

load1	1	lw	0	&src+4		&src+4	at	load3	0
load2	1	lw	0	&src+8		0	<div><div>Despachadas</div><div>add2load2add1</div><div>Executando</div><div>load1(3/4)add2(1/2)load2(1/4) add1(1/2)</div></div>		
load3	1	lw	add2		0				
load4	0								
load5	0								
store1	1	sw	0	&dst	load1	0			
store2	1	sw	0	&dst+4	load2	0			
store3	1	sw	0	&dst+8	load3	0			
store4	0								
store5	0								
dst = {0, 0, 0, 14, 23}									

Ciclo 13											
ER	Busy	Op	Qj	Vj	Qk	Vk	A	Reg	Qi	Valor	Fila de Instruções
add1	1	addi	0	1			-1	a0	add2	&src	addiu
add2	1	addiu	0	&src+8			4	a1	0	&dst+8	addiu
add3	1	bgez	add1					a2	0	4	addi
mul1	0							a3	0	3	bgez
mul2	0							v0	add1	1	
load1	1	lw	0	&src+4			&src+4	at	load3	0	
load2	1	lw	0	&src+8			0				
load3	1	lw	add2				0	Despachadas			
load4	0										
load5	0										
store1	1	sw	0	&dst	load1		0				
store2	1	sw	0	&dst+4	load2		0	Executando			
store3	1	sw	0	&dst+8	load3		0	load1(4/4)	add2(2/2)	load2(2/4)	
store4	0							add1(2/2)			
store5	0										
dst = {0, 0, 0, 14, 23}											

Ciclo 14											
ER	Busy	Op	Qj	Vj	Qk	Vk	A	Reg	Qi	Valor	Fila de Instruções
add1	1	addiu	0	&src+12			4	a0	add1	&src+12	addi bgez
add2	1	addiu	0	&dst+8			4	a1	add2	&dst+8	
add3	1	bgez	0	0				a2	0	4	
mul1	0							a3	0	3	
mul2	0							v0	0	0	
load1	0							at	load3	0	
load2	1	lw	0	&src+8			&src+8				
load3	1	lw	0	&src+12			0	Despachadas			
load4	0							add3	load3	add1	
load5	0							add2	store1		
store1	1	sw	0	&dst	0	23	0	Executando			
store2	1	sw	0	&dst+4	load2		0	load2(3/4)	load3(1/4)	add3(1/2)	
store3	1	sw	0	&dst+8	load3		0	add1(1/2)	add2(1/2)	store1(1/4)	
store4	0										
store5	0										
dst = {0, 0, 0, 14, 23}											

Ciclo 15											
ER	Busy	Op	Qj	Vj	Qk	Vk	A	Reg	Qi	Valor	Fila de Instruções
add1	1	addiu	0	&src+12			4	a0	add1	&src+12	addi bgez
add2	1	addiu	0	&dst+8			4	a1	add2	&dst+8	
add3	1	bgez	0	0				a2	0	4	
mul1	0							a3	0	3	
mul2	0							v0	0	0	
load1	0							at	load3	0	
load2	1	lw	0	&src+8			&src+8				
load3	1	lw	0	&src+12			0	Despachadas			
load4	0							Executando load2(4/4) load3(2/4) add3(2/2) add1(2/2) add2(2/2) store1(2/4)			
load5	0										
store1	1	sw	0	&dst	0	23	0				
store2	1	sw	0	&dst+4	load2		0				
store3	1	sw	0	&dst+8	load3		0				
store4	0										
store5	0										
dst = {0, 0, 0, 14, 23}											

Ciclo 16											
ER	Busy	Op	Qj	Vj	Qk	Vk	A	Reg	Qi	Valor	Fila de Instruções
add1	1	addi	0	0			-1	a0	0	&src+16	

add2	1	bgez	add1				
add3	1	syscall	load1				
mul1	0						
mul2	0						
load1	1	lw					exit_val
load2	0						
load3	1	lw	0	&src+12			&src+12
load4	0						
load5	0						
store1	1	sw	0	&dst	0	23	&dst
store2	1	sw	0	&dst+4	0	12	0
store3	1	sw	0	&dst+8	load3		0
store4	0						
store5	0						

dst = {0, 0, 0, 14, 23}

a1	0	&dst+12
a2	0	4
a3	0	3
v0	load1	0
at	load3	0

Despachadas		
store2	add1	load1

Ejecutando		
load3(3/4)	store1(3/4)	store2(1/4)
add1(1/2)	load1(1/4)	

a1	0	&dst+12
a2	0	4
a3	0	3
v0	load1	0
at	load3	0

Despachadas		
store2	add1	load1

Ejecutando		
load3(3/4)	store1(3/4)	store2(1/4)
add1(1/2)	load1(1/4)	

$$\text{dst} = \{0, 0, 0, 14, 23\}$$

Ciclo 17											
ER	Busy	Op	Qj	Vj	Qk	Vk	A	Reg	Qi	Valor	Fila de Instruções
add1	1	addi	0	0			-1	a0	0	&src+16	
add2	1	bgez	add1					a1	0	&dst+12	
add3	1	syscall	load1					a2	0	4	
mul1	0							a3	0	3	
mul2	0							v0	load1	0	
load1	1	lw					exit_val	at	load3	0	
load2	0										
load3	1	lw	0	&src+12			&src+12	Despachadas			
load4	0										
load5	0										
store1	1	sw	0	&dst	0	23	&dst	Executando			
store2	1	sw	0	&dst+4	0	12	0	load3(4/4)	store1(4/4)	store2(2/4)	
store3	1	sw	0	&dst+8	load3		0	add1(2/2)	load1(2/4)		
store4	0										
store5	0										
dst = {0, 0, 0, 14, 23}											

