

W14D1-Notes

Review

Pipeline

- Hazard 流水线停动
 - structure
 - 复制
 - data
 - True
 - 硬件解决方法
 - forwarding
 - Out of Order(Tomasulo)
 - 害怕branch和Interrupt (Rob解决)
 - issue exe cbd
 - 软件解决方法
 - Pseudo
 - renaming
 - control
 - 消灭控制语句
 - Conitional ex
 - e.g. MOV.C、 LD.C

AMAT

- $AMAT_{\$} = T_{hit} + \eta_{miss-rate} \times T_{penalty}$