[\*] 15 tests passed:

- test\_generated\_mutants [0.12430 s]

[\*] Start mutants generation and execution:

- [# 1] AOD source\_to\_mutate: [0.18987 s] killed by test\_generated\_mutants.py::test\_fib4\_6

- [# 2] AOD source\_to\_mutate: [0.09754 s] survived

- [# 3] AOD source\_to\_mutate: [0.08542 s] killed by test\_generated\_mutants.py::test\_fib4\_6

- [# 4] AOD source\_to\_mutate: [0.08585 s] killed by test\_generated\_mutants.py::test\_fib4\_5

- [# 5] AOD source\_to\_mutate: [0.09728 s] killed by test\_generated\_mutants.py::test\_fib4\_5

- [# 6] AOR source\_to\_mutate: [0.09143 s] killed by test\_generated\_mutants.py::test\_fib4\_5

- [# 7] AOR source\_to\_mutate: [0.08622 s] killed by test\_generated\_mutants.py::test\_fib4\_6

- [# 8] AOR source\_to\_mutate: [0.08652 s] killed by test\_generated\_mutants.py::test\_fib4\_5

- [# 9] AOR source\_to\_mutate: [0.08697 s] survived

- [# 10] AOR source\_to\_mutate: [0.08302 s] killed by test\_generated\_mutants.py::test\_fib4\_5

- [# 11] AOR source\_to\_mutate: [0.08974 s] killed by test\_generated\_mutants.py::test\_fib4\_6

- [# 12] AOR source\_to\_mutate: [0.08582 s] killed by test\_generated\_mutants.py::test\_fib4\_6

- [# 13] AOR source\_to\_mutate: [0.08315 s] killed by test\_generated\_mutants.py::test\_fib4\_5

- [# 14] AOR source\_to\_mutate: [0.08296 s] killed by test\_generated\_mutants.py::test\_fib4\_5

- [# 15] COI source\_to\_mutate: [0.08262 s] killed by test\_generated\_mutants.py::test\_fib4\_2

- [# 16] ROR source\_to\_mutate: [0.09375 s] killed by test\_generated\_mutants.py::test\_fib4\_2

- [# 17] ROR source\_to\_mutate: [0.08865 s] survived

[\*] Mutation score [1.77381 s]: 82.4%

- all: 17

- killed: 14 (82.4%)

- survived: 3 (17.6%)

- 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 4 0 100%

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

TOTAL 8 0 4 0 100%

--- Step 5: Final Results ---

[INFO] Test Coverage: 100%

[INFO] Mutation Score: 82.40%

--- Analysis Finished ---

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