(b) Consider test cases $t_1 = (n = 3)$ and $t_2 = (n = 5)$. Although these tour the same prime paths in `printPrimes()`, they do not necessarily find the same faults. Design a simple fault that $t_2$ would be more likely to discover than $t_1$ would.

**Solution (Instructor only):**

An obvious and boring fault is if the while loop test is incorrect – for example, while ($\text{numPrimes} < 3$).

A more interesting type of fault is to note that $n=3$ returns all the odd numbers between 2 and 5, whereas $n=5$ does not. Thus a fault that caused the program to return odd numbers instead of prime numbers would be detected by $n=5$, not $n=3$. For example, if the `if` test was `if isDivisible(primes[0], curPrime)`, or if the `isDivisible()` method was implemented incorrectly. This is `interesting`