--- Step 3: Running mutation testing (Attempt 7/30) ---

[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

[\*] 19 tests passed:

- test\_generated\_mutants [0.16166 s]

[\*] Start mutants generation and execution:

- [# 1] AOD source\_to\_mutate: [0.11585 s] killed by test\_generated\_mutants.py::test\_single\_positive\_number

- [# 2] AOD source\_to\_mutate: [0.08549 s] killed by test\_generated\_mutants.py::test\_single\_positive\_number

- [# 3] AOD source\_to\_mutate: [0.07994 s] killed by test\_generated\_mutants.py::test\_single\_positive\_number

- [# 4] AOR source\_to\_mutate: [0.11329 s] killed by test\_generated\_mutants.py::test\_single\_positive\_number

- [# 5] AOR source\_to\_mutate: [0.07321 s] killed by test\_generated\_mutants.py::test\_single\_positive\_number

- [# 6] AOR source\_to\_mutate: [0.06951 s] killed by test\_generated\_mutants.py::test\_single\_positive\_number

- [# 7] ASR source\_to\_mutate: [0.06440 s] killed by test\_generated\_mutants.py::test\_single\_positive\_number

- [# 8] COI source\_to\_mutate: [0.10799 s] killed by test\_generated\_mutants.py::test\_negative\_numbers

- [# 9] COI source\_to\_mutate: [0.07765 s] killed by test\_generated\_mutants.py::test\_empty\_array

- [# 10] ROR source\_to\_mutate: [0.08832 s] killed by test\_generated\_mutants.py::test\_negative\_numbers

- [# 11] ROR source\_to\_mutate: [0.06185 s] survived

- [# 12] ROR source\_to\_mutate: [0.05607 s] killed by test\_generated\_mutants.py::test\_empty\_array

[\*] Mutation score [1.20836 s]: 91.7%

- all: 12

- killed: 11 (91.7%)

- survived: 1 (8.3%)

- 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 6 0 100%

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

TOTAL 12 0 6 0 100%

--- Step 5: Final Results ---

[INFO] Test Coverage: 100%

[INFO] Mutation Score: 91.70%

--- Analysis Finished ---