Copilot

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

```
def fibonacci_series(n):
    fib_series = [0, 1]
    while True:
        next_fib = fib_series[-1] + fib_series[-2]
        if next_fib > n:
            break
        fib_series.append(next_fib)
    return fib_series

# Example usage
N = 21
result = fibonacci_series(N)
print(f"Fibonacci series up to {N}: {result}")
```

In this code:

- We start with the initial two numbers of the Fibonacci series, 0 and 1.
- We then use a `while` loop to generate the next Fibonacci number by summing the last two numbers in the series.
- If the next Fibonacci number exceeds (N), we break out of the loop.
- Finally, we return the Fibonacci series up to (N).

For example, if (N = 21), the output will be:

```
Fibonacci series up to 21: [0, 1, 1, 2, 3, 5, 8, 13, 21]
```

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