

Scheduling of Cyber-Physical System Simulation

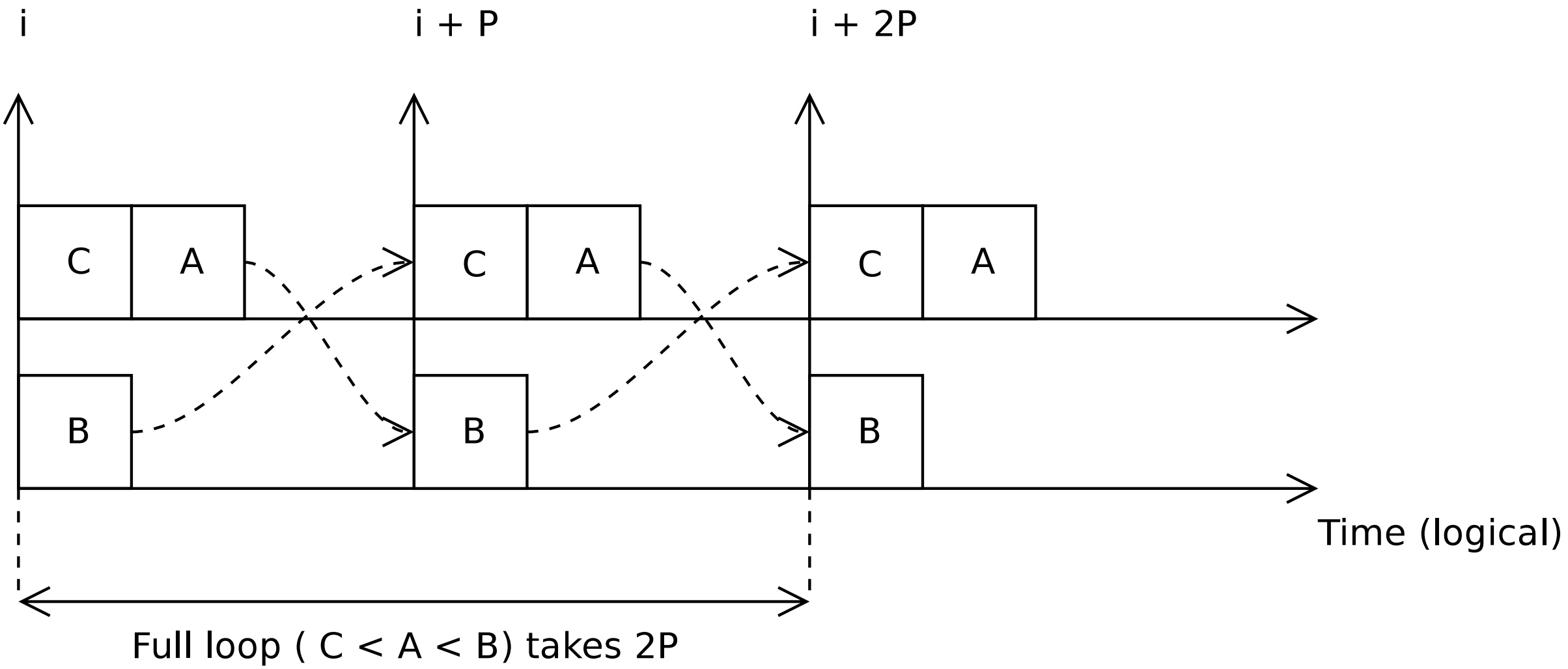
56

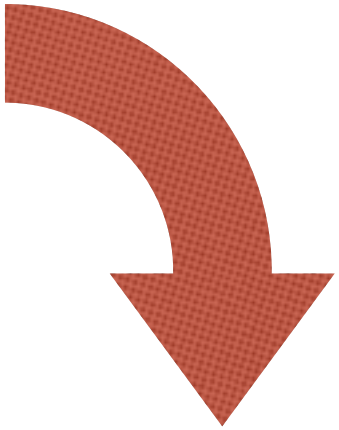


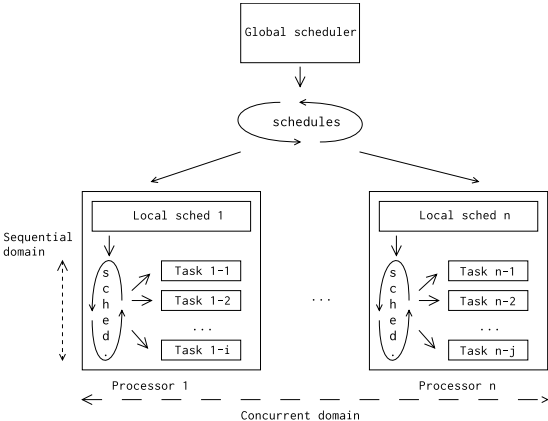
The allocation

Formalization of simulation scheduling

28







Logical latencies

| | | |
|-------------------|---|---|
| $A \rightarrow B$ | 1 | P |
| $A \rightarrow C$ | 2 | P |
| $B \rightarrow A$ | 1 | P |
| $B \rightarrow C$ | 1 | P |
| $C \rightarrow A$ | 0 | P |
| $C \rightarrow B$ | 1 | P |



A large vertical rectangle contains two smaller horizontal rectangles stacked vertically. The top rectangle is labeled 'C' and the bottom rectangle is labeled 'A'.

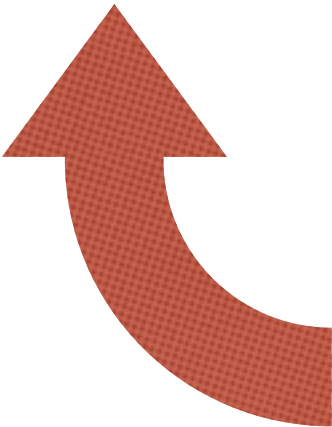
C

A



A large vertical rectangle contains a single smaller horizontal rectangle near the top, labeled 'B'.

B



Logical latencies

| | | |
|-------------------|---|---|
| $A \rightarrow B$ | 1 | P |
| $A \rightarrow C$ | 2 | P |
| $B \rightarrow A$ | 1 | P |
| $B \rightarrow C$ | 1 | P |
| $C \rightarrow A$ | 0 | P |
| $C \rightarrow B$ | 1 | P |

Requirements

29