Step 5: Running mutation testing with MutPy (Attempt 2) ---

[INFO] Running MutPy for target: mutation\_output\selected\_functions.py, tests: mutation\_output\test\_generated\_mutants.py

[\*] Start mutation process:

- targets: selected\_functions

- tests: test\_generated\_mutants

[\*] 6 tests passed:

- test\_generated\_mutants [13.92883 s]

[\*] Start mutants generation and execution:

- [# 1] AOD selected\_functions: [1.78942 s] killed by test\_generated\_mutants.py::test\_move\_down

- [# 2] AOD selected\_functions: [1.60734 s] killed by test\_generated\_mutants.py::test\_move\_down

- [# 3] AOD selected\_functions: [1.54843 s] killed by test\_generated\_mutants.py::test\_move\_down

- [# 4] AOD selected\_functions: [1.58139 s] killed by test\_generated\_mutants.py::test\_move\_down

- [# 5] AOR selected\_functions: [1.56370 s] killed by test\_generated\_mutants.py::test\_move\_down

- [# 6] AOR selected\_functions: [1.59119 s] killed by test\_generated\_mutants.py::test\_move\_down

- [# 7] AOR selected\_functions: [1.65817 s] killed by test\_generated\_mutants.py::test\_move\_down

- [# 8] AOR selected\_functions: [1.57958 s] killed by test\_generated\_mutants.py::test\_move\_down

- [# 9] AOR selected\_functions: [1.62634 s] killed by test\_generated\_mutants.py::test\_move\_down

- [# 10] AOR selected\_functions: [1.58306 s] killed by test\_generated\_mutants.py::test\_move\_down

- [# 11] AOR selected\_functions: [1.52022 s] killed by test\_generated\_mutants.py::test\_move\_down

- [# 12] AOR selected\_functions: [1.56112 s] killed by test\_generated\_mutants.py::test\_move\_down

- [# 13] AOR selected\_functions: [1.57237 s] killed by test\_generated\_mutants.py::test\_move\_down

- [# 14] AOR selected\_functions: [1.62779 s] killed by test\_generated\_mutants.py::test\_move\_down

- [# 15] AOR selected\_functions: [1.60364 s] killed by test\_generated\_mutants.py::test\_move\_down

- [# 16] AOR selected\_functions: [1.57582 s] killed by test\_generated\_mutants.py::test\_move\_down

- [# 17] AOR selected\_functions: [1.58544 s] killed by test\_generated\_mutants.py::test\_move\_down

- [# 18] AOR selected\_functions: [1.54878 s] killed by test\_generated\_mutants.py::test\_move\_down

- [# 19] AOR selected\_functions: [1.62504 s] killed by test\_generated\_mutants.py::test\_move\_down

- [# 20] AOR selected\_functions: [1.56611 s] killed by test\_generated\_mutants.py::test\_move\_down

- [# 21] AOR selected\_functions: [1.58643 s] killed by test\_generated\_mutants.py::test\_move\_down

- [# 22] AOR selected\_functions: [1.56216 s] killed by test\_generated\_mutants.py::test\_move\_down

- [# 23] AOR selected\_functions: [1.57993 s] killed by test\_generated\_mutants.py::test\_move\_down

- [# 24] AOR selected\_functions: [1.59860 s] killed by test\_generated\_mutants.py::test\_move\_down

- [# 25] AOR selected\_functions: [1.57163 s] killed by test\_generated\_mutants.py::test\_move\_down

- [# 26] BCR selected\_functions: [1.58933 s] killed by test\_generated\_mutants.py::test\_move\_down

- [# 27] COI selected\_functions: [1.57324 s] killed by test\_generated\_mutants.py::test\_move\_down

- [# 28] COI selected\_functions: [1.63659 s] killed by test\_generated\_mutants.py::test\_move\_down

- [# 29] COI selected\_functions: [1.57740 s] killed by test\_generated\_mutants.py::test\_move\_down

