[\*] 16 tests passed:

- test\_generated\_mutants [0.12855 s]

[\*] Start mutants generation and execution:

- [# 1] AOR source\_to\_mutate: [0.19086 s] killed by test\_generated\_mutants.py::test\_zero\_in\_list\_no\_pair

- [# 2] AOR source\_to\_mutate: [0.09627 s] killed by test\_generated\_mutants.py::test\_zero\_sum\_pair\_exists

- [# 3] COI source\_to\_mutate: [0.09497 s] killed by test\_generated\_mutants.py::test\_no\_zero\_sum\_pair

- [# 4] ROR source\_to\_mutate: [0.09277 s] killed by test\_generated\_mutants.py::test\_no\_zero\_sum\_pair

[\*] Mutation score [0.63234 s]: 100.0%

- all: 4

- killed: 4 (100.0%)

- survived: 0 (0.0%)

- 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 6 0 6 0 100%

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

TOTAL 6 0 6 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.