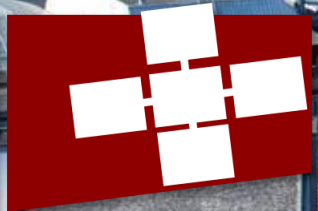
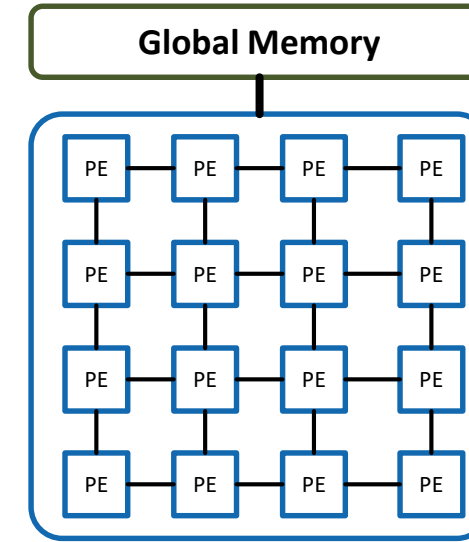
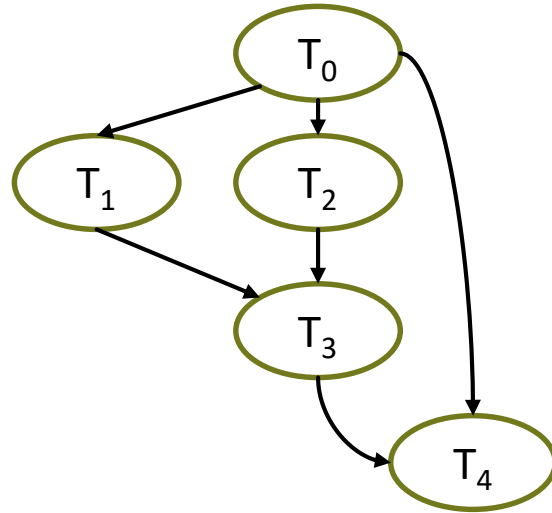


# ASA: Scheduling

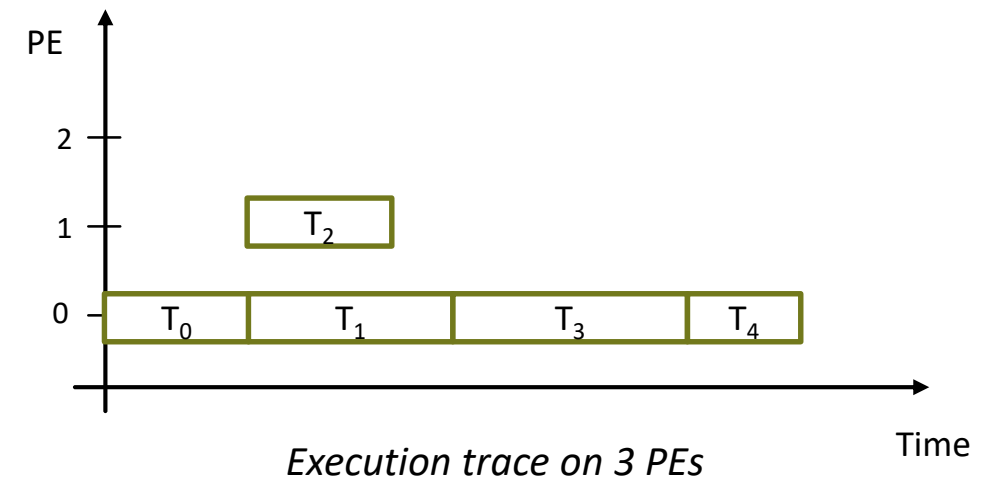




# Scheduling

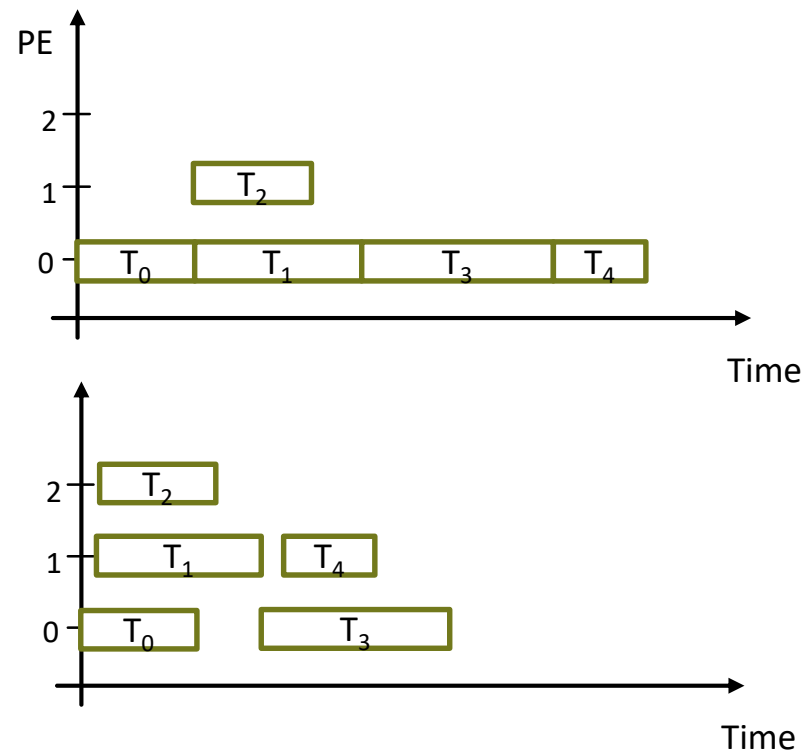
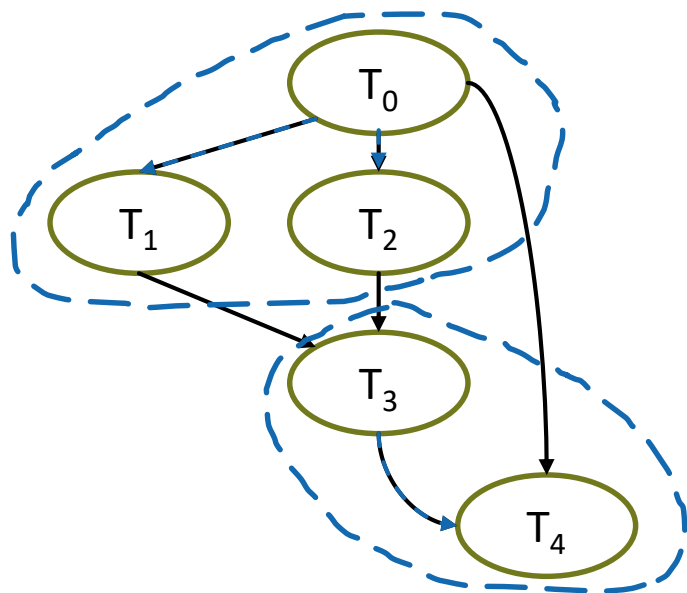


In traditional task scheduling, a task can start only when all the predecessors completed (compute-then-communicate)



# Streaming Scheduling

We want to enable **streaming communications** between tasks



**In this way we exploit spatial (pipeline) parallelism and reduce off-chip memory accesses**

Solving this adds complexity to an already complicated problem:

- We need to understand whether it is better to stream or not, by building **streaming blocks**
- We need to understand how to schedule these streaming blocks