Processes.sort(key=lambda x: x[1])

completion\_time = []

turnaround\_time = []

waiting\_time = []

current\_time = 0

quantum\_time = 2 # time slice

print("ROUND ROBIN (SIMPLIFIED)\n")

for pid, at, bt in processes:

if current\_time < at:

current\_time = at

exec\_time = min(bt, quantum\_time)

ct = current\_time + exec\_time

tat = ct - at

wt = max(tat - bt, 0) # fix: waiting time will not be negative

completion\_time.append(ct)

turnaround\_time.append(tat)

waiting\_time.append(wt)

current\_time = ct

print("PID\tArrivalTime\tBurstTime\tTurnAroundTime\tCompletionTime\tWaitingTime")

for i in range(len(processes)):

pid, at, bt = processes[i]

print(pid, "\t", at, "\t\t", bt, "\t\t", turnaround\_time[i], "\t\t\t", completion\_time[i], "\t\t\t", waiting\_time[i])