- [# 30] COI selected\_functions: [1.57798 s] killed by test\_generated\_mutants.py::test\_move\_down

- [# 31] COI selected\_functions: [1.58236 s] killed by test\_generated\_mutants.py::test\_move\_down

- [# 32] COI selected\_functions: [1.56790 s] killed by test\_generated\_mutants.py::test\_move\_down

- [# 33] COI selected\_functions: [1.67489 s] killed by test\_generated\_mutants.py::test\_move\_down

- [# 34] COI selected\_functions: [1.70786 s] killed by test\_generated\_mutants.py::test\_move\_down

- [# 35] LCR selected\_functions: [1.56879 s] killed by test\_generated\_mutants.py::test\_move\_down

- [# 36] LCR selected\_functions: [1.59001 s] killed by test\_generated\_mutants.py::test\_move\_down

- [# 37] LCR selected\_functions: [1.60169 s] killed by test\_generated\_mutants.py::test\_move\_down

- [# 38] LCR selected\_functions: [1.74277 s] killed by test\_generated\_mutants.py::test\_move\_down

- [# 39] LCR selected\_functions: [1.55924 s] killed by test\_generated\_mutants.py::test\_move\_down

- [# 40] ROR selected\_functions: [1.64018 s] killed by test\_generated\_mutants.py::test\_move\_down

- [# 41] ROR selected\_functions: [1.70000 s] killed by test\_generated\_mutants.py::test\_move\_down

- [# 42] ROR selected\_functions: [1.60318 s] killed by test\_generated\_mutants.py::test\_move\_down

- [# 43] ROR selected\_functions: [1.53246 s] killed by test\_generated\_mutants.py::test\_move\_down

- [# 44] ROR selected\_functions: [1.63974 s] killed by test\_generated\_mutants.py::test\_move\_down

- [# 45] ROR selected\_functions: [1.62113 s] killed by test\_generated\_mutants.py::test\_move\_down

- [# 46] ROR selected\_functions: [1.58113 s] killed by test\_generated\_mutants.py::test\_move\_down

- [# 47] ROR selected\_functions: [1.66662 s] killed by test\_generated\_mutants.py::test\_move\_down

- [# 48] ROR selected\_functions: [1.72985 s] killed by test\_generated\_mutants.py::test\_move\_down

- [# 49] ROR selected\_functions: [1.65754 s] killed by test\_generated\_mutants.py::test\_move\_down

- [# 50] ROR selected\_functions: [1.58105 s] killed by test\_generated\_mutants.py::test\_move\_down

- [# 51] ROR selected\_functions: [1.58160 s] killed by test\_generated\_mutants.py::test\_move\_down

- [# 52] ROR selected\_functions: [1.69703 s] killed by test\_generated\_mutants.py::test\_move\_down

- [# 53] ROR selected\_functions: [1.58837 s] killed by test\_generated\_mutants.py::test\_move\_down

- [# 54] ROR selected\_functions: [1.55813 s] killed by test\_generated\_mutants.py::test\_move\_down

- [# 55] ROR selected\_functions: [1.58705 s] killed by test\_generated\_mutants.py::test\_move\_down

- [# 56] ROR selected\_functions: [1.65102 s] killed by test\_generated\_mutants.py::test\_move\_down

- [# 57] ROR selected\_functions: [1.70744 s] killed by test\_generated\_mutants.py::test\_move\_down

[\*] Mutation score [110.36694 s]: 100.0%

- all: 57

- killed: 57 (100.0%)

- survived: 0 (0.0%)

- incompetent: 0 (0.0%)

- timeout: 0 (0.0%)

[SUCCESS] Tests passed on attempt 2! Mutation score: 100.0%

[INFO] Code saved to: mutation\_output\test\_generated\_mutants.py

[INFO] Saved final version of test code to: mutation\_output\test\_generated\_mutants.py

--- Analysis Complete ---

- Input file: E:\Mutation Analyzer (final)\Caterpillar.py

- Selected functions for testing: display\_score, move\_down, move\_left, move\_right, move\_up, outside\_window, place\_leaf, start\_game

