

Copilot

Sure, I can help with that! The issue with your current program is that it incorrectly checks for divisors of (N). Specifically, the condition $N \% i \neq 0$ should be $N \% i == 0$ to correctly identify divisors of (N).

Here's the corrected function with minimal changes:

```
find_divisors_divisible_by_3 <- function(N) {  
  count <- 0  
  for (i in 1:N) {  
    if (N %% i == 0 && i %% 3 == 0) {  
      count <- count + 1  
    }  
  }  
  return(count)  
}  
  
n <- 36  
count <- find_divisors_divisible_by_3(n)  
cat("Number of divisors of", n, "that are divisible by 3:", count, "\n")
```

This should now correctly count the number of divisors of (N) that are divisible by 3. Let me know if you need any further assistance!