





Trouble 1 execute each step in while loop point same time issue syncronisation primitnees to avoid sync Claim: Algo Find root finishes in Proff & Show that the distance b/m a mode and noot reduces by a tactor of 2 in every iteration of while loop - maximum distance is n Grandperent in every loop 80 yes. Claim = Work = O(nlogn) In sequential = O(n) fine comp so, sub-optimal algo Teolble 2 = Inconsistent Upaldate So, in while loop either both statements should get executed for a given i

