[\*] 14 tests passed:

- test\_generated\_mutants [0.12457 s]

[\*] Start mutants generation and execution:

- [# 1] AOR source\_to\_mutate: [0.18985 s] killed by test\_generated\_mutants.py::test\_negative\_and\_positive

- [# 2] AOR source\_to\_mutate: [0.08893 s] killed by test\_generated\_mutants.py::test\_basic\_example

- [# 3] COI source\_to\_mutate: [0.09499 s] killed by test\_generated\_mutants.py::test\_basic\_example

- [# 4] COI source\_to\_mutate: [0.08723 s] incompetent

- [# 5] COI source\_to\_mutate: [0.09226 s] killed by test\_generated\_mutants.py::test\_basic\_example

- [# 6] ROR source\_to\_mutate: [0.08663 s] killed by test\_generated\_mutants.py::test\_basic\_example

- [# 7] ROR source\_to\_mutate: [0.08627 s] killed by test\_generated\_mutants.py::test\_basic\_example

- [# 8] ROR source\_to\_mutate: [0.09696 s] survived

[\*] Mutation score [1.01324 s]: 85.7%

- all: 8

- killed: 6 (75.0%)

- survived: 1 (12.5%)

- incompetent: 1 (12.5%)

- 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 15 0 10 0 100%

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

TOTAL 15 0 10 0 100%

--- Step 5: Final Results ---

[INFO] Test Coverage: 100%

[INFO] Mutation Score: 85.70%

--- Analysis Finished ---

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