

The following faults were introduced into the Glucosio project code in order to cause some, but not all, of our tests to fail:

**Fault #1: ReadingTools.hourToSpinnerType()**

A single operator is changed from '>' to '>=', causing the test case hourToSpinner1 to fail.

**Fault #2: ReadingTools.parseReading()**

(We didn't actually introduce this fault, it was already there.) The method attempts to parse a Number from a String that contains letters, truncating the String at the first invalid character (e.g. "1.a23" to "1."), causing parseReading5 to fail. In addition, Strings that may be in a format for a different Locale are read in as normal for the current Locale (e.g. In English, "1,23" to 123.0), which causes parseReading2 to fail.

**Fault #3: SplitDateTime.getMonth()**

The pattern for getMonth() is changed from "MM" to "mm", which is the pattern for minutes, causing splitDateTime4 to fail.

**Fault #4: GlucosioConverter.round()**

The RoundingMode is changed from HALF\_UP to FLOOR, which causes converterRound1 to fail.

**Fault #5: GlucosioConverter.a1cToGlucose()**

The number of places to round to is changed from 2 to 3, causing a1cToGlucose1, a1cToGlucose2, and a1cToGlucose3 to fail.