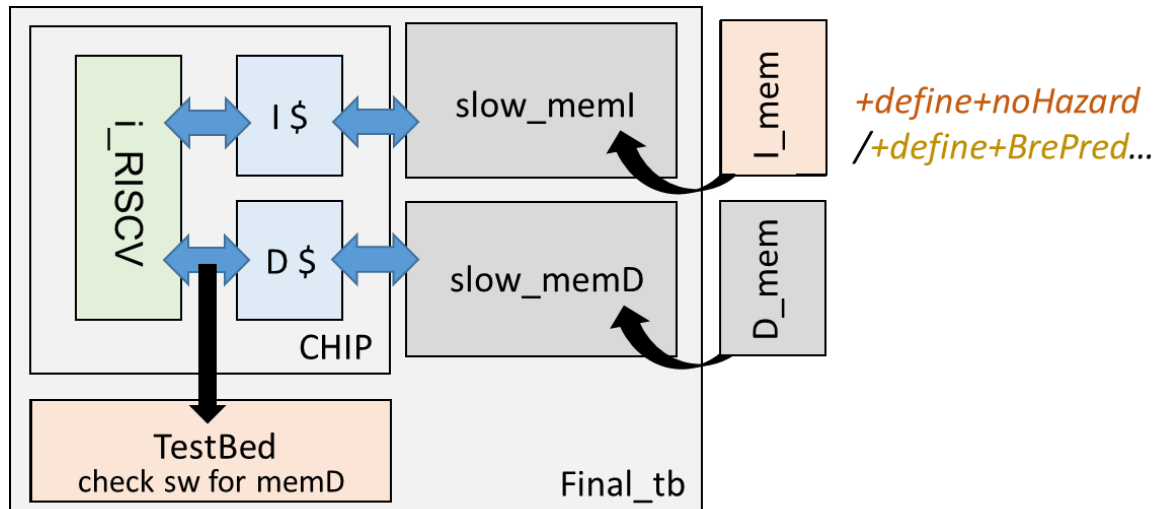


# Supplement for DSD Final Project 2023

## 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. Compression (*+define+compression*)
  - ✓ multiplication with assembly