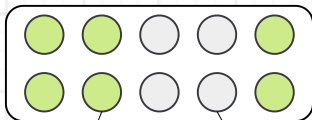


Applications

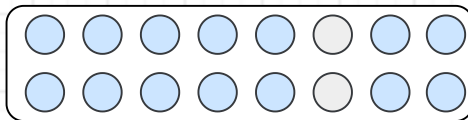
App. 1



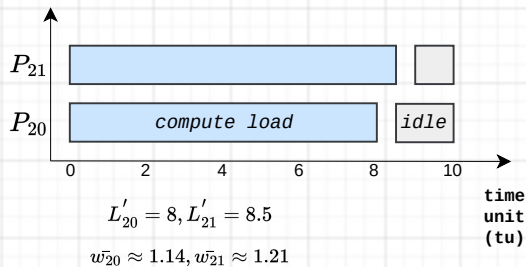
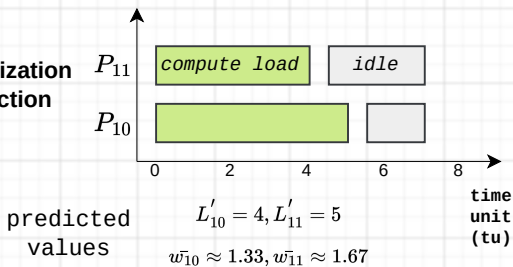
compute
task

IO/comm.
task

App. 2



Task Characterization & Load Prediction

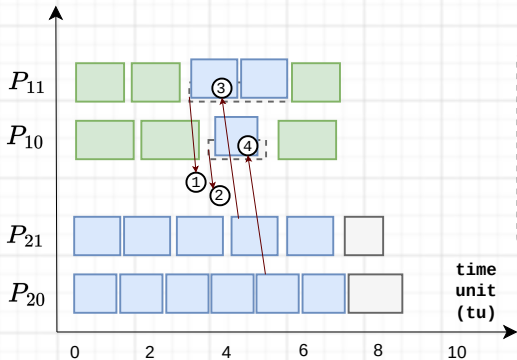


estimated
idle

$IDLE_{10} \approx 2.5$
 $IDLE_{11} \approx 1.5$

$IDLE_{20} \approx 1.5$
 $IDLE_{21} \approx 1.0$

Runtime & Coscheduling Tasks



- ① P_{11} distributes its idle status
- ② P_{10} distributes its idle status
- ③ P_{21} migrates 2 tasks to P_{11}
- ④ P_{20} migrates 1 tasks to P_{10}