Cycle 0	Issue	FinishEX	WB	Commit
ADDD F0, F2, F4				
SUBD F6, F0, F8				

Reorder Buffer

Entry	Busy	Instr	State	Destination	Value
1					
2					

Reservation Stations

Name	Busy	Op	Vj	Vk	Qj	Qk	Dest
Add1							
Add2							

Register Status

	F0	F2	F4	F6	F8
Reorder #:					

...

Cycle 1	Issue	FinishEX	WB	Commit
ADDD F0, F2, F4	1			
SUBD F6, F0, F8				

Reorder Buffer

Entry	Busy	Instr	State	Destination	Value
1	Y	ADDD	I	F0	
2	N				

Reservation Stations

Name	Busy	Op	Vj	Vk	Qj	Qk	Dest
Add1	Y	Add	R(F2)	R(F4)			#1
Add2	N						

Register Status

	F0	F2	F4	F6	F8
Reorder #:	#1				

...

Cycle 2	Issue	FinishEX	WB	Commit
ADDD F0, F2, F4	1			
SUBD F6, F0, F8	2			

Reorder Buffer

Entry	Busy	Instr	State	Destination	Value
1	Y	ADDD	I	F0	
2	Y	SUBD	I	F6	

Reservation Stations

Name	Busy	Op	Vj	Vk	Qj	Qk	Dest
Add1	Y	Add	R(F2)	R(F4)			#1
Add2	Y	Sub		R(F8)	#1		

Register Status

	F0	F2	F4	F6	F8
Reorder #:	#1			#2	

Cycle 3	Issue	FinishEX	WB	Commit
ADDD F0, F2, F4	1	3		
SUBD F6, F0, F8	2			

Reorder Buffer

Entry	Busy	Instr	State	Destination	Value
1	Y	ADDD	F	F0	
2	Y	SUBD	I	F6	

Reservation Stations

Name	Busy	Op	Vj	Vk	Qj	Qk	Dest
Add1	Y	Add	R(F2)	R(F4)			#1
Add2	Y	Sub		R(F8)	#1		

Register Status

	F0	F2	F4	F6	F8
Reorder #:	#1			#2	

ADDD done -- who's waiting?

Cycle 4	Issue	FinishEX	WB	Commit
ADDD F0, F2, F4	1	3	4	
SUBD F6, F0, F8	2			

Reorder Buffer

Entry	Busy	Instr	State	Destination	Value
1	Y	ADDD	W	F0	(F2+F4)
2	Y	SUBD	I	F6	

Reservation Stations

Name	Busy	Op	Vj	Vk	Qj	Qk	Dest
Add1	N						
Add2	Y	Sub	(f2+f4)	R(F8)			

Register Status

	F0	F2	F4	F6	F8
Reorder #:	#1			#2	

Cycle 5	Issue	FinishEX	WB	Commit
ADDD F0, F2, F4	1	3	4	5
SUBD F6, F0, F8	2			

Reorder Buffer

Entry	Busy	Instr	State	Destination	Value
1					
2	Y	SUBD	I	F6	

Reservation Stations

Name	Busy	Op	Vj	Vk	Qj	Qk	Dest
Add1	N						
Add2	Y	Sub	(f2+f4)	R(F8)			

Register Status

	F0	F2	F4	F6	F8
Reorder #:	(f2+f4)			#2	