

Copilot

Sure! Here's a Python solution to calculate the Fibonacci series up to a given number (N):

```
def fibonacci_series(N):  
    # Initialize the first two Fibonacci numbers  
    fib_series = [0, 1]  
  
    # Generate the Fibonacci series until the next number exceeds N  
    while True:  
        next_fib = fib_series[-1] + fib_series[-2]  
        if next_fib > N:  
            break  
        fib_series.append(next_fib)  
  
    # Include N if it is part of the series  
    if N not in fib_series:  
        fib_series.append(N)  
  
    return fib_series  
  
# Example usage  
N = 21  
print(f"Fibonacci series up to {N}: {fibonacci_series(N)}")
```

This code initializes the first two Fibonacci numbers (0 and 1) and then generates the series until the next number exceeds (N). If (N) is part of the series, it is included in the final list. The example usage demonstrates how to call the function with (N = 21).

Feel free to test it with different values of (N)! If you have any questions or need further assistance, let me know.