1. 4 different sections thread are created and 1 control center thread is formed to synchronize train passing .
2. 9 different queues are created to manage train allocations to sections.
3. Control center thread takes and prints the current situation and changes the current state to next state. So the next change is effective in the next second.
4. To synchronize I put the queue size from A-C to D-F into an array and iterate through that array to find the maximum. If there are more than one maximum I take the first element.