--- Step 3: Running mutation testing (Attempt 16/40) ---

[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

[\*] 17 tests passed:

- test\_generated\_mutants [1.02650 s]

[\*] Start mutants generation and execution:

- [# 1] AOR source\_to\_mutate: [0.35259 s] killed by test\_generated\_mutants.py::test\_get\_odd\_collatz\_6

- [# 2] AOR source\_to\_mutate: - [# 3] AOR source\_to\_mutate: [0.55902 s] survived

- [# 4] AOR source\_to\_mutate: - [# 5] AOR source\_to\_mutate: - [# 6] AOR source\_to\_mutate: [0.17531 s] killed by test\_generated\_mutants.py::test\_get\_odd\_collatz\_6

- [# 7] AOR source\_to\_mutate: - [# 8] AOR source\_to\_mutate: - [# 9] AOR source\_to\_mutate: [0.18705 s] killed by test\_generated\_mutants.py::test\_get\_odd\_collatz\_5

- [# 10] COI source\_to\_mutate: [0.18669 s] killed by test\_generated\_mutants.py::test\_get\_odd\_collatz\_1

- [# 11] COI source\_to\_mutate: [0.17336 s] killed by test\_generated\_mutants.py::test\_get\_odd\_collatz\_5

- [# 12] COI source\_to\_mutate: [0.16685 s] killed by test\_generated\_mutants.py::test\_get\_odd\_collatz\_5

- [# 13] COI source\_to\_mutate: [0.15894 s] killed by test\_generated\_mutants.py::test\_get\_odd\_collatz\_5

- [# 14] CRP source\_to\_mutate: [0.15734 s] killed by test\_generated\_mutants.py::test\_get\_odd\_collatz\_8

- [# 15] CRP source\_to\_mutate: [0.17180 s] killed by test\_generated\_mutants.py::test\_get\_odd\_collatz\_1

- [# 16] CRP source\_to\_mutate: [0.17016 s] killed by test\_generated\_mutants.py::test\_get\_odd\_collatz\_5

- [# 17] CRP source\_to\_mutate: - [# 18] CRP source\_to\_mutate: - [# 19] CRP source\_to\_mutate: - [# 20] CRP source\_to\_mutate: - [# 21] CRP source\_to\_mutate: - [# 22] CRP source\_to\_mutate: [0.50900 s] killed by test\_generated\_mutants.py::test\_get\_odd\_collatz\_5

- [# 23] CRP source\_to\_mutate: [0.17103 s] killed by test\_generated\_mutants.py::test\_get\_odd\_collatz\_5

- [# 24] ROR source\_to\_mutate: [0.18781 s] killed by test\_generated\_mutants.py::test\_get\_odd\_collatz\_1

- [# 25] ROR source\_to\_mutate: [0.17376 s] killed by test\_generated\_mutants.py::test\_get\_odd\_collatz\_5

- [# 26] ROR source\_to\_mutate: - [# 27] ROR source\_to\_mutate: [0.20990 s] killed by test\_generated\_mutants.py::test\_get\_odd\_collatz\_5

- [# 28] ROR source\_to\_mutate: [0.17380 s] killed by test\_generated\_mutants.py::test\_get\_odd\_collatz\_5

[\*] Mutation score [61.82955 s]: 96.4%

- all: 28

- killed: 16 (57.1%)

- survived: 1 (3.6%)

- incompetent: 0 (0.0%)

- timeout: 11 (39.3%)

[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 11 0 8 0 100%

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

TOTAL 11 0 8 0 100%

--- Step 5: Final Results ---

[INFO] Test Coverage: 100%

[INFO] Mutation Score: 96.40%

--- Analysis Finished ---