--- Step 3: Running mutation testing (Attempt 1/30) ---

[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

[\*] 12 tests passed:

- test\_generated\_mutants [0.10964 s]

[\*] Start mutants generation and execution:

- [# 1] COI source\_to\_mutate: [0.09904 s] killed by test\_generated\_mutants.py::test\_string\_xor\_basic

- [# 2] ROR source\_to\_mutate: [0.05845 s] killed by test\_generated\_mutants.py::test\_string\_xor\_basic

[\*] Mutation score [0.29680 s]: 100.0%

- all: 2

- killed: 2 (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 8 0 2 0 100%

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

TOTAL 8 0 2 0 100%

--- Step 5: Final Results ---

[INFO] Test Coverage: 100%

[INFO] Mutation Score: 100.00%

--- Analysis Finished ---