--- 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

[\*] 19 tests passed:

- test\_generated\_mutants [0.15312 s]

[\*] Start mutants generation and execution:

- [# 1] AOD source\_to\_mutate: [0.15344 s] killed by test\_generated\_mutants.py::test\_choose\_num\_x\_greater\_than\_y

- [# 2] AOD source\_to\_mutate: [0.12971 s] killed by test\_generated\_mutants.py::test\_choose\_num\_x\_equals\_y\_and\_odd

- [# 3] AOR source\_to\_mutate: [0.10822 s] killed by test\_generated\_mutants.py::test\_choose\_num\_x\_greater\_than\_y

- [# 4] AOR source\_to\_mutate: [0.14883 s] killed by test\_generated\_mutants.py::test\_choose\_num\_x\_equals\_y\_and\_even

- [# 5] AOR source\_to\_mutate: [0.13746 s] killed by test\_generated\_mutants.py::test\_choose\_num\_x\_equals\_y\_and\_odd

- [# 6] AOR source\_to\_mutate: [0.10969 s] killed by test\_generated\_mutants.py::test\_choose\_num\_y\_is\_even

- [# 7] COI source\_to\_mutate: [0.14043 s] killed by test\_generated\_mutants.py::test\_choose\_num\_x\_greater\_than\_y

- [# 8] COI source\_to\_mutate: [0.13628 s] killed by test\_generated\_mutants.py::test\_choose\_num\_y\_is\_even

- [# 9] COI source\_to\_mutate: [0.13385 s] killed by test\_generated\_mutants.py::test\_choose\_num\_y\_is\_even

- [# 10] ROR source\_to\_mutate: [0.09887 s] killed by test\_generated\_mutants.py::test\_choose\_num\_x\_greater\_than\_y

- [# 11] ROR source\_to\_mutate: [0.08857 s] killed by test\_generated\_mutants.py::test\_choose\_num\_x\_equals\_y\_and\_even

- [# 12] ROR source\_to\_mutate: [0.09383 s] killed by test\_generated\_mutants.py::test\_choose\_num\_y\_is\_even

- [# 13] ROR source\_to\_mutate: [0.14637 s] killed by test\_generated\_mutants.py::test\_choose\_num\_y\_is\_even

[\*] Mutation score [1.83379 s]: 100.0%

- all: 13

- killed: 13 (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 6 0 100%

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

TOTAL 8 0 6 0 100%

--- Step 5: Final Results ---

[INFO] Test Coverage: 100%

[INFO] Mutation Score: 100.00%

--- Analysis Finished ---