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CPSC 474 - Project 1: Lamport's Logical Clock

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# 474-Project-1
Project 1: Lamport's Logical Clock

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How to Run:

- 1. Extract project into folder
- 2. Navigate to project directory
- 3. Add input to file input.txt
- 4. Open terminal at project directory
- 5. Run command: g++ main.cpp
- 6. Run command: ./a.out
- 7. Results will be both displayed in terminal and output to file

NOTE: DO NOT HAVE AN EMPTY LINE AT THE BOTTOM OF THE INPUT FILE

<u>Calculate Algorithm Pseudocode:</u>

loop through input until all events are given a value in each iteration:

go through each element in array:

assign 0 if NULL

assign a number if an internal event or send event

try to assign correct number if we know the send number

when done, output results

Verify Algorithm Pseudocode:

Loop through input once to look for obvious issues and gaps (receives)

Find location of the sends (1 less than the receives)

Assign the sends and receives respective r and s values

Loop through input again to assign everything else as internal events

Output results

Snapshots



