EECS245 LAB4

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P1.

The deque has basically two 'exits'. The deque-based algorithm allows other worker thread to steal tasks from the top of other deque, and maintain the current tasks of other workers. They can still manipulate their work at bottom without being affected. The reason for working stealing is that it can explore the power of parallelism as needed, prevent execute the same task, alleviate the overhead.

P2. A parallel C++ code is attached and the following is the example:

**This program is to show number of solutions of N-Queens Problem

The chessboard will be NxN.Please enter the number of Queens(N)**

8

One solution is given by:

10000000

00001000

00000001

00000100

00100000

00000010

01000000

00010000

8 Queens Problem. Nice!

The number of solution is :92

CPU CLOCK TIME is 0.002463 seconds