[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

[\*] 16 tests passed:

- test\_generated\_mutants [1.01761 s]

[\*] Start mutants generation and execution:

- [# 1] AOR source\_to\_mutate: [0.18203 s] survived

- [# 2] AOR source\_to\_mutate: [0.17149 s] survived

- [# 3] AOR source\_to\_mutate: [0.20379 s] survived

- [# 4] AOR source\_to\_mutate: [0.16190 s] survived

- [# 5] AOR source\_to\_mutate: [0.35905 s] killed by test\_generated\_mutants.py::test\_minPath\_grid\_with\_1\_at\_center

- [# 6] AOR source\_to\_mutate: [0.18059 s] survived

- [# 7] AOR source\_to\_mutate: [0.19526 s] survived

- [# 8] AOR source\_to\_mutate: [0.20850 s] killed by test\_generated\_mutants.py::test\_minPath\_grid\_with\_1\_at\_edge

- [# 9] AOR source\_to\_mutate: [0.17900 s] survived

- [# 10] AOR source\_to\_mutate: [0.16268 s] killed by test\_generated\_mutants.py::test\_minPath\_example1

- [# 11] AOR source\_to\_mutate: [0.17712 s] killed by test\_generated\_mutants.py::test\_minPath\_example1

- [# 12] COI source\_to\_mutate: [0.15199 s] killed by test\_generated\_mutants.py::test\_minPath\_example1

- [# 13] COI source\_to\_mutate: [0.16827 s] killed by test\_generated\_mutants.py::test\_minPath\_grid\_with\_1\_at\_center

- [# 14] COI source\_to\_mutate: [0.17430 s] survived

- [# 15] COI source\_to\_mutate: [0.18022 s] killed by test\_generated\_mutants.py::test\_minPath\_grid\_with\_1\_at\_edge

- [# 16] COI source\_to\_mutate: [0.16539 s] killed by test\_generated\_mutants.py::test\_minPath\_example1

- [# 17] COI source\_to\_mutate: [0.17177 s] killed by test\_generated\_mutants.py::test\_minPath\_example1

- [# 18] CRP source\_to\_mutate: [0.17665 s] survived

- [# 19] CRP source\_to\_mutate: [0.16469 s] killed by test\_generated\_mutants.py::test\_minPath\_example1

- [# 20] CRP source\_to\_mutate: [0.16667 s] killed by test\_generated\_mutants.py::test\_minPath\_grid\_with\_1\_at\_center

- [# 21] CRP source\_to\_mutate: [0.21575 s] killed by test\_generated\_mutants.py::test\_minPath\_grid\_with\_1\_at\_center

- [# 22] CRP source\_to\_mutate: [0.17433 s] survived

- [# 23] CRP source\_to\_mutate: [0.17755 s] survived

- [# 24] CRP source\_to\_mutate: [0.17947 s] survived

- [# 25] CRP source\_to\_mutate: [0.16560 s] killed by test\_generated\_mutants.py::test\_minPath\_example2

- [# 26] CRP source\_to\_mutate: [0.17739 s] killed by test\_generated\_mutants.py::test\_minPath\_k\_2

- [# 27] CRP source\_to\_mutate: [0.17163 s] killed by test\_generated\_mutants.py::test\_minPath\_example1

- [# 28] CRP source\_to\_mutate: [0.17439 s] killed by test\_generated\_mutants.py::test\_minPath\_example1

- [# 29] CRP source\_to\_mutate: [0.15497 s] killed by test\_generated\_mutants.py::test\_minPath\_example1

- [# 30] CRP source\_to\_mutate: [0.18627 s] killed by test\_generated\_mutants.py::test\_minPath\_example1

- [# 31] ROR source\_to\_mutate: [0.16284 s] killed by test\_generated\_mutants.py::test\_minPath\_example1

- [# 32] ROR source\_to\_mutate: [0.17411 s] killed by test\_generated\_mutants.py::test\_minPath\_grid\_with\_1\_at\_center

- [# 33] ROR source\_to\_mutate: [0.16389 s] survived

- [# 34] ROR source\_to\_mutate: [0.18472 s] killed by test\_generated\_mutants.py::test\_minPath\_grid\_with\_1\_at\_edge

- [# 35] ROR source\_to\_mutate: [0.16765 s] killed by test\_generated\_mutants.py::test\_minPath\_example1

- [# 36] ROR source\_to\_mutate: [0.16354 s] killed by test\_generated\_mutants.py::test\_minPath\_example1

[\*] Mutation score [7.70581 s]: 63.9%

- all: 36

- killed: 23 (63.9%)

- survived: 13 (36.1%)

- 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 22 0 18 2 95% 43->46, 46->49

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

TOTAL 22 0 18 2 95%

--- Step 5: Final Results ---

[INFO] Test Coverage: 95%

[INFO] Mutation Score: 63.90%

--- Analysis Finished ---