Simulation assignment

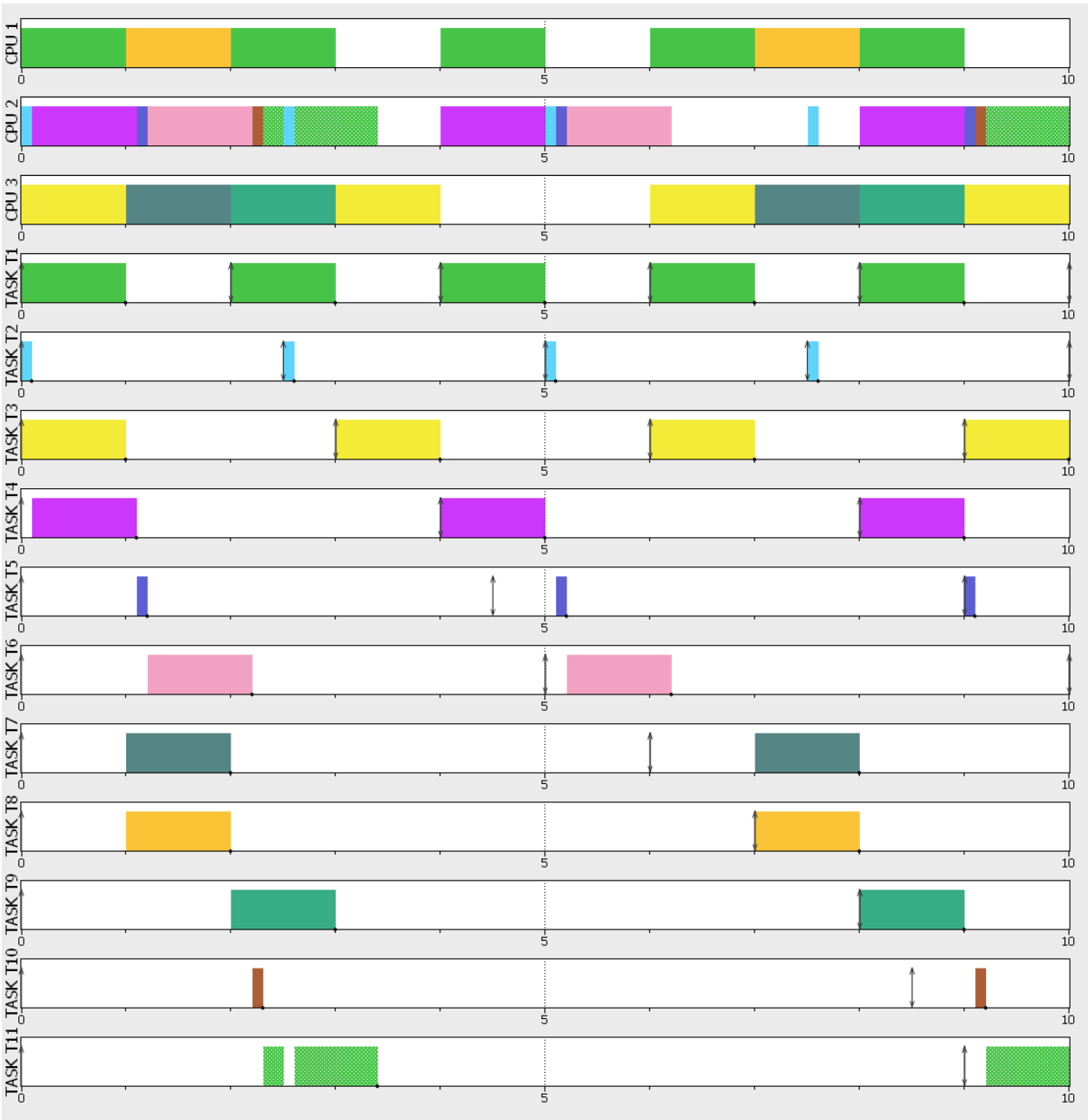# Programming assignment