

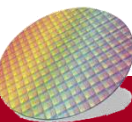


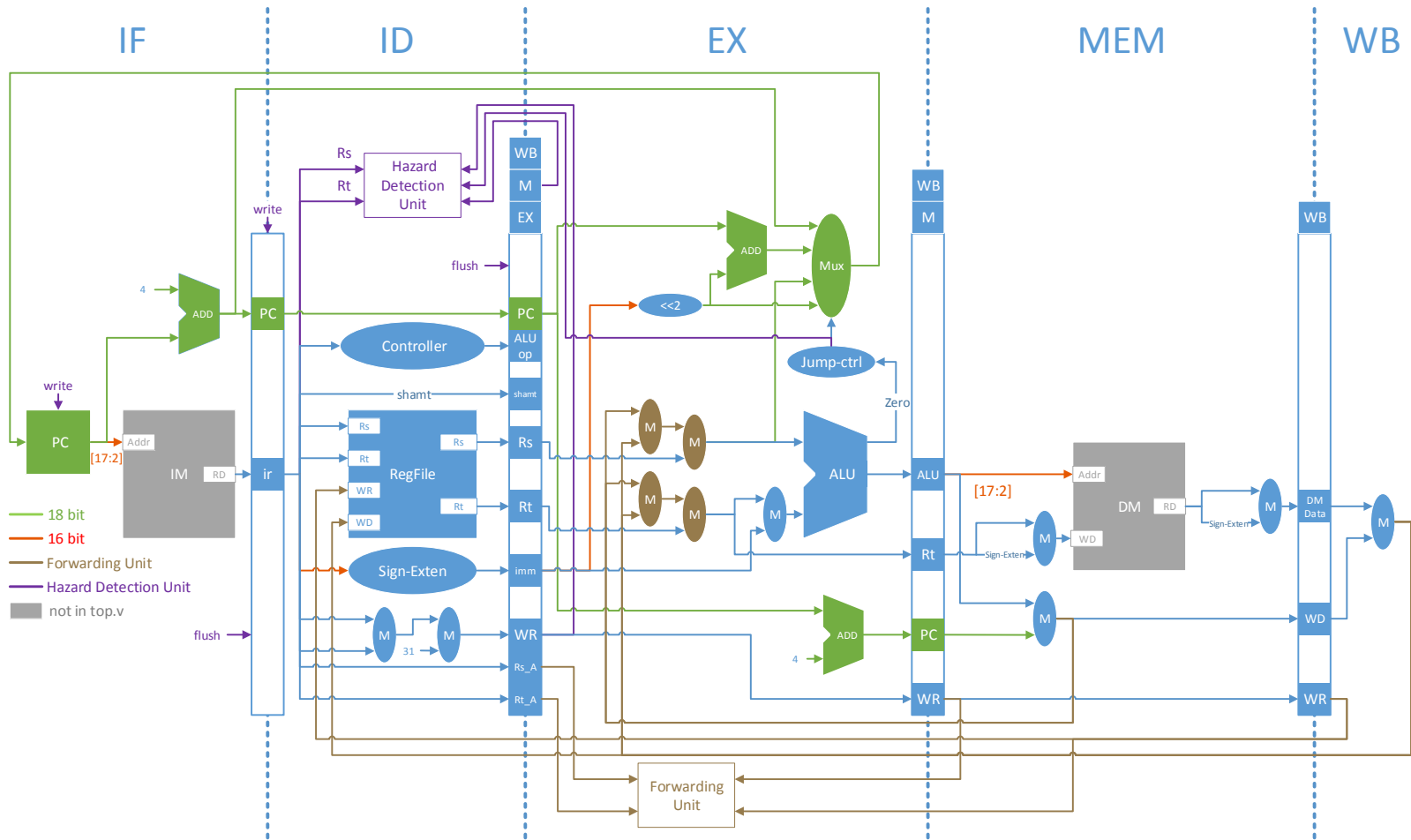
成功大學

National Cheng Kung University

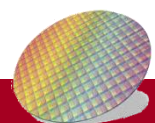
Computer Organization Homework 3

Pipelined CPU Design





Reading: Chapter 4.5 ~ 4.8





General rules for deliverables

- Complete this homework INDIVIDUALLY.
- When submitting your homework, compress all files into a single **zip** file, and upload the compressed file to Moodle.

