Copilot

Sure, I can help with that! Here are the minimal changes needed to fix the program:

1. Change the assignment operator `=` to the comparison operator `==` in the `if` statement.
2. Correct the order of updating `f1` and `f2` in the `while` loop.

Here's the corrected code within the function:

```
class P2_Python_buggy:

    def fibonacci_index(number):
        if number < 0:
            raise ValueError("Keine gültige Fibonacci-Zahl")

        index = 1
        fib = 1
        f1 = 1
        f2 = 0

        while fib <= number:
            if fib == number:
                return index

            f2 = f1
            f1 = fib
            fib = f1 + f2

            index += 1

        raise ValueError("Keine gültige Fibonacci-Zahl")

    def main():
        number = int(input("Bitte geben Sie eine Zahl ein!"))

        try:
            print(f"Die Zahl ist Zahl {P2_Python_buggy.fibonacci_index(number)} der Fibonacci-Folge.")
        except ValueError as e:
            print(e)


if __name__ == "__main__":
    P2_Python_buggy.main()
```

These changes should fix the program and allow it to correctly calculate the Fibonacci series up to the given number (N). Let me know if you need any further assistance!