[\*] Start mutation process:

- targets: source\_to\_mutate

- tests: test\_generated\_mutants

[\*] 11 tests passed:

- test\_generated\_mutants [1.03943 s]

[\*] Start mutants generation and execution:

- [# 1] CRP source\_to\_mutate: [0.36371 s] killed by test\_generated\_mutants.py::test\_single\_whole\_note

- [# 2] CRP source\_to\_mutate: [0.18386 s] killed by test\_generated\_mutants.py::test\_single\_whole\_note

- [# 3] CRP source\_to\_mutate: [0.20171 s] killed by test\_generated\_mutants.py::test\_single\_half\_note

- [# 4] CRP source\_to\_mutate: [0.18211 s] killed by test\_generated\_mutants.py::test\_single\_half\_note

- [# 5] CRP source\_to\_mutate: [0.17486 s] killed by test\_generated\_mutants.py::test\_single\_quarter\_note

- [# 6] CRP source\_to\_mutate: [0.18187 s] killed by test\_generated\_mutants.py::test\_single\_quarter\_note

- [# 7] CRP source\_to\_mutate: [0.17182 s] killed by test\_generated\_mutants.py::test\_single\_whole\_note

- [# 8] CRP source\_to\_mutate: [0.18164 s] killed by test\_generated\_mutants.py::test\_single\_half\_note

- [# 9] CRP source\_to\_mutate: [0.18199 s] killed by test\_generated\_mutants.py::test\_single\_quarter\_note

- [# 10] CRP source\_to\_mutate: [0.17749 s] killed by test\_generated\_mutants.py::test\_multiple\_notes

- [# 11] CRP source\_to\_mutate: [0.17963 s] killed by test\_generated\_mutants.py::test\_empty\_string

[\*] Mutation score [3.26805 s]: 100.0%

- all: 11

- killed: 11 (100.0%)

- survived: 0 (0.0%)

- 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 0 0 100%

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

TOTAL 4 0 0 0 100%

--- Step 5: Final Results ---

[INFO] Test Coverage: 100%

[INFO] Mutation Score: 100.00%

--- Analysis Finished ---

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