[\*] 14 tests passed:

- test\_generated\_mutants [0.09086 s]

[\*] Start mutants generation and execution:

- [# 1] AOR source\_to\_mutate: [0.11570 s] killed by test\_generated\_mutants.py::test\_list\_with\_multiple\_of\_4

- [# 2] AOR source\_to\_mutate: [0.06015 s] killed by test\_generated\_mutants.py::test\_list\_with\_one\_element\_index\_0

- [# 3] AOR source\_to\_mutate: [0.07907 s] killed by test\_generated\_mutants.py::test\_list\_with\_multiple\_of\_4

- [# 4] AOR source\_to\_mutate: [0.09021 s] survived

- [# 5] AOR source\_to\_mutate: [0.06891 s] killed by test\_generated\_mutants.py::test\_list\_with\_multiple\_of\_4

- [# 6] COI source\_to\_mutate: [0.07010 s] killed by test\_generated\_mutants.py::test\_list\_with\_one\_element\_index\_not\_0

- [# 7] COI source\_to\_mutate: [0.06773 s] killed by test\_generated\_mutants.py::test\_list\_with\_one\_element\_index\_not\_0

- [# 8] LCR source\_to\_mutate: [0.06306 s] killed by test\_generated\_mutants.py::test\_list\_with\_one\_element\_index\_not\_0

- [# 9] ROR source\_to\_mutate: [0.06366 s] killed by test\_generated\_mutants.py::test\_list\_with\_one\_element\_index\_not\_0

- [# 10] ROR source\_to\_mutate: [0.07981 s] killed by test\_generated\_mutants.py::test\_list\_with\_one\_element\_index\_not\_0

- [# 11] ROR source\_to\_mutate: [0.07117 s] killed by test\_generated\_mutants.py::test\_list\_with\_multiple\_of\_4

[\*] Mutation score [0.95564 s]: 90.9%

- all: 11

- killed: 10 (90.9%)

- survived: 1 (9.1%)

- 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 9 0 6 0 100%

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

TOTAL 9 0 6 0 100%

--- Step 5: Final Results ---

[INFO] Test Coverage: 100%

[INFO] Mutation Score: 90.90%

--- Analysis Finished ---