--- Step 3: Running mutation testing (Attempt 3/30) ---

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

[\*] Start mutation process:

- targets: source\_to\_mutate

- tests: test\_generated\_mutants

[\*] 16 tests passed:

- test\_generated\_mutants [0.08325 s]

[\*] Start mutants generation and execution:

- [# 1] AOR source\_to\_mutate: [0.09159 s] killed by test\_generated\_mutants.py::test\_exchange\_mixed\_lst1\_not\_enough\_even\_lst2

- [# 2] AOR source\_to\_mutate: [0.06235 s] killed by test\_generated\_mutants.py::test\_exchange\_all\_odd\_lst1

- [# 3] ASR source\_to\_mutate: [0.05946 s] killed by test\_generated\_mutants.py::test\_exchange\_mixed\_lst1\_not\_enough\_even\_lst2

- [# 4] ASR source\_to\_mutate: [0.06233 s] killed by test\_generated\_mutants.py::test\_exchange\_all\_odd\_lst1

- [# 5] COI source\_to\_mutate: [0.05289 s] killed by test\_generated\_mutants.py::test\_exchange\_all\_even\_lst1

- [# 6] COI source\_to\_mutate: [0.05943 s] killed by test\_generated\_mutants.py::test\_exchange\_all\_odd\_lst1

- [# 7] COI source\_to\_mutate: [0.05326 s] killed by test\_generated\_mutants.py::test\_exchange\_all\_even\_lst1

- [# 8] ROR source\_to\_mutate: [0.05399 s] killed by test\_generated\_mutants.py::test\_exchange\_all\_even\_lst1

- [# 9] ROR source\_to\_mutate: [0.05245 s] killed by test\_generated\_mutants.py::test\_exchange\_all\_odd\_lst1

- [# 10] ROR source\_to\_mutate: [0.05168 s] killed by test\_generated\_mutants.py::test\_exchange\_mixed\_lst1\_enough\_even\_lst2

- [# 11] ROR source\_to\_mutate: [0.05788 s] killed by test\_generated\_mutants.py::test\_exchange\_all\_even\_lst1

[\*] Mutation score [0.77881 s]: 100.0%

- all: 11

- killed: 11 (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 12 0 10 0 100%

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

TOTAL 12 0 10 0 100%

--- Step 5: Final Results ---

[INFO] Test Coverage: 100%

[INFO] Mutation Score: 100.00%

--- Analysis Finished ---