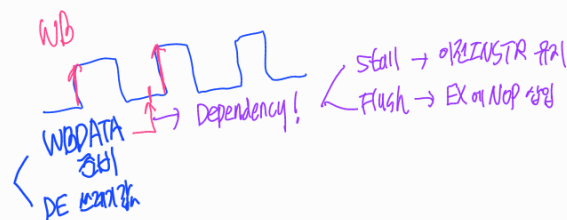
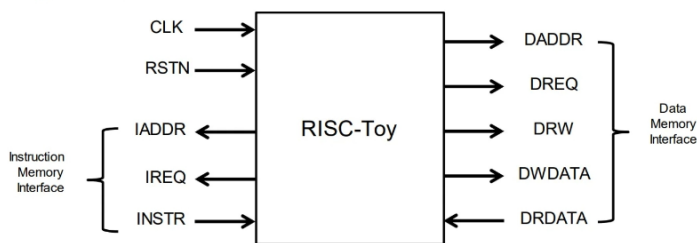


- ① 파이프라인 Stage 수? 7
- ② DM/IM은 동기식 Read/Write  
RF은 동기식 Write, 비동기 Read



#### Top module



Typ1. No stall

FFDEMMW  
FFDEMMW

Typ2. No stall

FFDEMMW  
FFDEMMW  
FFDEMMW

Typ3. No stall

FFDEMMW  
FFDEMMW  
FFDEMMW  
FFDEMMW

Type 4. 1stall

add R0, R0, R1 FFDEMMW  
add R1, R0, R2 FFDEMMW  
add R2, R0, R3 FFDEMMW  
add R3, R0, R4 FFDEMMW  
add R4, R0, R5 FFDEMMW

Load Use 1, 2 stall

LD R5,  
ADDI R6, R5, 10  
ADDI R7, R5, 15

FFDEMMW  
FFDEMMW  
FFDEMMW  
FFDEMMW  
FFDEMMW

Load Use stall w/d stall