--- Step 3: Running mutation testing (Attempt 4/40) ---

[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

[\*] 14 tests passed:

- test\_generated\_mutants [1.10881 s]

[\*] Start mutants generation and execution:

- [# 1] AOR source\_to\_mutate: [0.35143 s] killed by test\_generated\_mutants.py::test\_right\_angle\_triangle\_different\_order

- [# 2] AOR source\_to\_mutate: [0.17032 s] killed by test\_generated\_mutants.py::test\_right\_angle\_triangle\_different\_order

- [# 3] AOR source\_to\_mutate: [0.19328 s] killed by test\_generated\_mutants.py::test\_right\_angle\_triangle\_different\_order

- [# 4] AOR source\_to\_mutate: [0.16786 s] killed by test\_generated\_mutants.py::test\_right\_angle\_triangle\_different\_order

- [# 5] AOR source\_to\_mutate: [0.17643 s] killed by test\_generated\_mutants.py::test\_right\_angle\_triangle\_different\_order

- [# 6] AOR source\_to\_mutate: [0.16198 s] killed by test\_generated\_mutants.py::test\_right\_angle\_triangle\_different\_order

- [# 7] AOR source\_to\_mutate: [0.16163 s] killed by test\_generated\_mutants.py::test\_right\_angle\_triangle\_different\_order

- [# 8] AOR source\_to\_mutate: [0.16311 s] killed by test\_generated\_mutants.py::test\_right\_angle\_triangle\_different\_order

- [# 9] AOR source\_to\_mutate: [0.16677 s] killed by test\_generated\_mutants.py::test\_right\_angle\_triangle\_different\_order

- [# 10] AOR source\_to\_mutate: [0.15771 s] killed by test\_generated\_mutants.py::test\_right\_angle\_triangle\_different\_order

- [# 11] AOR source\_to\_mutate: [0.17713 s] survived

- [# 12] AOR source\_to\_mutate: [0.18424 s] survived

- [# 13] AOR source\_to\_mutate: [0.19973 s] survived

- [# 14] AOR source\_to\_mutate: [0.17152 s] killed by test\_generated\_mutants.py::test\_right\_angle\_triangle\_one\_zero

- [# 15] AOR source\_to\_mutate: [0.17264 s] killed by test\_generated\_mutants.py::test\_right\_angle\_triangle\_one\_zero

- [# 16] AOR source\_to\_mutate: [0.17134 s] survived

- [# 17] AOR source\_to\_mutate: [0.16716 s] survived

- [# 18] AOR source\_to\_mutate: [0.17064 s] survived

- [# 19] AOR source\_to\_mutate: [0.16425 s] survived

- [# 20] AOR source\_to\_mutate: [0.18376 s] survived

- [# 21] AOR source\_to\_mutate: [0.16496 s] killed by test\_generated\_mutants.py::test\_right\_angle\_triangle\_true

- [# 22] AOR source\_to\_mutate: [0.17091 s] killed by test\_generated\_mutants.py::test\_right\_angle\_triangle\_true

- [# 23] AOR source\_to\_mutate: [0.15790 s] killed by test\_generated\_mutants.py::test\_right\_angle\_triangle\_true

- [# 24] AOR source\_to\_mutate: [0.15620 s] killed by test\_generated\_mutants.py::test\_right\_angle\_triangle\_true

- [# 25] AOR source\_to\_mutate: [0.20078 s] killed by test\_generated\_mutants.py::test\_right\_angle\_triangle\_true

- [# 26] AOR source\_to\_mutate: [0.15883 s] killed by test\_generated\_mutants.py::test\_right\_angle\_triangle\_true

- [# 27] AOR source\_to\_mutate: [0.16285 s] killed by test\_generated\_mutants.py::test\_right\_angle\_triangle\_true

- [# 28] AOR source\_to\_mutate: [0.16133 s] killed by test\_generated\_mutants.py::test\_right\_angle\_triangle\_true

- [# 29] AOR source\_to\_mutate: [0.16525 s] killed by test\_generated\_mutants.py::test\_right\_angle\_triangle\_true

- [# 30] AOR source\_to\_mutate: [0.17390 s] killed by test\_generated\_mutants.py::test\_right\_angle\_triangle\_true

- [# 31] LCR source\_to\_mutate: [0.17547 s] killed by test\_generated\_mutants.py::test\_right\_angle\_triangle\_true

- [# 32] ROR source\_to\_mutate: [0.17557 s] killed by test\_generated\_mutants.py::test\_right\_angle\_triangle\_false

- [# 33] ROR source\_to\_mutate: [0.18455 s] killed by test\_generated\_mutants.py::test\_right\_angle\_triangle\_false

- [# 34] ROR source\_to\_mutate: [0.16547 s] killed by test\_generated\_mutants.py::test\_right\_angle\_triangle\_true

[\*] Mutation score [7.18255 s]: 76.5%

- all: 34

- killed: 26 (76.5%)

- survived: 8 (23.5%)

- 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 2 0 0 0 100%

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

TOTAL 2 0 0 0 100%

--- Step 5: Final Results ---

[INFO] Test Coverage: 100%

[INFO] Mutation Score: 76.50%

--- Analysis Finished ---