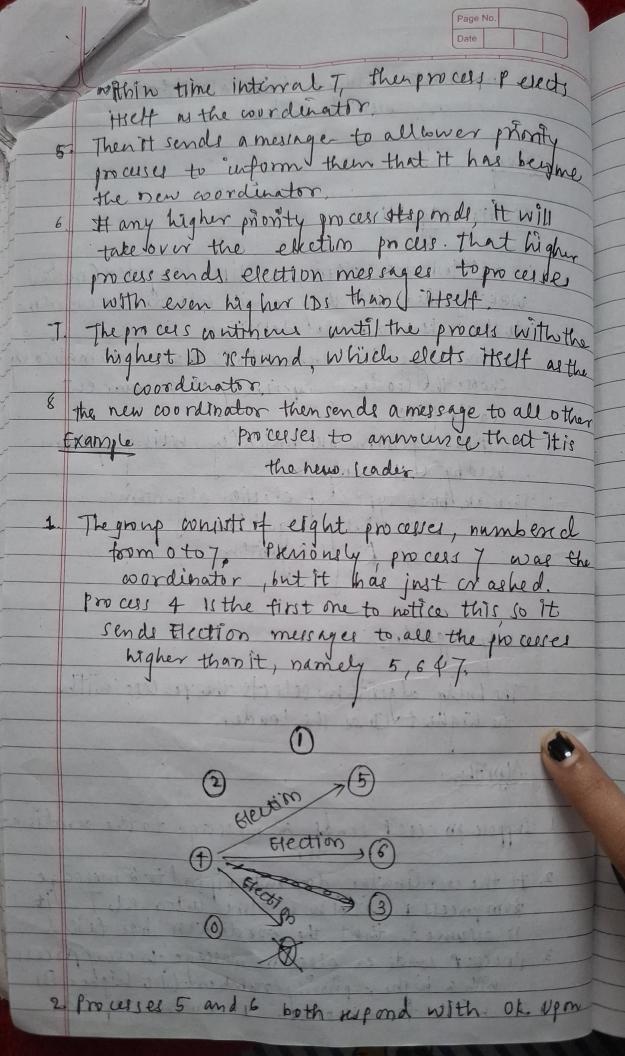
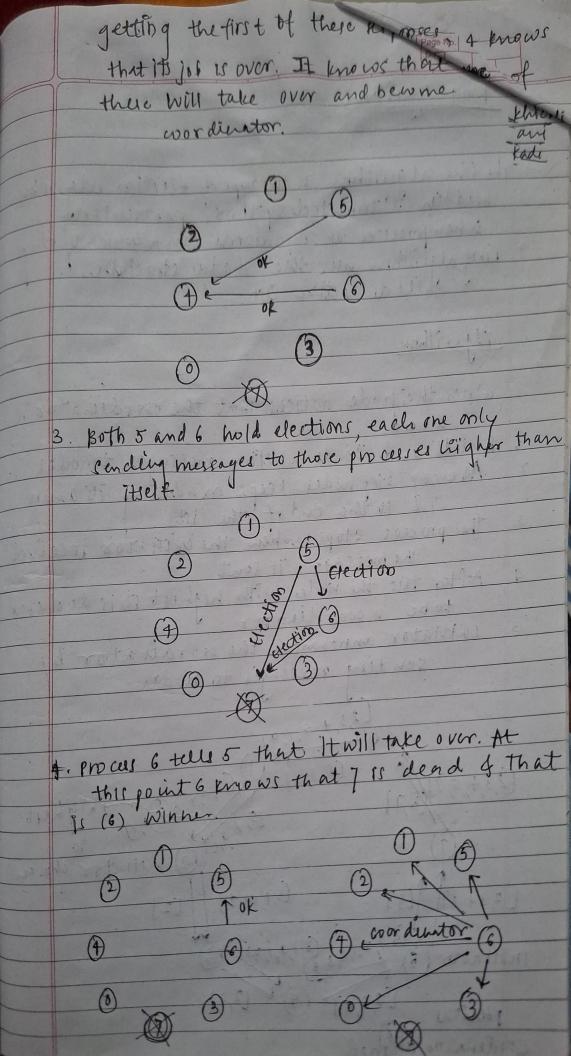
6. Implement a bully and ring algorithm, for election leaders Theory Flection Algorithm - In a distributed system, multiple computed (nodes) work together, but they requise a leader to coordinate the tasks and make decisions. Election algorithm are methods that automatically choose the ceader especially of the current Election algorithm are basically witing system used by the computers ] - There are towo types of election algorithm's Bully algorithm ( 2) Ring algnithm pully algorithm The bully algorithm selects the process with the highest ID as the leader. Algorithm 1. Suppose pu cess l'ends a message to the overdina-2. It the wordinator does not repond to a message from process & within a time when at I git is assumed that the coordinator has failed 3. Process P sende on election message to every process with a higher priority number (1.e higher D) 4 It waits for a suponed. It no me reigon de





Ring algorithm The ring algorithm is the type of election algorithm wed in distributed systems, particularly when processes as organized in a logical ring ling algorithm new title data structure called active list. Algorithm when the node notices that the coordinator is dead moderated Build and Sends election melsages tomodes At every etco nodes keeps on adding its own id to the end of the list. The process ctops when the cuiti ator received the message. It sent. After this, the mode with highest Dis de dard to be a coordinator witiator announces the coordinator by sending messages to nodes. (5,10) (23,430) Thighest (5,7,0,1) (2) mitiator chosen [33,4,5] [5] [5] [2] Inttintor (\$ 20,1,2,3 (3,1,0,1,2,3) Herion cordinator aromed