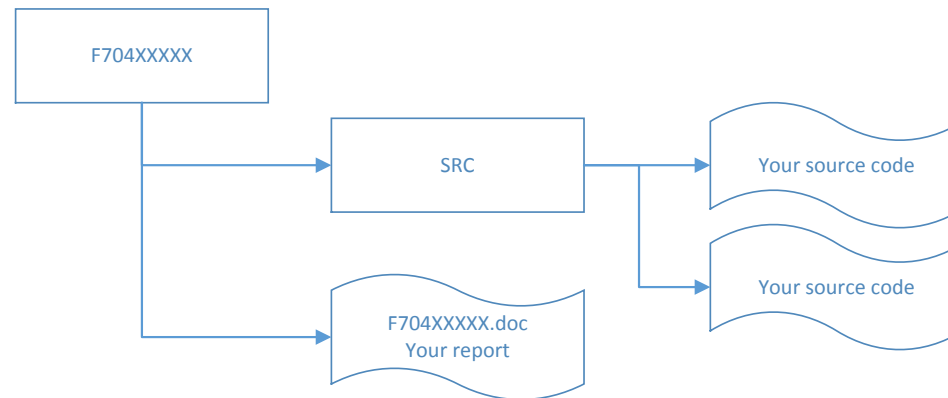
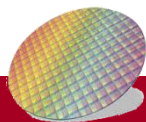


