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PFP Project Proposal - NQueens

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Project Overview

I will implement both parallel and sequential versions of the N-queens solver and compare their performance. The N-queens problem is finding the number of possible ways to place n queens on a n*n chessboard where they can't attack each other. In the sequential code, a simple search algorithm with pruning will be used as the baseline. Then I will optimize it with parallel strategies.

Expected Result

A report including:

1. A brief explanation about the original search algorithm
2. My method to impose parallelism
3. Performance comparison

Proposed Timeline

1. **[11/22 - 11/28]:** Implement sequential code
2. **[11/29 - 12/12]:** Implement parallel code and tuning
3. **[12/13 - 12/19]:** Write the report