[\*] 9 tests passed:

- test\_generated\_mutants [0.11648 s]

[\*] Start mutants generation and execution:

- [# 1] AOD source\_to\_mutate: [0.20082 s] killed by test\_generated\_mutants.py::test\_prime\_fib\_2

- [# 2] AOD source\_to\_mutate: [0.09668 s] killed by test\_generated\_mutants.py::test\_prime\_fib\_1

- [# 3] AOD source\_to\_mutate: - [# 4] AOD source\_to\_mutate: [1.61010 s] killed by test\_generated\_mutants.py::test\_prime\_fib\_1

- [# 5] AOR source\_to\_mutate: [0.08704 s] killed by test\_generated\_mutants.py::test\_prime\_fib\_4

- [# 6] AOR source\_to\_mutate: [0.09263 s] survived

- [# 7] AOR source\_to\_mutate: [0.08710 s] killed by test\_generated\_mutants.py::test\_prime\_fib\_4

- [# 8] AOR source\_to\_mutate: [0.08660 s] killed by test\_generated\_mutants.py::test\_prime\_fib\_2

- [# 9] AOR source\_to\_mutate: - [# 10] AOR source\_to\_mutate: [0.30951 s] killed by test\_generated\_mutants.py::test\_prime\_fib\_1

- [# 11] AOR source\_to\_mutate: [5.78311 s] timeout

- [# 12] AOR source\_to\_mutate: [6.71140 s] timeout

- [# 13] ASR source\_to\_mutate: - [# 14] COI source\_to\_mutate: [0.12291 s] killed by test\_generated\_mutants.py::test\_prime\_fib\_1

- [# 15] COI source\_to\_mutate: [0.09079 s] killed by test\_generated\_mutants.py::test\_prime\_fib\_3

- [# 16] COI source\_to\_mutate: [0.09447 s] killed by test\_generated\_mutants.py::test\_prime\_fib\_1

- [# 17] COI source\_to\_mutate: [0.09346 s] killed by test\_generated\_mutants.py::test\_prime\_fib\_1

- [# 18] COI source\_to\_mutate: [0.08852 s] killed by test\_generated\_mutants.py::test\_prime\_fib\_1

- [# 19] ROR source\_to\_mutate: [0.08371 s] killed by test\_generated\_mutants.py::test\_prime\_fib\_1

- [# 20] ROR source\_to\_mutate: [0.09651 s] killed by test\_generated\_mutants.py::test\_prime\_fib\_1

- [# 21] ROR source\_to\_mutate: [0.08643 s] killed by test\_generated\_mutants.py::test\_prime\_fib\_3

- [# 22] ROR source\_to\_mutate: [0.09062 s] killed by test\_generated\_mutants.py::test\_prime\_fib\_1

[\*] Mutation score [42.00841 s]: 95.5%

- all: 22

- killed: 16 (72.7%)

- survived: 1 (4.5%)

- incompetent: 0 (0.0%)

- timeout: 5 (22.7%)

[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 16 0 10 0 100%

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

TOTAL 16 0 10 0 100%

--- Step 5: Final Results ---

[INFO] Test Coverage: 100%

[INFO] Mutation Score: 95.50%

--- Analysis Finished ---

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