Figure 1. File hierarchy for homework submission





Deadline

- Due: 5/22(一) PM 9:55

HW3 Pipeline

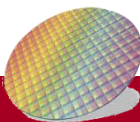
請去課程網站下載作業相關檔案

繳交狀態

繳交狀態	沒有繳交作業
評分狀態	尚未評分
規定繳交時間	2017年 05月 22日(一) 21:55
剩餘時間	15 日 7 小時

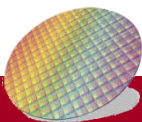
繳交作業

更改你所繳交的作業



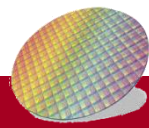
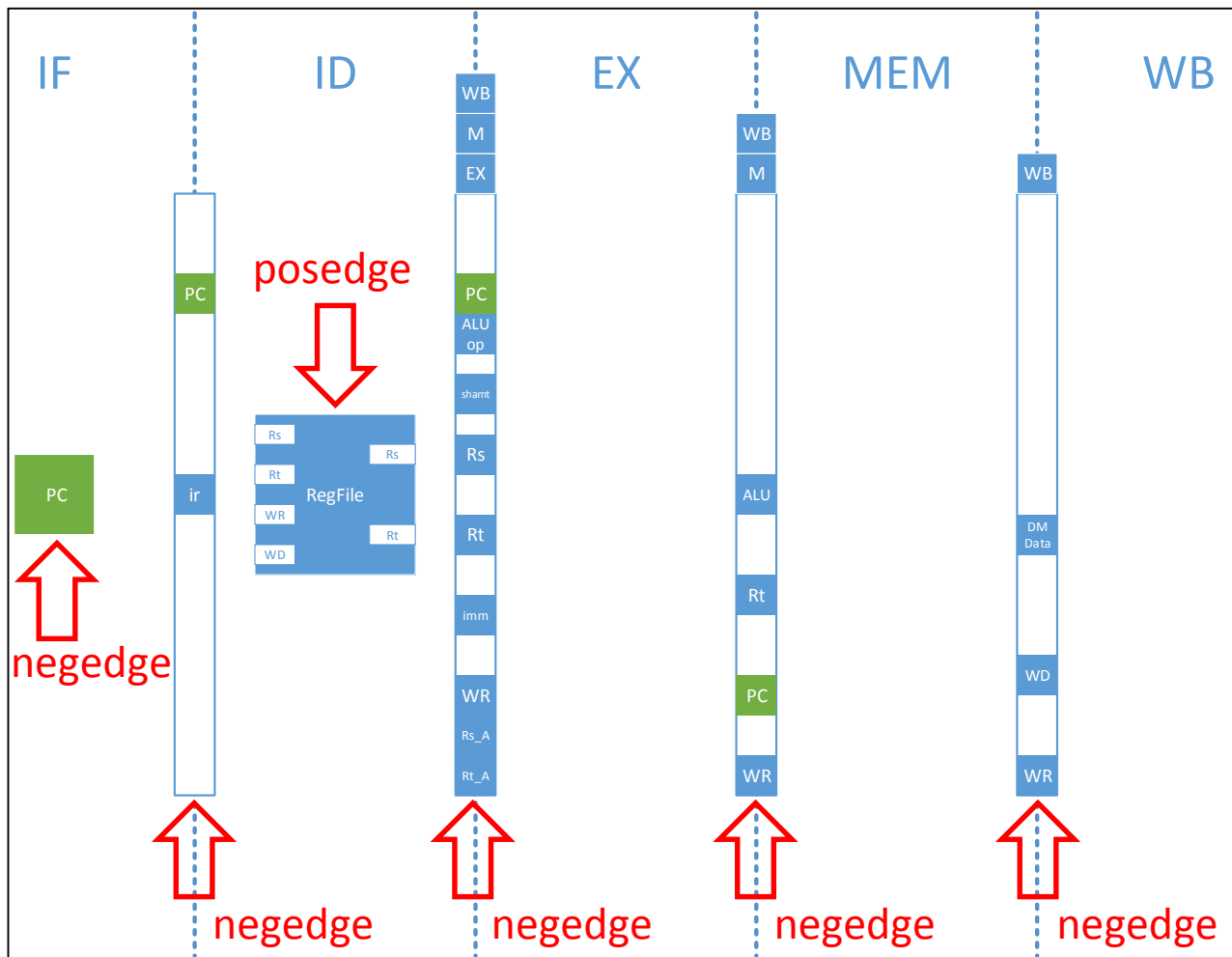
作業重點 - Outline

