

# Software Quality & Testing – Graded Assignment 6

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## Are there mutants that you cannot kill?

Yes.

## If yes, why and which are mutants that you cannot kill?

The mutants I cannot kill are:

replaced boolean return with true for org/usi/sq/util/CircularFifoQueue::offer → SURVIVED

at line 135 (which is impossible to kill since the parent method always returns true, thus the mutant is semantically equivalent to the implementation), and:

changed conditional boundary → SURVIVED

changed conditional boundary → SURVIVED

negated conditional → SURVIVED

for if (start < lastReturnedIndex && pos < end) at line 251.