[\*] Start mutation process:

- targets: source\_to\_mutate

- tests: test\_generated\_mutants

[\*] 20 tests passed:

- test\_generated\_mutants [0.10529 s]

[\*] Start mutants generation and execution:

- [# 1] AOR source\_to\_mutate: [0.12072 s] killed by test\_generated\_mutants.py::test\_intersection\_identical\_intervals

- [# 2] AOR source\_to\_mutate: [0.07860 s] killed by test\_generated\_mutants.py::test\_intersection\_no\_intersection

- [# 3] COI source\_to\_mutate: [0.08115 s] killed by test\_generated\_mutants.py::test\_intersection\_prime\_length

- [# 4] COI source\_to\_mutate: [0.09934 s] killed by test\_generated\_mutants.py::test\_intersection\_identical\_intervals

- [# 5] COI source\_to\_mutate: [0.09222 s] survived

- [# 6] COI source\_to\_mutate: [0.08237 s] killed by test\_generated\_mutants.py::test\_intersection\_no\_intersection

- [# 7] LCR source\_to\_mutate: [0.08749 s] killed by test\_generated\_mutants.py::test\_intersection\_non\_prime\_length

- [# 8] LCR source\_to\_mutate: [0.06386 s] killed by test\_generated\_mutants.py::test\_intersection\_no\_intersection

- [# 9] ROR source\_to\_mutate: [0.06684 s] killed by test\_generated\_mutants.py::test\_intersection\_prime\_length

- [# 10] ROR source\_to\_mutate: [0.06351 s] killed by test\_generated\_mutants.py::test\_intersection\_prime\_length

- [# 11] ROR source\_to\_mutate: [0.07467 s] killed by test\_generated\_mutants.py::test\_intersection\_identical\_intervals

- [# 12] ROR source\_to\_mutate: [0.06168 s] survived

- [# 13] ROR source\_to\_mutate: [0.08021 s] killed by test\_generated\_mutants.py::test\_intersection\_no\_intersection

- [# 14] ROR source\_to\_mutate: [0.06925 s] survived

[\*] Mutation score [1.30359 s]: 78.6%

- all: 14

- killed: 11 (78.6%)

- survived: 3 (21.4%)

- incompetent: 0 (0.0%)

- timeout: 0 (0.0%)

[SUCCESS] Initial tests passed. Now calculating coverage and mutation score.

--- Step 4: Calculating test coverage ---

[INFO] Running coverage for target: mutation\_output\source\_to\_mutate.py, tests: mutation\_output\test\_generated\_mutants.py

Name Stmts Miss Branch BrPart Cover Missing

-----------------------------------------------------------------

source\_to\_mutate.py 16 1 10 2 88% 27->26, 29

-----------------------------------------------------------------

TOTAL 16 1 10 2 88%

--- Step 5: Final Results ---

[INFO] Test Coverage: 88%

[INFO] Mutation Score: 78.60%

--- Analysis Finished ---