

The other semaphores have permits=1 =) these postions are the critical sections, only I train is allowed on any of these.

*Track can only be switched when train is assently at a station and wishes to depart from it. Also Thus, there are 10 switches -> 2 at every station. * These are 16 signals as indicated with 's' in the above figure. The job of every signal is to check whether movement is possible and enables the train to take appropriate function action. claim: These won't be any deadlock in my proposed solution. -> suppose the a train is waiting at a station. Then, it may have to wait these since the tracks ahead bloothis station of the next station are contical section of thus may be busy. But this will eventually finish, since the tegins currently on will be able to (portion b/w stations) will be able to move forward since stations have semphore Thus the system won't be permanently stuck at a given point no deadlock