

*Заполнить массив числами фибоначчи*

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

```
import math
def filleven(x):
    i=0
    while i<len(x):
        x[i]=int((((1+math.sqrt(5))/2)**(i+1))-((1-math.sqrt(5))/2)**(i+1))/math.sqrt(5))
        i+=1
```

```
x=[3,5,7,9,2,1,8]
filleven(x)
print(x)
```

```
def filleven(x):
    x[0]=1
    x[1]=1
    i=2
    while i<len(x):
        x[i]=x[i-1] + x[i-2]
        i+=1
```

```
def filleven(x):
    help1=1
    help2=1
    x[0]=help1
    x[1]=help2
    i=2
    while i<len(x):
        x[i]=help1+help2#help1=3 help2=5
        help1=help2
        help2=x[i]
        #help1=5 help2=8
        i+=1
```

