[\*] 10 tests passed:

- test\_generated\_mutants [0.12011 s]

[\*] Start mutants generation and execution:

- [# 1] AOD source\_to\_mutate: [0.19515 s] killed by test\_generated\_mutants.py::test\_single\_element\_list

- [# 2] AOD source\_to\_mutate: [0.09617 s] killed by test\_generated\_mutants.py::test\_single\_element\_list

- [# 3] AOR source\_to\_mutate: [0.09463 s] killed by test\_generated\_mutants.py::test\_single\_element\_list

- [# 4] AOR source\_to\_mutate: [0.10122 s] killed by test\_generated\_mutants.py::test\_single\_element\_list

- [# 5] COD source\_to\_mutate: [0.09724 s] killed by test\_generated\_mutants.py::test\_empty\_list

- [# 6] COI source\_to\_mutate: [0.09369 s] killed by test\_generated\_mutants.py::test\_empty\_list

- [# 7] SIR source\_to\_mutate: [0.00000 s] incompetent

[\*] Mutation score [0.84051 s]: 100.0%

- all: 7

- killed: 6 (85.7%)

- survived: 0 (0.0%)

- incompetent: 1 (14.3%)

- 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 10 0 4 0 100%

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

TOTAL 10 0 4 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.