

Заполнить массив числами фибоначчи

1,1,2,3,5,8,13,21,34,55,...

*a b n[i]*

*a b*

```
n = [3, 45, 234, 2, 7, 212, 99, 2304, 73, 12, 20]
n[0] = 1
n[1] = 1
i = 2
while i < len(n):
    n[i] = n[i-1] + n[i-2]
    i += 1
print(n)
```

```
n = [3, 45, 234, 2, 7, 212, 99, 2304, 73, 12, 20]
a = 1
b = 1
n[0] = a
n[1] = b
i = 2
while i < len(n):
    n[i] = a + b
    a = b
    b = n[i]
    i += 1
print(n)
```

```
n = [3, 45, 234, 2, 7, 212, 99, 2304, 73, 12, 20]
i = 0
while i < len(n):
    n[i] = int((((1 + 5 ** 0.5) / 2)** (i+1) - ((1 - 5 ** 0.5) / 2)** (i+1)) // 5 ** 0.5)
    i += 1
print(n)
```

