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Infers the structure of an unknown DFA by - membership queries - equivalence queries Observation table (S,E,T) T: (S U S· Σ)·E \rightarrow {0, 1} Constructs a minimal DFA using a polynomial number of queries $O(\Sigma n^2 + n \log m)$ member at most n-1 equivalence	<pre>S := {ε}; // states of DFA E := {ε}; // distinguishing expts repeat: Update T; // member tests for (S U S·Σ)·E MakeTClosed(S,E,T); C := MakeConjecture(S,E,T); if !(c=IsEquiv(C)) then return C; else{ e = FindSuffix(c); Add e to E; } }</pre>









