for num in fibonacci(10):
             print(num)
         13
         21
         34
         55
In [13]:
         def accumulator():
             total = 0
             while True:
                 value = yield total
                 print('Got: {}'.format(value))
                 if not value: break
                 total += value
         generator = accumulator()
In [14]:
         next(generator)
Out[14]: 0
In [15]:
         print('Accumulated: {}'.format(generator.send(1)))
         Got: 1
         Accumulated: 1
         print('Accumulated: {}'.format(generator.send(1)))
         Got: 1
         Accumulated: 2
In [17]:
         print('Accumulated: {}'.format(generator.send(1)))
         Got: 1
         Accumulated: 3
In [18]:
         next(generator)
         Got: None
                                                  Traceback (most recent call last)
         StopIteration
         <ipython-input-18-1d0a8ea12077> in <module>()
         ---> 1 next(generator)
         StopIteration:
```