

Dataset	Method	F1-Score	Fitness	Precision	Generalization	Simplicity
Long Dependency	Alpha	0.889	1.000	0.800	0.334	0.818
	Heuristic	0.889	1.000	0.800	0.334	0.818
	Inductive	0.889	1.000	0.800	0.334	0.818
	GNN Miner	0.843	0.890	0.800	0.352	0.714
	AAU Miner	0.444	0.500	0.400	0.334	0.538
Loop Length 1	Alpha	0.755	1.000	0.606	0.504	1.000
	Heuristic	0.909	1.000	0.833	0.526	1.000
	Inductive	0.909	1.000	0.833	0.526	1.000
	GNN Miner	0.909	1.000	0.833	0.492	1.000
	AAU Miner	0.333	0.333	0.333	0.504	0.714
Loop Length 2	Alpha	0.667	0.800	0.571	0.507	1.000
	Heuristic	0.979	1.000	0.958	0.490	1.000
	Inductive	0.979	1.000	0.958	0.490	1.000
	GNN Miner	0.979	1.000	0.958	0.471	1.000
	AAU Miner	0.267	0.286	0.250	0.507	0.600
Overleaf Example	Alpha	0.764	0.846	0.696	0.304	1.000
	Heuristic	0.917	0.947	0.889	0.257	0.765
	Inductive	0.941	1.000	0.889	0.315	0.800
	GNN Miner	0.668	0.594	0.765	0.273	0.882
	AAU Miner	0.324	0.462	0.250	0.304	0.600
Simple AND Split	Alpha	1.000	1.000	1.000	0.293	1.000
	Heuristic	1.000	1.000	1.000	0.293	1.000
	Inductive	1.000	1.000	1.000	0.293	1.000
	GNN Miner	1.000	1.000	1.000	0.293	1.000
	AAU Miner	0.308	0.400	0.250	0.293	0.600
Simple Sequence	Alpha	1.000	1.000	1.000	0.293	1.000
	Heuristic	1.000	1.000	1.000	0.293	1.000
	Inductive	1.000	1.000	1.000	0.293	1.000
	AAU Miner	0.400	0.500	0.333	0.293	0.714
Simple XOR Split	Alpha	1.000	1.000	1.000	0.098	1.000
	Heuristic	1.000	1.000	1.000	0.098	1.000
	Inductive	1.000	1.000	1.000	0.098	1.000
	GNN Miner	0.947	0.900	1.000	0.117	0.846
	AAU Miner	0.444	0.667	0.333	0.098	0.714