[\*] Start mutation process:

- targets: source\_to\_mutate

- tests: test\_generated\_mutants

[\*] 19 tests passed:

- test\_generated\_mutants [0.10284 s]

[\*] Start mutants generation and execution:

- [# 1] AOD source\_to\_mutate: [0.11118 s] killed by test\_generated\_mutants.py::test\_negative\_numbers

- [# 2] AOR source\_to\_mutate: [0.06420 s] killed by test\_generated\_mutants.py::test\_negative\_numbers

- [# 3] AOR source\_to\_mutate: [0.06336 s] killed by test\_generated\_mutants.py::test\_positive\_numbers

- [# 4] AOR source\_to\_mutate: [0.07888 s] killed by test\_generated\_mutants.py::test\_positive\_numbers

- [# 5] AOR source\_to\_mutate: [0.06489 s] killed by test\_generated\_mutants.py::test\_positive\_numbers

- [# 6] AOR source\_to\_mutate: [0.07345 s] killed by test\_generated\_mutants.py::test\_positive\_numbers

- [# 7] COD source\_to\_mutate: [0.07567 s] killed by test\_generated\_mutants.py::test\_empty\_array

- [# 8] COI source\_to\_mutate: [0.07135 s] killed by test\_generated\_mutants.py::test\_empty\_array

- [# 9] COI source\_to\_mutate: [0.07434 s] killed by test\_generated\_mutants.py::test\_positive\_numbers

- [# 10] ROR source\_to\_mutate: [0.06374 s] killed by test\_generated\_mutants.py::test\_positive\_numbers

- [# 11] ROR source\_to\_mutate: [0.09144 s] survived

[\*] Mutation score [0.95805 s]: 90.9%

- all: 11

- killed: 10 (90.9%)

- survived: 1 (9.1%)

- 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 4 0 2 0 100%

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

TOTAL 4 0 2 0 100%

--- Step 5: Final Results ---

[INFO] Test Coverage: 100%

[INFO] Mutation Score: 90.90%

--- Analysis Finished ---