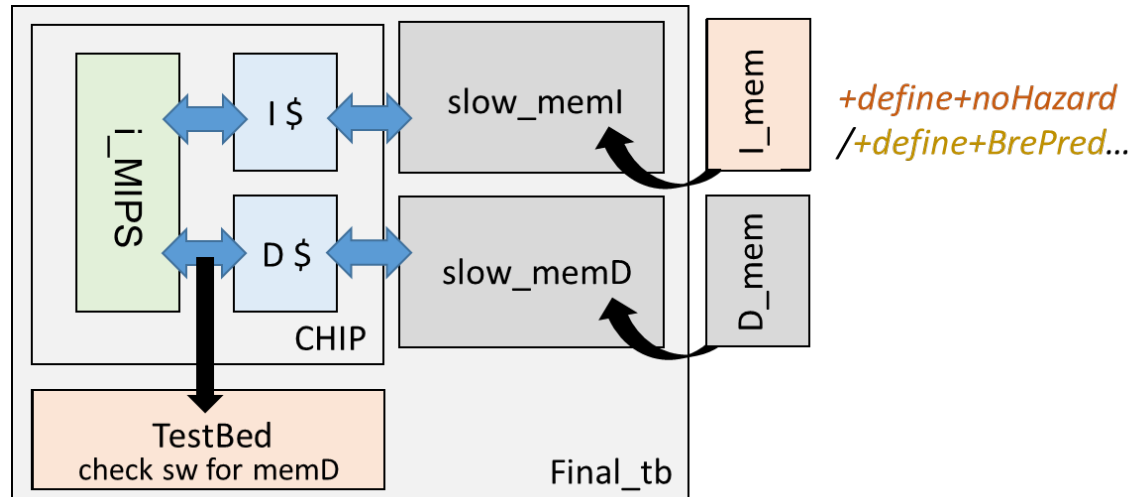


Supplement for DSD Final Project 2018

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 BEQ
 - b: BEQ/not BEQ/BEQ...
 - c: always BEQ
 - ✓ discuss the mechanism of branch prediction with different parameter
2. L2 Cache (*+define+L2Cache*)
 - ✓ long version of Fibonacci
3. Multiply/Division (*+define+MultDiv*)