[\*] Start mutation process:

- targets: source\_to\_mutate

- tests: test\_generated\_mutants

[\*] 23 tests passed:

- test\_generated\_mutants [0.10210 s]

[\*] Start mutants generation and execution:

- [# 1] ASR source\_to\_mutate: [0.09554 s] killed by test\_generated\_mutants.py::test\_nested\_brackets

- [# 2] ASR source\_to\_mutate: [0.08117 s] killed by test\_generated\_mutants.py::test\_nested\_with\_extra\_opening

- [# 3] COI source\_to\_mutate: [0.06306 s] killed by test\_generated\_mutants.py::test\_nested\_brackets

- [# 4] COI source\_to\_mutate: [0.07985 s] killed by test\_generated\_mutants.py::test\_nested\_brackets

- [# 5] LCR source\_to\_mutate: [0.07936 s] killed by test\_generated\_mutants.py::test\_single\_open\_bracket

- [# 6] ROR source\_to\_mutate: [0.06404 s] killed by test\_generated\_mutants.py::test\_nested\_brackets

- [# 7] ROR source\_to\_mutate: [0.08255 s] killed by test\_generated\_mutants.py::test\_nested\_brackets

- [# 8] ROR source\_to\_mutate: [0.08187 s] killed by test\_generated\_mutants.py::test\_single\_open\_bracket

- [# 9] ROR source\_to\_mutate: [0.06902 s] killed by test\_generated\_mutants.py::test\_nested\_brackets

- [# 10] ROR source\_to\_mutate: [0.08261 s] survived

- [# 11] ROR source\_to\_mutate: [0.05296 s] killed by test\_generated\_mutants.py::test\_empty\_string

- [# 12] ROR source\_to\_mutate: [0.06334 s] killed by test\_generated\_mutants.py::test\_nested\_brackets

[\*] Mutation score [1.06554 s]: 91.7%

- all: 12

- killed: 11 (91.7%)

- survived: 1 (8.3%)

- 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 16 0 8 0 100%

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

TOTAL 16 0 8 0 100%

--- Step 5: Final Results ---

[INFO] Test Coverage: 100%

[INFO] Mutation Score: 91.70%

--- Analysis Finished ---