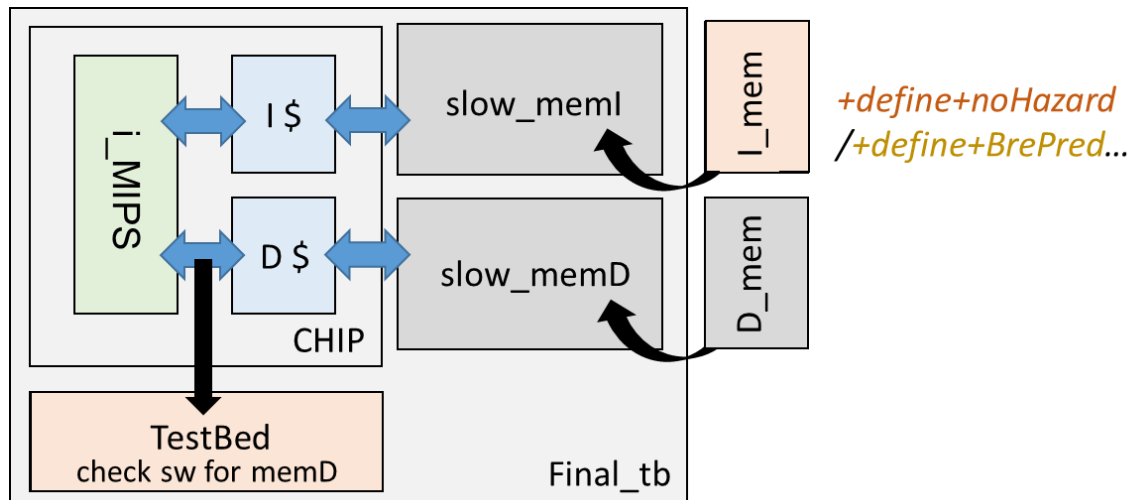# Supplement for DSD Final Project 2020

about module hierarchy

about different condition (I_mem, TestBed)

Baseline:
1. No Hazard (*+define+noHazard*)
    - ✓ insert bubble instruction (NOP) to prevent hazard condition
2. Hazard handling (*+define+hasHazard*)
    - ✓ Fibonacci

Extension:
1. Branch prediction (*+define+BrPred*)
    - ✓ a,b,c parameter
        - ■ a: always not branch
        - ■ b: branch / not branch / branch…
        - ■ c: always branch
    - ✓ discuss the mechanism of branch prediction with different parameter
2. L2 Cache (*+define+L2Cache*)
    - ✓ long version of Fibonacci
3. Multiply/Division (*+define+MultDiv*)
    - ✓ factorial