[INFO] Running MutPy for target: mutation\_output\source\_to\_mutate.py, tests: mutation\_output\test\_generated\_mutants.py

[\*] Start mutation process:

- targets: source\_to\_mutate

- tests: test\_generated\_mutants

[\*] 13 tests passed:

- test\_generated\_mutants [1.06882 s]

[\*] Start mutants generation and execution:

- [# 1] AOR source\_to\_mutate: [0.33324 s] killed by test\_generated\_mutants.py::test\_encode\_shift\_single\_char

- [# 2] AOR source\_to\_mutate: [0.15984 s] killed by test\_generated\_mutants.py::test\_encode\_shift\_single\_char

- [# 3] AOR source\_to\_mutate: [0.17518 s] killed by test\_generated\_mutants.py::test\_encode\_shift\_single\_char

- [# 4] AOR source\_to\_mutate: [0.15397 s] killed by test\_generated\_mutants.py::test\_encode\_shift\_single\_char

- [# 5] AOR source\_to\_mutate: [0.15983 s] killed by test\_generated\_mutants.py::test\_decode\_shift\_single\_char

- [# 6] AOR source\_to\_mutate: [0.16312 s] killed by test\_generated\_mutants.py::test\_decode\_shift\_single\_char

- [# 7] AOR source\_to\_mutate: [0.14260 s] killed by test\_generated\_mutants.py::test\_decode\_shift\_multiple\_chars

- [# 8] AOR source\_to\_mutate: [0.17930 s] killed by test\_generated\_mutants.py::test\_decode\_shift\_single\_char

- [# 9] CRP source\_to\_mutate: [0.16640 s] killed by test\_generated\_mutants.py::test\_encode\_shift\_multiple\_chars

- [# 10] CRP source\_to\_mutate: [0.14987 s] killed by test\_generated\_mutants.py::test\_encode\_shift\_single\_char

- [# 11] CRP source\_to\_mutate: [0.16617 s] incompetent

- [# 12] CRP source\_to\_mutate: [0.14885 s] incompetent

- [# 13] CRP source\_to\_mutate: [0.15104 s] killed by test\_generated\_mutants.py::test\_encode\_shift\_wraparound

- [# 14] CRP source\_to\_mutate: [0.18131 s] incompetent

- [# 15] CRP source\_to\_mutate: [0.16024 s] incompetent

- [# 16] CRP source\_to\_mutate: [0.15075 s] killed by test\_generated\_mutants.py::test\_decode\_shift\_multiple\_chars

- [# 17] CRP source\_to\_mutate: [0.17983 s] killed by test\_generated\_mutants.py::test\_decode\_shift\_single\_char

- [# 18] CRP source\_to\_mutate: [0.15783 s] incompetent

- [# 19] CRP source\_to\_mutate: [0.16004 s] incompetent

- [# 20] CRP source\_to\_mutate: [0.15685 s] killed by test\_generated\_mutants.py::test\_decode\_shift\_wraparound

- [# 21] CRP source\_to\_mutate: [0.16956 s] incompetent

- [# 22] CRP source\_to\_mutate: [0.15360 s] incompetent

[\*] Mutation score [4.86543 s]: 100.0%

- all: 22

- killed: 14 (63.6%)

- survived: 0 (0.0%)

- incompetent: 8 (36.4%)

- 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 ---