

1. Consider a scenario of a busy railway station with a single platform. Assume five trains are waiting outside the station for the platform. Train ID and train halting time are given below. Order of the trains is T1, T2, T3, T4 and T5.

Train ID	Arrival Time	Train Halting Time (in minutes)
T1	10.10 am	25
T2	10.45 am	10
T3	10.35 am	35
T4	10.55 am	15
T5	10.25 am	40

Calculate Average Waiting Time

(i) According to the Shortest remaining halting time first.

(ii) According to the longest remaining halting time first.

Show the sequence of allocation of platform to the trains for the above cases.