[\*] Start mutation process:

- targets: source\_to\_mutate

- tests: test\_generated\_mutants

[\*] 16 tests passed:

- test\_generated\_mutants [0.08067 s]

[\*] Start mutants generation and execution:

- [# 1] AOD source\_to\_mutate: [0.11114 s] killed by test\_generated\_mutants.py::test\_negative\_numbers

- [# 2] AOD source\_to\_mutate: [0.08578 s] killed by test\_generated\_mutants.py::test\_negative\_numbers

- [# 3] AOR source\_to\_mutate: [0.05628 s] killed by test\_generated\_mutants.py::test\_negative\_numbers

- [# 4] AOR source\_to\_mutate: [0.08399 s] killed by test\_generated\_mutants.py::test\_negative\_numbers

- [# 5] AOR source\_to\_mutate: [0.06376 s] killed by test\_generated\_mutants.py::test\_negative\_numbers

- [# 6] AOR source\_to\_mutate: [0.06380 s] killed by test\_generated\_mutants.py::test\_negative\_numbers

- [# 7] AOR source\_to\_mutate: [0.07973 s] killed by test\_generated\_mutants.py::test\_negative\_numbers

- [# 8] AOR source\_to\_mutate: [0.06363 s] survived

- [# 9] AOR source\_to\_mutate: [0.08043 s] survived

- [# 10] AOR source\_to\_mutate: [0.06377 s] killed by test\_generated\_mutants.py::test\_negative\_and\_positive\_same\_digit\_sum

- [# 11] COI source\_to\_mutate: [0.07556 s] killed by test\_generated\_mutants.py::test\_single\_element

- [# 12] ROR source\_to\_mutate: [0.06299 s] killed by test\_generated\_mutants.py::test\_single\_element

- [# 13] ROR source\_to\_mutate: [0.07936 s] survived

[\*] Mutation score [1.09462 s]: 76.9%

- all: 13

- killed: 10 (76.9%)

- survived: 3 (23.1%)

- 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 8 0 0 0 100%

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

TOTAL 8 0 0 0 100%

--- Step 5: Final Results ---

[INFO] Test Coverage: 100%

[INFO] Mutation Score: 76.90%

--- Analysis Finished ---