- Clock Trigger
- Forwarding
- Branch Prediction
- Control Hazard & Data Hazard



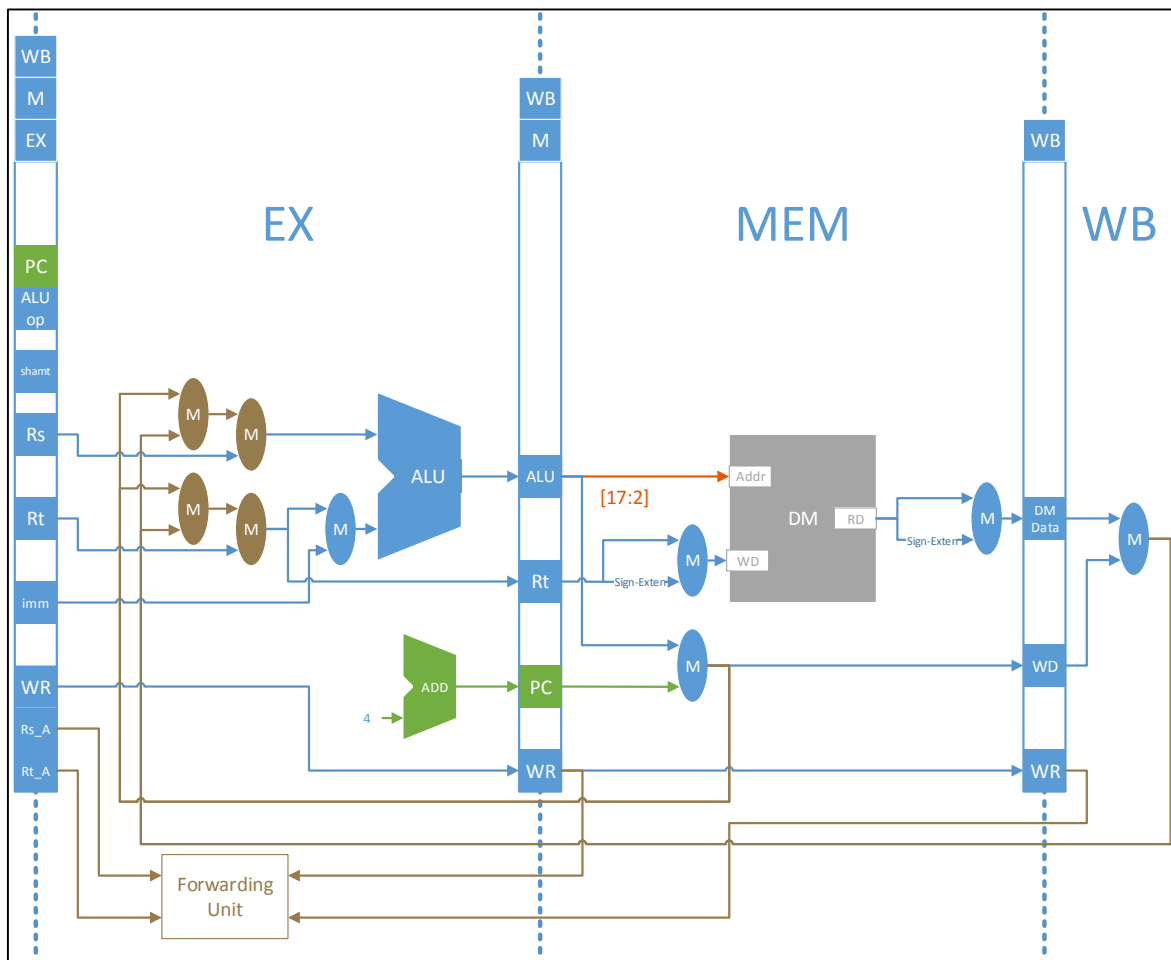


Clock Trigger

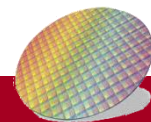




Forwarding



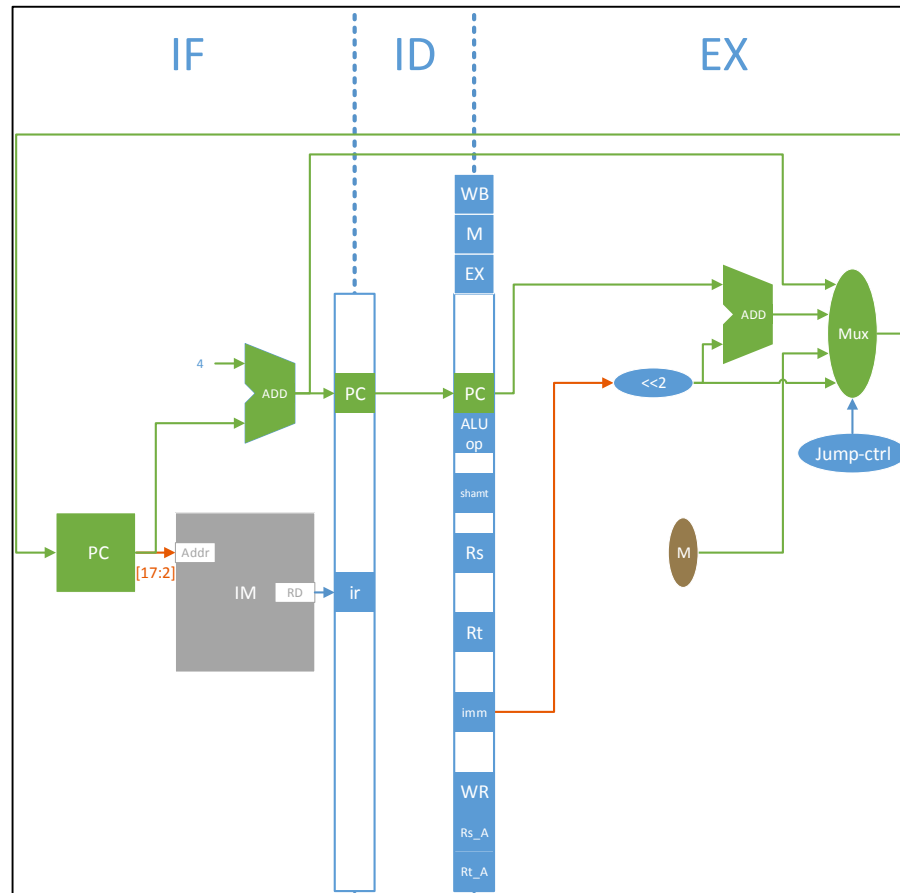
Reading: Chapter 4.7



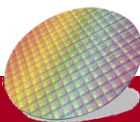


