

Register Rename Table	
Register#	Location
1 <input type="checkbox"/>	1
2 <input type="checkbox"/>	
3 <input type="checkbox"/>	
4 <input type="checkbox"/>	
5 <input type="checkbox"/>	
6 <input checked="" type="checkbox"/>	2

ROB	
ROB#	Value
1	12 <input checked="" type="checkbox"/>
2	55 <input checked="" type="checkbox"/>
3	33 <input checked="" type="checkbox"/>
4	<input type="checkbox"/>
5	<input type="checkbox"/>
6	<input type="checkbox"/>

Arch. Register File	
Register#	Value
1	10
2	15
3	22
4	24
5	7
6	35

Tail of ROB=1, Head of ROB = 3.

$R1 \leftarrow R2 + R3$ // A
 $R2 \leftarrow R3 + R1$ // B
 $R2 \leftarrow R1 + R1$ // C
 $R4 \leftarrow R1 + R3$ // D
 $R3 \leftarrow R1 + R2$ // E

Register Rename Table	
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3 <input type="checkbox"/>	
4 <input type="checkbox"/>	
5 <input type="checkbox"/>	
6 <input type="checkbox"/>	

ROB	
ROB#	Value
1	<input type="checkbox"/>
2	<input type="checkbox"/>
3	<input type="checkbox"/>
4	<input type="checkbox"/>
5	<input type="checkbox"/>
6	<input type="checkbox"/>

Arch. Register File	
Register#	Value
1	
2	
3	
4	
5	
6	