

Fibonacci

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1 Calcular el i-ésimo valor de la serie de Fibonacci

Suponemos que $\text{fibonacci}(1) = 0$, $\text{fibonacci}(2) = 1$, etc.

```
[1]: def fibonacci(n):  
    a = 0  
    b = 1  
    if n <= 0:  
        print("Incorrect input")  
    elif n == 1:  
        return a  
    else:  
        for i in range(2,n):  
            c = a + b  
            a = b  
            b = c  
        return b
```

```
[2]: # Testeamos  
  
serie_fibonacci = []  
  
for i in range (1, 20):  
    serie_fibonacci.append(fibonacci(i))  
  
serie_fibonacci
```

```
[2]: [0, 1, 1, 2, 3, 5, 8, 13, 21, 34, 55, 89, 144, 233, 377, 610, 987, 1597, 2584]
```