**Goals: To sincronize threads using semaphores.**

**Suggested Reading:**

**Operating System Concepts by Abraham Silberschatz, Peter B. Galvin, Greg Gagne. Chapter 6: Process Syncronization.**

**Operating Systems by William Stallings. Chapter 5: Concurrency: Mutual Exclusion and Synchronization.**

**Activity:**

**Solve the co-routine approach for Conway's problem using semaphores (full description in "practical\_semaphores.pdf"). To do this:**

**Step 1: Understand co-routine solution.**

**Step 2: Modify code in order to address termination condition (this includes managing I/O). You may want to use fopen, fgets, puts and fclose for file I/O.**

**Step 3: Modify code as a set of three threads using semaphores. Implement the RESUME command with semaphores.**

**You can verify your program output with the provided files.**

**Remember to follow the Collaboration and Submission Policy.**