Rename table

r0	
r1	P0
r2	
r3	P2
r4	
r5	
r6	P4
r7	P6

Physical regs.

P0	<r1>	p
P1		
P2		
P3		
P4		
P5	<r6>	p
P6	<r7>	p
P7	<r3>	p
P8	~~<r1>~~	~~p~~
…		

Free list

~~P0~~
~~P1~~
~~P3~~
~~P2~~
~~P4~~
P8

exec. & commit

ld r1, 0(r3)
add r3, r1, #4
sub r6, r7, r6
add r3, r3, r6
ld r6, 0(r1)

ROB

use	*ex*	*op*	*p1*	*PR1*	*p2*	*PR2*	*ld*	*LPRd*	*PRd*
x	x	ld	p	P7			r1	P8	P0
x		add	p	P0			r3	P7	P1
x		sub	p	P6	p	P5	r6	P5	P3
x		add		P1		P3	r3	P1	P2
x		ld	p	P0			r6	P3	P4

Rename table

r0	
r1	P0
r2	
r3	P2
r4	
r5	
r6	P4
r7	P6

Physical regs.

P0	<r1>	p
P1	<r3>	p
P2		
P3		
P4		
P5	<r6>	p
P6	<r7>	p
P7	~~<r3>~~	~~p~~
P8		
…		

Free list

~~P0~~
~~P1~~
~~P3~~
~~P2~~
~~P4~~
P8
P7

exec. & commit

ld r1, 0(r3)
add r3, r1, #4
sub r6, r7, r6
add r3, r3, r6
ld r6, 0(r1)

ROB

use	*ex*	*op*	*p1*	*PR1*	*p2*	*PR2*	*ld*	*LPRd*	*PRd*
x	x	ld	p	P7			r1	P8	P0
x	x	add	p	P0			r3	P7	P1
x		sub	p	P6	p	P5	r6	P5	P3
x		add	p	P1		P3	r3	P1	P2
x		ld	p	P0			r6	P3	P4

Rename table

r0	
r1	P0
r2	
r3	P2
r4	
r5	
r6	P4
r7	P6

Physical regs.

P0	<r1>	p
P1	<r3>	p
P2		
P3	<r6>	p
P4		
P5	~~<r6>~~	~~p~~
P6	<r7>	p
P7		
P8		
…		

Free list

~~P0~~
~~P1~~
~~P3~~
~~P2~~
~~P4~~
P8
P7
P5

exec. & commit

ld r1, 0(r3)
add r3, r1, #4
sub r6, r7, r6
add r3, r3, r6
ld r6, 0(r1)

ROB

use	*ex*	*op*	*p1*	*PR1*	*p2*	*PR2*	*ld*	*LPRd*	*PRd*
x	x	ld	p	P7			r1	P8	P0
x	x	add	p	P0			r3	P7	P1
x	x	sub	p	P6	p	P5	r6	P5	P3
x		add	p	P1		P3	r3	P1	P2
x		ld	p	P0			r6	P3	P4