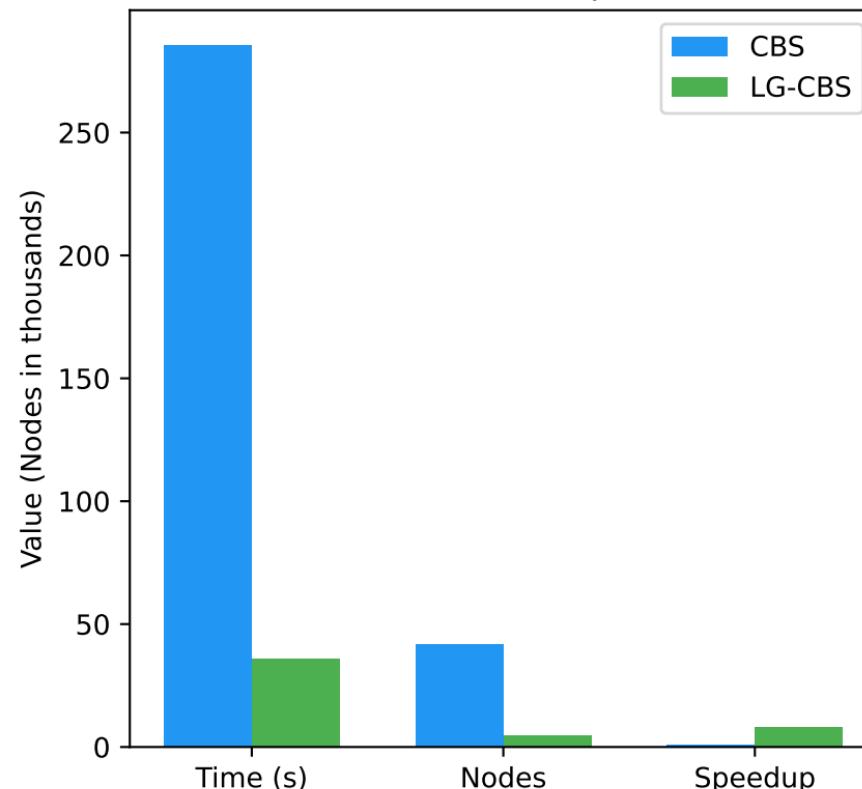


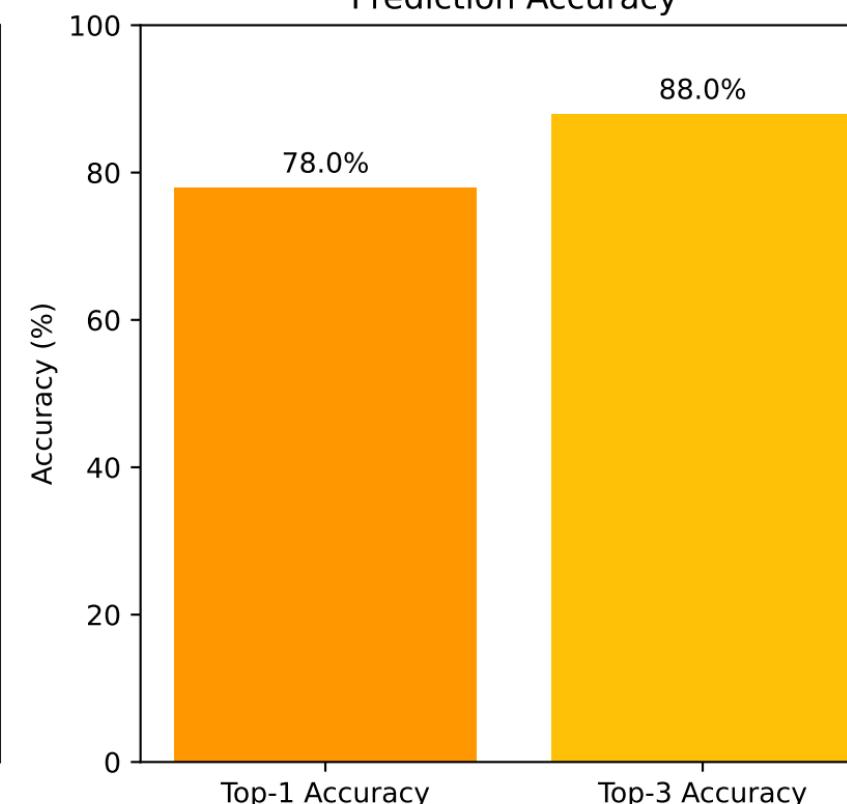
Case Study: High Density Scenario

Very dense agent configuration where nearly half of all cells are occupied. This...

Performance Comparison



Prediction Accuracy



High Density Scenario

Key Insights:

- Even in high-density scenarios, LG-CBS maintains high prediction accuracy
- The model learns to identify conflicts that cascade into larger conflict chains
- GNN message passing captures complex spatial dependencies
- 8× speedup enables solving previously intractable instances