- Final test file: mutation\_output\test\_generated\_mutants.py

- Final Status: SUCCESS

- Final Mutation Score: 100.00%

--- Analysis Complete ---

- Input file: E:\Mutation Analyzer (final)\Caterpillar.py

- Selected functions for testing: display\_score, move\_down, move\_left, move\_right, move\_up, outside\_window, place\_leaf, start\_game

- Final test file: mutation\_output\test\_generated\_mutants.py

- Final Status: SUCCESS

--- Analysis Complete ---

- Input file: E:\Mutation Analyzer (final)\Caterpillar.py

- Selected functions for testing: display\_score, move\_down, move\_left, move\_right, move\_up, outside\_window, place\_leaf, start\_game

- Final test file: mutation\_output\test\_generated\_mutants.py

--- Analysis Complete ---

- Input file: E:\Mutation Analyzer (final)\Caterpillar.py

- Selected functions for testing: display\_score, move\_down, move\_left, move\_right, move\_up, outside\_window, place\_leaf, start\_game

- Final test file: mutation\_output\test\_generated\_mutants.py

- Final Status: SUCCESS

--- Analysis Complete ---

- Input file: E:\Mutation Analyzer (final)\Caterpillar.py

- Selected functions for testing: display\_score, move\_down, move\_left, move\_right, move\_up, outside\_window, place\_leaf, start\_game

--- Analysis Complete ---

- Input file: E:\Mutation Analyzer (final)\Caterpillar.py

- Selected functions for testing: display\_score, move\_down, move\_left, move\_right, move\_up, outside\_window, place\_leaf, start\_game

- Final test file: mutation\_output\test\_generated\_mutants.py

- Final Status: SUCCESS

- Final Mutation Score: 100.00%

--- Analysis Complete ---

- Input file: E:\Mutation Analyzer (final)\Caterpillar.py

- Selected functions for testing: display\_score, move\_down, move\_left, move\_right, move\_up, outside\_window, place\_leaf, start\_game

- Final test file: mutation\_output\test\_generated\_mutants.py

- Final Status: SUCCESS

--- Analysis Complete ---

- Input file: E:\Mutation Analyzer (final)\Caterpillar.py

- Selected functions for testing: display\_score, move\_down, move\_left, move\_right, move\_up, outside\_window, place\_leaf, start\_game

- Final test file: mutation\_output\test\_generated\_mutants.py

--- Analysis Complete ---

- Input file: E:\Mutation Analyzer (final)\Caterpillar.py

- Selected functions for testing: display\_score, move\_down, move\_left, move\_right, move\_up, outside\_window, pl

--- Analysis Complete ---

- Input file: E:\Mutation Analyzer (final)\Caterpillar.py

--- Analysis Complete ---

--- Analysis Complete ---

- Input file: E:\Mutation Analyzer (final)\Caterpillar.py

- Selected functions for testing: display\_score, move\_down, move\_left, move\_right, move\_up, outside\_window, pl

--- Analysis Complete ---

- Input file: E:\Mutation Analyzer (final)\Caterpillar.py

- Selected functions for testing: display\_score, move\_down, move\_left, move\_right, move\_up, outside\_window, place\_leaf, start\_game

- Final test file: mutation\_output\test\_generated\_mutants.py

--- Analysis Complete ---

- Input file: E:\Mutation Analyzer (final)\Caterpillar.py

- Selected functions for testing: display\_score, move\_down, move\_left, move\_right, move\_up, outside\_window, place\_leaf, start\_game

- Final test file: mutation\_output\test\_generated\_mutants.py

- Selected functions for testing: display\_score, move\_down, move\_left, move\_right, move\_up, outside\_window, place\_leaf, start\_game

- Final test file: mutation\_output\test\_generated\_mutants.py

- Final Status: SUCCESS

- Final Mutation Score: 100.00%