--- 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

[\*] 13 tests passed:

- test\_generated\_mutants [0.18850 s]

[\*] Start mutants generation and execution:

- [# 1] AOD source\_to\_mutate: [0.10003 s] killed by test\_generated\_mutants.py::test\_maximum\_k\_equals\_length

- [# 2] AOR source\_to\_mutate: [0.06801 s] killed by test\_generated\_mutants.py::test\_maximum\_k\_equals\_length

- [# 3] COI source\_to\_mutate: [0.05364 s] killed by test\_generated\_mutants.py::test\_maximum\_k\_0

- [# 4] ROR source\_to\_mutate: [0.05655 s] killed by test\_generated\_mutants.py::test\_maximum\_k\_0

- [# 5] SIR source\_to\_mutate: [0.06249 s] killed by test\_generated\_mutants.py::test\_maximum\_k\_less\_than\_length

[\*] Mutation score [0.56400 s]: 100.0%

- all: 5

- killed: 5 (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 6 0 2 0 100%

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

TOTAL 6 0 2 0 100%

--- Step 5: Final Results ---

[INFO] Test Coverage: 100%

[INFO] Mutation Score: 100.00%

--- Analysis Finished ---