

Project 07

Pipeline Hazards

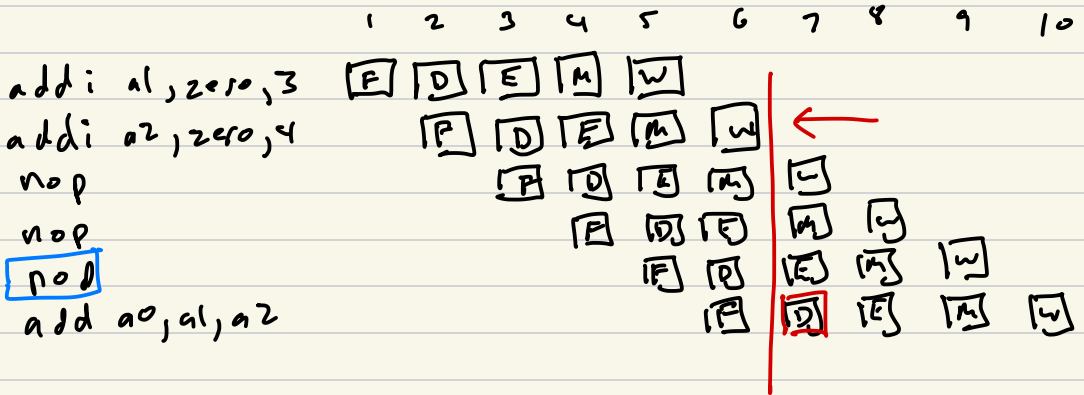
4 types of mods

✓ 1) Insert the clock to the RegFile

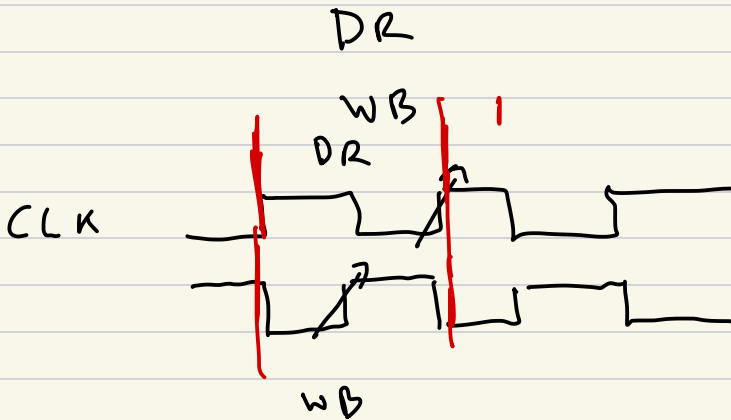
2) Forwarding

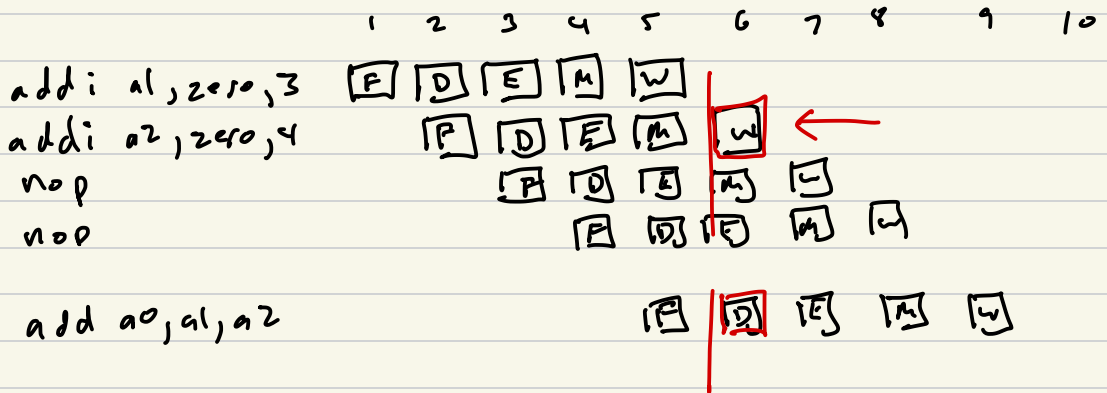
3) LD Stalling

4) Control Hazard



eliminate one nop by inverting the KeyFile clock





10 cycles + 9 cycles

