

## Copilot

Sure, I can help with that! The main issue in your code is the assignment operator = used in the if condition instead of the equality operator ==. Additionally, the Fibonacci sequence calculation needs a slight adjustment. Here is the corrected function with minimal changes:

```
fibonacci_index <- function(number) {  
  if (number < 0) {  
    stop("Keine gültige Fibonacci-Zahl")  
  }  
  
  index <- 1  
  fib <- 1  
  f1 <- 1  
  f2 <- 0  
  
  while (fib <= number) {  
    if (fib == number) {  
      return(index)  
    }  
    f1 <- fib  
    fib <- f1 + f2  
    f2 <- f1  
    index <- index + 1  
  }  
  
  stop("Keine gültige Fibonacci-Zahl")  
}
```

With these changes, your program should work correctly. Give it a try and let me know if you encounter any other issues!