Experiments to understand consistency of repairs by chatGPT.

Settings: With bug location but w/o fix comments

Prompt:

"Consider the following Alloy specification and its inline comments. There is a bug in this specification. Please find the bug and fix it. only provide the entire fixed code without any additional explanation. Do not provide partial solutions."

Spec	Test Run 1	Test Run 2	Test Run 3	Test Run 4	Test Run 5	Test Run 6	Test Run 7	Test Run 8	Test Run 9	Test Run 10
	Counterexample found	Counter example found	Counter example found	Counter example found	Counterexa mple found	Counter example found	Syntax error	Type error	Syntax error	Counterexampl e found
addr1	Counterexample									
arr1	found	No Counterexample found	Syntax error	Syntax error	Counter example found	Counter example found	Syntax error	Syntax error	Type error	Counterexampl e found
Balanced BST1	Syntax error	Syntax error	Syntax error	Syntax error	Syntax error	Syntax error	Syntax error	Syntax error	Syntax error	Syntax error
Bempl1	Counterexample found	Counterexample found	Counterexampl e found	Counterex ample found	Type error	Counterexample found	Syntax error	Counter example found	Counterex ample found	Counterexampl e found

Cd1_1	Syntax error	Syntax error	Syntax error	Syntax error	Syntax error	Syntax error	Syntax error	Syntax error	Syntax error	Syntax error
Cv_inv _1_1	Syntax error	Type error	Syntax error	Type error	Type error	Type error	Syntax error	Type error	Syntax error	Counterexampl e found
Graphic_ acyclic_1	Type error	Syntax error	Syntax error	Syntax error	Syntax error	No Counterexample found	No Counterexa mple found	No Counter example found	No Counterex ample found	Type error
Its_inv_ 1_01	Syntax error	Counterexample found	Syntax error	Counterex ample found	Counterexa mple found	Type error	No Counterexa mple found	Counter example found	Syntax error	No Counterexampl e found
Production Inv1_1	Syntax error	No Counterexample found	No Counterexampl e found	Type error	No Counterexa mple found	Type error	No Counterexa mple found	Counter example found	Syntax error	No Counterexampl e found
Student_inv _2_1	No Counterexample found	No Counterexample found	Type error	No Counterex ample found	Counterexa mple found	No Counterexample found	No Counterexa mple found	Counter example found	No Counterex ample found	No Counterexampl e found
Trash_inv _1_1	Type error	Syntax error	Syntax error	Syntax error	Syntax error	Type error	Syntax error	Syntax error	Syntax error	Syntax error