[\*] 22 tests passed:

- test\_generated\_mutants [0.12800 s]

[\*] Start mutants generation and execution:

- [# 1] AOD source\_to\_mutate: - [# 2] AOR source\_to\_mutate: [0.15005 s] killed by test\_generated\_mutants.py::test\_poly\_two\_coefficients

- [# 3] AOR source\_to\_mutate: [0.09123 s] killed by test\_generated\_mutants.py::test\_poly\_two\_coefficients

- [# 4] AOR source\_to\_mutate: [0.09329 s] killed by test\_generated\_mutants.py::test\_poly\_three\_coefficients

- [# 5] AOR source\_to\_mutate: - [# 6] AOR source\_to\_mutate: [0.14755 s] killed by test\_generated\_mutants.py::test\_find\_zero\_cubic

- [# 7] AOR source\_to\_mutate: [0.10922 s] killed by test\_generated\_mutants.py::test\_find\_zero\_cubic

- [# 8] AOR source\_to\_mutate: [0.09975 s] killed by test\_generated\_mutants.py::test\_find\_zero\_cubic

- [# 9] AOR source\_to\_mutate: [0.09780 s] killed by test\_generated\_mutants.py::test\_find\_zero\_linear

- [# 10] AOR source\_to\_mutate: - [# 11] AOR source\_to\_mutate: - [# 12] AOR source\_to\_mutate: - [# 13] AOR source\_to\_mutate: [0.14717 s] survived

- [# 14] AOR source\_to\_mutate: [0.10547 s] killed by test\_generated\_mutants.py::test\_find\_zero\_linear

- [# 15] AOR source\_to\_mutate: [0.09513 s] killed by test\_generated\_mutants.py::test\_find\_zero\_linear

- [# 16] ASR source\_to\_mutate: [0.09773 s] survived

- [# 17] ASR source\_to\_mutate: [0.09652 s] survived

- [# 18] ASR source\_to\_mutate: [0.09672 s] survived

- [# 19] ASR source\_to\_mutate: [0.10389 s] survived

- [# 20] ASR source\_to\_mutate: [0.10318 s] survived

- [# 21] ASR source\_to\_mutate: [0.10416 s] survived

- [# 22] COI source\_to\_mutate: - [# 23] COI source\_to\_mutate: [0.13982 s] killed by test\_generated\_mutants.py::test\_find\_zero\_linear

- [# 24] COI source\_to\_mutate: [0.12107 s] killed by test\_generated\_mutants.py::test\_find\_zero\_linear

- [# 25] ROR source\_to\_mutate: - [# 26] ROR source\_to\_mutate: [0.12384 s] survived

- [# 27] ROR source\_to\_mutate: [0.09049 s] killed by test\_generated\_mutants.py::test\_find\_zero\_linear

- [# 28] ROR source\_to\_mutate: [0.09528 s] survived

- [# 29] ROR source\_to\_mutate: [0.09234 s] killed by test\_generated\_mutants.py::test\_find\_zero\_linear

- [# 30] ROR source\_to\_mutate: [0.09859 s] killed by test\_generated\_mutants.py::test\_find\_zero\_linear

[\*] Mutation score [37.90415 s]: 70.0%

- all: 30

- killed: 14 (46.7%)

- survived: 9 (30.0%)

- incompetent: 0 (0.0%)

- timeout: 7 (23.3%)

[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 14 2 6 1 85% 26-27

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

TOTAL 14 2 6 1 85%

--- Step 5: Final Results ---

[INFO] Test Coverage: 85%

[INFO] Mutation Score: 70.00%

--- Analysis Finished ---

Process completed. Final test code is available in the output directory.