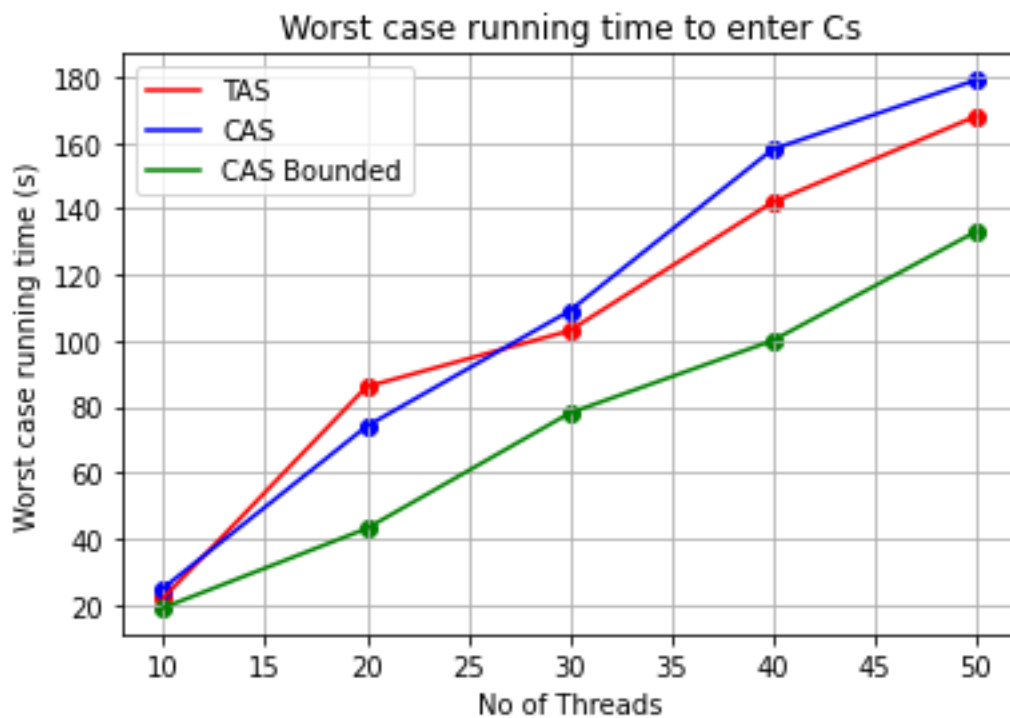
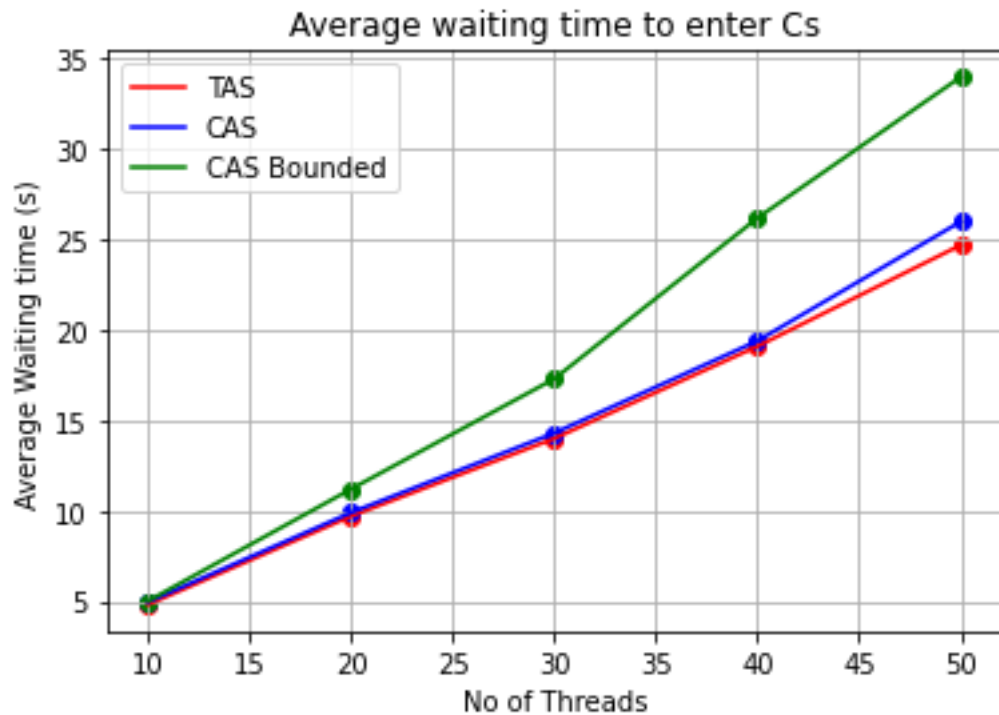


OS-Assignment-4(CS3523)

(Implementing TAS, CAS, Bounded waiting CAS Mutual Exclusion Algorithms)

Goal: The goal of this assignment is to implement TAS, CAS and Bounded Waiting with CAS mutual exclusion (ME) algorithms studied in the class. Implement these algorithms in C++.



From the above graphs we can say:-

- Average waiting time of CAS and TAS is almost equal.
- CAS average waiting time is slightly more than TAS because it takes more operations.
- Worst case time for CAS and TAS is also almost equal.

- CAS Bounded algorithm has less worst case waiting time compared to CAS and TAS as it gives every thread equal chance to enter into CS and thereby decreasing starvation and worst case waiting time. To compensate that average waiting time of the process will increase as compared to CAS and TAS.