Walkthrough

lw $s1, 0($s2)	**IF**	ID	EX	MEM	MEM	MEM	WB	√		
addi $s1, $0, 7		IF	ID	EX	WB	√				
...										
sub $s2, $s3 $s1							IF	ID	EX	WB	√

$s1	#12
$s2	#6
$s3	#8

#6	512		
#8	80		
#12	0		

Walkthrough

lw **#9**, 0(**#6**)	IF	**ID**	EX	MEM MEM MEM	WB	√

addi $s1, $0, 7		**IF**	ID	EX	WB	√

...

sub $s2, $s3 $s1	IF	ID	EX	WB	√

$s1	#9
$s2	#6
$s3	#8

#6	512	#9	???
#8	80		
#12	0		

Walkthrough

lw #9, 0(#6)	IF	ID	**EX**	MEM	MEM	MEM	WB	√	
addi **#20**, $0, 7		IF	**ID**	EX	WB	√			

...

sub $s2, $s3 $s1					IF	ID	EX	WB	√

$s1	**#20**
$s2	#6
$s3	#8

#6	512	**#9**	???
#8	80	**#20**	**???**
#12	0		

Walkthrough

lw #9, 0(#6)	IF	ID	EX	**MEM**	MEM	MEM	WB	√
addi #20, $0, 7		IF	ID	**EX**	WB	√		

...

sub $s2, $s3 $s1					IF	ID	EX	WB	√

$s1	#20
$s2	#6
$s3	#8

#6	512	**#9**	???
#8	80	**#20**	???
#12	0		

Walkthrough

lw #9, 0(#6)   IF   ID   EX   MEM **MEM** MEM   WB   √

addi #20, $0, 7   IF   ID   **EX**   **WB**   √

      …

sub $s2, $s3 $s1   IF   ID   EX   WB   √

$s1	#20
$s2	#6
$s3	#8

#6	512	**#9**	???
#8	80	**#20**	**7**
#12	0		

Walkthrough

lw #9, 0(#6)	IF	ID	EX	MEM	MEM	**MEM**	WB	√			
addi #20, $0, 7		IF	ID	**EX**	WB	√					
…											
sub $s2, $s3 $s1								IF	ID	EX	WB	√

$s1	#20
$s2	#6
$s3	#8

#6	512	#9	???
#8	80	#20	7
#12	0		

Walkthrough

lw #9, 0(#6)	IF	ID	EX	MEM	MEM	MEM	**WB**	√
addi #20, $0, 7		IF	ID	**EX**	WB	√		

...

| sub $s2, $s3 $s1 | | | | | **IF** | ID | EX | WB | √ |

$s1	#20
$s2	#6
$s3	#8

#6	512	**#9**	**1234**
#8	80	**#20**	7
#12	0		

Walkthrough

lw #9, 0(#6)		IF	ID	EX	MEM	MEM	MEM	WB	√
addi #20, $0, 7			IF	ID	**EX**	WB	√		
…									
sub **#1, #8, #20**					IF	**ID**	EX	WB	√

$s1	#20
$s2	#1
$s3	#8

#6	512	**#9**	1234
#8	80	**#20**	7
#12	0	**#1**	???