Reg	Qi	Valor
a0	0	&src+16
a1	0	&dst+12
a2	0	4
a3	0	3
v0	load1	0
at	load3	0

Despachadas

Ejecutando		
load3(4/4)	store1(4/4)	store2(2/4)
add1(2/2)	load1(2/4)	

$$\text{dst} = \{0, 0, 0, 14, 23\}$$

Ciclo 18											
ER	Busy	Op	Qj	Vj	Qk	Vk	A	Reg	Qi	Valor	Fila de Instruções
add1	0							a0	0	&src+16	
add2	1	bgez	0	-1				a1	0	&dst+12	
add3	1	syscall	load1					a2	0	4	
mul1	0							a3	0	3	
mul2	0							v0	load1	0	
load1	1	lw					exit_val	at	0	29	
load2	0							Despachadas			
load3	0							store3 add2			
load4	0							Executando			
load5	0							store3(1/4) load1(3/4) store2(3/4)			
store1	0							add2(1/2)			
store2	1	sw	0	&dst+4	0	12	&dst+4				
store3	1	sw	0	&dst+8	0	29	0				
store4	0										
store5	0										
dst = {23, 0, 0, 14, 23}											

Reg	Qi	Valor
a0	0	&src+16
a1	0	&dst+12
a2	0	4
a3	0	3
v0	load1	0
at	0	29

Despachadas	
store3	add2

Ejecutando		
store3(1/4)	load1(3/4)	store2(3/4)
add2(1/2)		

$$\text{dst} = \{23, 0, 0, 14, 23\}$$

Ciclo 19											
ER	Busy	Op	Qj	Vj	Qk	Vk	A	Reg	Qi	Valor	Fila de Instruções
add1	0							a0	0	&src+16	
add2	1	bgez	0	-1				a1	0	&dst+12	
add3	1	syscall	load1					a2	0	4	
mul1	0							a3	0	3	
mul2	0							v0	load1	0	
load1	1	lw					exit_val	at	0	29	
load2	0										
load3	0							Despachadas			
load4	0										
load5	0										
store1	0										
store2	1	sw	0	&dst+4	0	12	&dst+4	Executando			
store3	1	sw	0	&dst+8	0	29	0	store3(2/4) add2(2/2)	load1(4/4)	store2(4/4)	
store4	0										
store5	0										
dst = {23, 0, 0, 14, 23}											

Reg	Qi	Valor
a0	0	&src+16
a1	0	&dst+12
a2	0	4
a3	0	3
v0	load1	0
at	0	29

Despachadas

Ejecutando		
store3(2/4)	load1(4/4)	store2(4/4)
add2(2/2)		

$$\text{dst} = \{23, 0, 0, 14, 23\}$$

Ciclo 20											
ER	Busy	Op	Qj	Vj	Qk	Vk	A	Reg	Qi	Valor	Fila de Instruções
add1	0							a0	0	&src+16	
add2	0							a1	0	&dst+12	
add3	1	syscall	0	10				a2	0	4	
mul1	0							a3	0	3	
mul2	0							v0	0	10	
load1	0							at	0	29	
load2	0							Despachadas			
load3	0							add3			
load4	0							Executando			
load5	0							store3(2/4) add3(1/2)			
store1	0										
store2	0										
store3	1	sw	0	&dst+8	0	29	0				
store4	0										
store5	0										
dst = {23, 12, 0, 14, 23}											

Ciclo 21											
ER	Busy	Op	Qj	Vj	Qk	Vk	A	Reg	Qi	Valor	Fila de Instruções
add1	0							a0	0	&src+16	
add2	0							a1	0	&dst+12	
add3	1	syscall	0	10				a2	0	4	
mul1	0							a3	0	3	
mul2	0							v0	0	10	
load1	0							at	0	29	
load2	0							Despachadas			
load3	0										
load4	0										
load5	0										
store1	0										
store2	0							Executando			
store3	1	sw	0	&dst+8	0	29	&dst+8	store3(3/4) add3(2/2)			
store4	0										
store5	0										
dst = {23, 12, 0, 14, 23}											

Ciclo 22											
ER	Busy	Op	Qj	Vj	Qk	Vk	A	Reg	Qi	Valor	Fila de Instruções
add1	0							a0	0	&src+16	
add2	0							a1	0	&dst+12	
add3	1	syscall	0	10				a2	0	4	
mul1	0							a3	0	3	
mul2	0							v0	0	10	
load1	0							at	0	29	
load2	0										
load3	0							Despachadas			
load4	0										
load5	0										
store1	0										
store2	0							Executando			
store3	1	sw	0	&dst+8	0	29	&dst+8	store3(4/4) add3(2/2)			
store4	0										
store5	0										
dst = {23, 12, 0, 14, 23}											

Ciclo 23											
ER	Busy	Op	Qj	Vj	Qk	Vk	A	Reg	Qi	Valor	Fila de Instruções
add1	0							a0	0	&src+16	
add2	0							a1	0	&dst+12	
add3	0							a2	0	4	
mul1	0							a3	0	3	
mul2	0							v0	0	10	
load1	0							at	0	29	
load2	0							Despachadas			
load3	0										
load4	0										
load5	0										
store1	0							Executando			
store2	0										
store3	0										

[illegible]