--- Step 3: Running mutation testing (Attempt 2/30) ---

[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

[\*] 18 tests passed:

- test\_generated\_mutants [0.09380 s]

[\*] Start mutants generation and execution:

- [# 1] COI source\_to\_mutate: [0.08957 s] killed by test\_generated\_mutants.py::test\_empty\_string

- [# 2] COI source\_to\_mutate: [0.06962 s] killed by test\_generated\_mutants.py::test\_single\_letter

- [# 3] COI source\_to\_mutate: [0.05751 s] killed by test\_generated\_mutants.py::test\_single\_letter

- [# 4] LCR source\_to\_mutate: [0.05968 s] killed by test\_generated\_mutants.py::test\_empty\_string

- [# 5] ROR source\_to\_mutate: [0.07053 s] killed by test\_generated\_mutants.py::test\_single\_letter

- [# 6] ROR source\_to\_mutate: [0.05992 s] survived

- [# 7] ROR source\_to\_mutate: [0.05332 s] killed by test\_generated\_mutants.py::test\_empty\_string

- [# 8] ROR source\_to\_mutate: [0.05427 s] killed by test\_generated\_mutants.py::test\_single\_letter

- [# 9] ROR source\_to\_mutate: [0.05672 s] survived

- [# 10] ROR source\_to\_mutate: [0.05190 s] killed by test\_generated\_mutants.py::test\_single\_letter

[\*] Mutation score [0.77242 s]: 80.0%

- all: 10

- killed: 8 (80.0%)

- survived: 2 (20.0%)

- 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: 80.00%

--- Analysis Finished ---