Branch Prediction

- Always not Taken



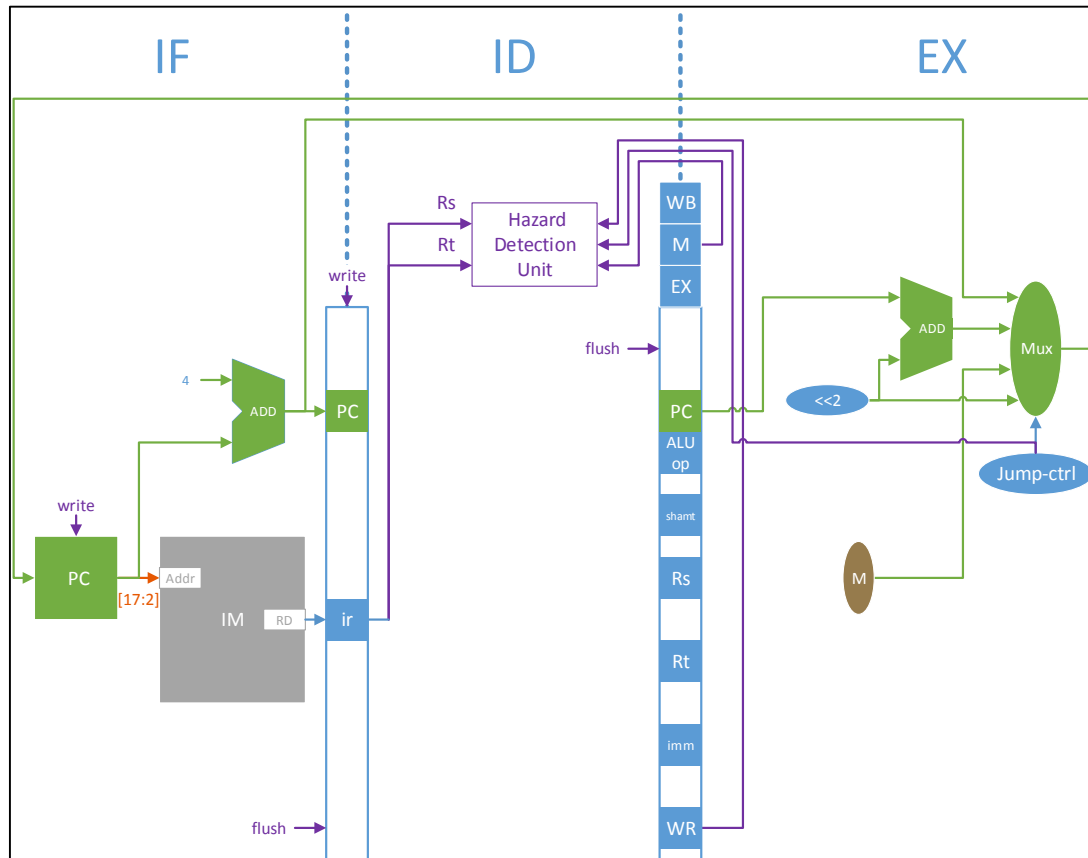
Reading: Chapter 4.8



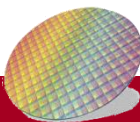


Control Hazard & Data Hazard

- Branch Control Hazard & Load Word Data Hazard



Reading: Chapter 4.8



Q & A time

