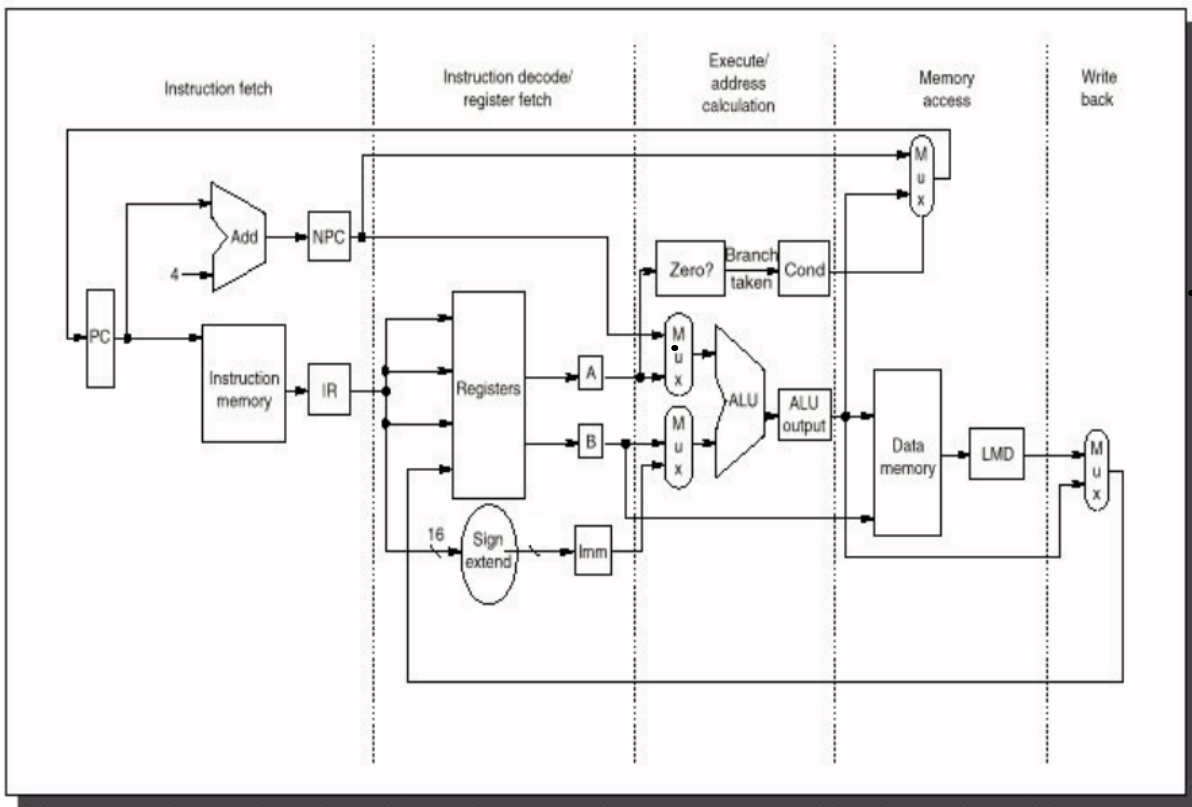


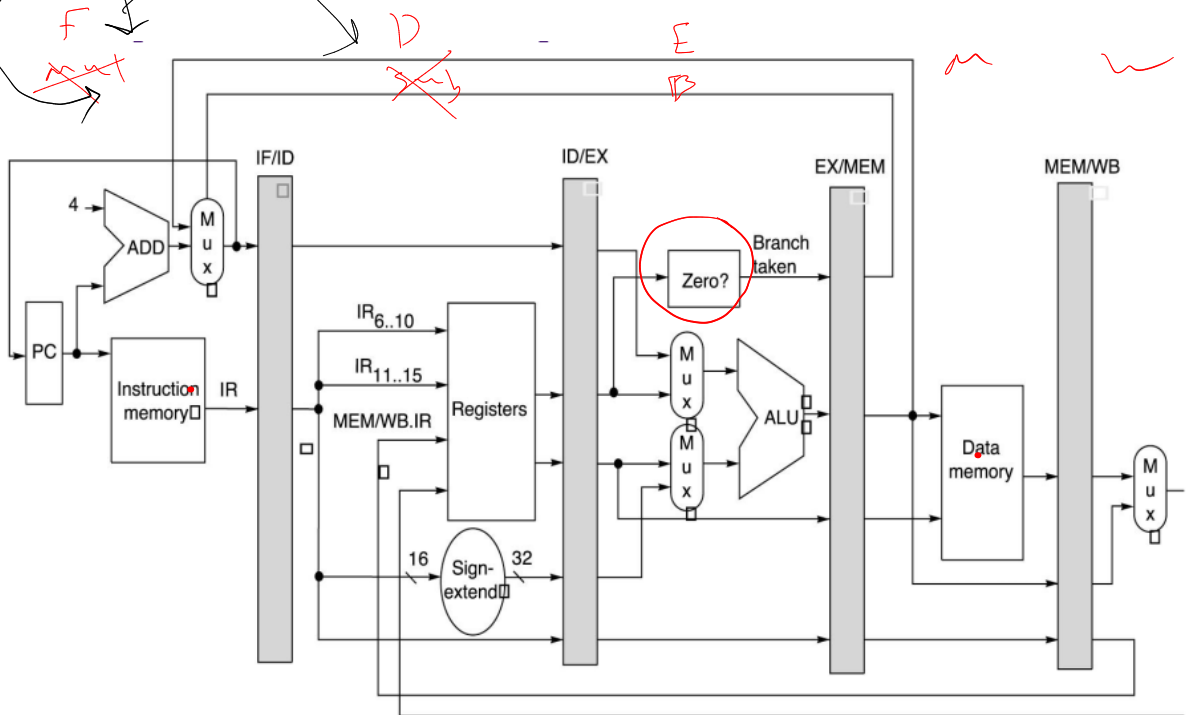
	1	2	3	4	5	6	7
$I_1$	F	D	E	m	<u>w</u>		
$I_2$		F	D	E	m	<u>w</u>	
$I_3$			F	D	E	m	<u>w</u>

$XDD$	$R_1, R_2, R_3$	1	2	3	4	5	6
$sub$	$R_4, R_1, R_5$	F	D	$R_2, R_3$	<u>w</u>	<u>w</u>	
			F	<u>D</u>	E	m	w
		F	D		E	m	w
			F		stall	stall	stall

	1	2	3	4	5	6	7	8	9	E
$LD$	$R_1, R_2$	F	D	E	<u>w</u>	w				w
$sub$	$R_4, R_1, R_5$		F	D	stall	E	m	w		



ADD  
 Bgez R9, label  
 sub  
 mul  
 label: div  
 ADD  
 F  
 next



Pipeline

Hazard { structural  $\rightarrow$  HW  
data  $\rightarrow$  { forward  
stall } load  
control  $\rightarrow$  branch { stall