**Part 1, Step 1: Mutation analysis**

1. Original:

|  |  |
| --- | --- |
| Live Mutants # | 16 |
| Killed Mutants # | 148 |
| Total Mutants # | 164 |
| Mutant Score | 90.0% |

1. Added tests
2. testTwoSegmentsDiffMoreThan500SecondLarger(),

killed mutant is AOIU\_4.