[\*] 28 tests passed:

- test\_generated\_mutants [0.13279 s]

[\*] Start mutants generation and execution:

- [# 1] AOR source\_to\_mutate: [0.19129 s] killed by test\_generated\_mutants.py::test\_change\_base\_8\_to\_3

- [# 2] AOR source\_to\_mutate: [0.08972 s] incompetent

- [# 3] ASR source\_to\_mutate: [0.09233 s] killed by test\_generated\_mutants.py::test\_change\_base\_8\_to\_3

- [# 4] ASR source\_to\_mutate: - [# 5] COI source\_to\_mutate: [0.13200 s] killed by test\_generated\_mutants.py::test\_change\_base\_8\_to\_3

- [# 6] ROR source\_to\_mutate: [0.09984 s] killed by test\_generated\_mutants.py::test\_change\_base\_8\_to\_3

- [# 7] ROR source\_to\_mutate: [\*] Mutation score [10.83070 s]: 100.0%

- all: 7

- killed: 4 (57.1%)

- survived: 0 (0.0%)

- incompetent: 1 (14.3%)

- timeout: 2 (28.6%)

[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 6 0 2 0 100%

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

TOTAL 6 0 2 0 100%

--- Step 5: Final Results ---

[INFO] Test Coverage: 100%

[INFO] Mutation Score: 100.00%

--- Analysis Finished ---

Process completed. Final test code is available in the output directory.