Copilot

Sure! Here's an example solution in R to find the number of divisors of an integer (N) that are divisible by 3:

```r
count_divisors_by_3 <- function(N) {
  count <- 0
  for (i in 1:N) {
    if (N %% i == 0 && i %% 3 == 0) {
      count <- count + 1
    }
  }
  return(count)
}

# Example usage
N <- 18
result <- count_divisors_by_3(N)
cat("Number of divisors of", N, "that are divisible by 3:", result, "\n")
```

In this example, the function `count_divisors_by_3` takes an integer (N) as input and iterates through all numbers from 1 to (N). It checks if a number is a divisor of (N) and if it is divisible by 3. If both conditions are met, it increments the count. Finally, it returns the count.

For (N = 18), the output will be:

```
Number of divisors of 18 that are divisible by 3: 3
```

The divisors of 18 that are divisible by 3 are 3, 6, and 9.