Resource-Constrained Analysis Timeout vs Convergence Performance CNN Resource-Constrained Performance **FCNN** GRU Resource-Constrained Performance Resource-Constrained Performance Moderate Moderate Moderate 1.0 1.0 1.0 Aggressive Aggressive Aggressive Conservative Conservative Conservative VeryAggressive VeryAggressive VeryAggressive Standard Standard Standard 8.0 8.0 0.8 Performance at Timeout 0 0 0 Performance at Timeout 0 0 9 Performance at Timeout 0 0 5 0.2 0.2 0.2 0.0 0.0 0.0 -0.4 0.6 8.0 1.0 0.2 0.4 0.6 0.8 0.2 0.4 0.6 0.8 0.0 0.2 0.0 1.0 0.0 1.0 Performance at Convergence Performance at Convergence Performance at Convergence LSTM Transformer Resource-Constrained Performance Resource-Constrained Performance Moderate Moderate 1.0 1.0 Aggressive Aggressive Conservative Conservative VeryAggressive VeryAggressive Standard Standard 0.8 8.0 Performance at Timeout 0 0 0 Performance at Timeout 0 0 9 0.2 0.2 0.0 0.0 0.2 0.4 0.6 8.0 1.0 0.0 0.2 0.4 0.6 8.0 1.0 Performance at Convergence Performance at Convergence