[\*] 21 tests passed:

- test\_generated\_mutants [0.11902 s]

[\*] Start mutants generation and execution:

- [# 1] AOR source\_to\_mutate: [0.17902 s] killed by test\_generated\_mutants.py::test\_factorize\_8

- [# 2] AOR source\_to\_mutate: [0.08729 s] killed by test\_generated\_mutants.py::test\_factorize\_8

- [# 3] ASR source\_to\_mutate: [0.09129 s] survived

- [# 4] ASR source\_to\_mutate: [0.09556 s] killed by test\_generated\_mutants.py::test\_factorize\_8

- [# 5] ASR source\_to\_mutate: - [# 6] COI source\_to\_mutate: [0.22519 s] killed by test\_generated\_mutants.py::test\_factorize\_8

- [# 7] COI source\_to\_mutate: [0.08165 s] killed by test\_generated\_mutants.py::test\_factorize\_8

- [# 8] COI source\_to\_mutate: [0.08129 s] killed by test\_generated\_mutants.py::test\_factorize\_8

- [# 9] ROR source\_to\_mutate: [0.08014 s] killed by test\_generated\_mutants.py::test\_factorize\_8

- [# 10] ROR source\_to\_mutate: [0.08968 s] survived

- [# 11] ROR source\_to\_mutate: [0.08826 s] killed by test\_generated\_mutants.py::test\_factorize\_8

- [# 12] ROR source\_to\_mutate: [0.08989 s] killed by test\_generated\_mutants.py::test\_factorize\_25

- [# 13] ROR source\_to\_mutate: [0.09257 s] killed by test\_generated\_mutants.py::test\_factorize\_8

[\*] Mutation score [6.47000 s]: 84.6%

- all: 13

- killed: 10 (76.9%)

- survived: 2 (15.4%)

- incompetent: 0 (0.0%)

- timeout: 1 (7.7%)

[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 13 0 6 0 100%

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

TOTAL 13 0 6 0 100%

--- Step 5: Final Results ---

[INFO] Test Coverage: 100%

[INFO] Mutation Score: 84.60%

--- Analysis Finished ---

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