Clock cycle : 0

				TABLE			
PC	INSTRU	JCTION	ISSUED	STARTED		SHED	Write CDB
0	ADDD F2		-	-	-		-
1	ADDD F8	3 F0 F2	-	-	-		-
~~~~~~	~~~~~~~~		Reservatio	on Station		~~~~~~	~~~~~~~~~~~~~~~~~
~~~~~~~ Time left	~~~~~~~ Tag		~~~~~~~ Busy	valueJ	valueK	~~~~~~ Qj	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
	Add0	0.	False	0	0	جي	ę.·
	Add1		False	0	0		
	Add2		False	0	0		
	Mult0		False	0	0		
	Mult1		False	0	0		
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Load		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~				
Time left	Tag	Busy	Address				
	Load0	False					
	Load1	False					
	Load2	False					
	Load3	False					
	Load4	False					
	Load5	False					
~~~~~~	~~~~~~~~~	~~~~~~~			.~~~~~~~	~~~~~~	~~~~~~~~~~~~~~~~~~~
~~~~~~	~~~~~~~~~	~~~~~~~~	_	.ster 	,~~~~~~~~~~~	~~~~~~	~~~~~~~~~~~~~~
Name	F0 F1	F2	F3 F4	F5 F6	5 F7	F8	F9

0.0

0.0

0.0

7.8

0.0

Clock cycle : 1

Qi Value

6.0

NEXT FP INSTRUCTION TO BE ISSUED: 'ADDD F2 F0 F4'

0.0

3.5

0.0

10.0

			TIMING				
PC	INSTRU		ISSUED	STARTED	FINI		Write CDB
0	ADDD F2	. F0 F4	1	-	-		-
1	ADDD F8	3 F0 F2	-	-	-		-
	~~~~~~~	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Reservatio			~~~~~~	~~~~~~~
~~~~~~~~~ Γime left	~~~~~~~ Tag	0P	~~~~~~~ Busy	~~~~~~~~ valueJ	valueK	~~~~~~~ Qj	~~~~~~~~ Qk
1	Add0	ADDD	True	6.0	10.0	٧,	δı.
_	Add1		False	0	0		
	Add2		False	0	0		
	Mult0		False	0	0		
	Mult1		False	0	0		
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Station	~~~~~~~				
~~~~~~~~~ Γime left	~~~~~~~ Tag	Busy	Address				
	Load0	False					
	Load1	False					
	Load2	False					
	Load3	False					
	Load4	False					
	Load5	False					

Regist	er
Negroti	

~~~~~~~	~~~~~~	~~~~~~~	~~~~~~~	~~~~~~~	~~~~~~~	~~~~~~	~~~~~~~	~~~~~~~	.~~~~~~~	~~~~~~~~	~~~~~~~
Name	FØ	F1	F2	F3	F4	F5	F6	F7	F8	F9	
Qi			Add0								
Value	6.0	0.0	3.5	0.0	10.0	0.0	0.0	0.0	7.8	0.0	

Clock cycle : 2

PC : 1

NEXT FP INSTRUCTION TO BE ISSUED: 'ADDD F8 F0 F2'

Instruction 'ADDD F8 F0 F2' ISSUED at clock 2 in 'Add1'
Instruction 'ADDD F2 F0 F4' STARTED at clock 2 in 'Add0'

						TABLE					
PC 0 1	~~~~	INSTRI ADDD F	UCTION 2 F0 F4 8 F0 F2		SSUED 1 2	STARTE 2		FIN	~~~~~~ ISHED - -		te CDB - -
~~~~~	~~~~~		~~~~~~~	~~~~~	~~~~~~~ Reservatio	on Station	,~~~~	~~~~~~	~~~~~~	,~~~~~	~~~~~~~
~~~~~~ Time left		Tag	~~~~~~~ OP	~~~~	 Busy	valueJ	.~~~~	valueK	~~~~~~ Qj	~~~~~	~~~~~~~ Qk
0		Add0	ADDD		True	6.0		10.0			
2		Add1	ADDD		True	6.0		3.5			Add0
		Add2			False	0		0			
		Mult0			False	0		0			
		Mult1			False	0		0			
~~~~~	~~~~		~~~~~~~	~~~~~	~~~~~						
~~~~~~~	~~~~~		d Station ~~~~~~~	~~~~~	~~~~~~						
Time left		Tag	Busy		Address						
		Load0	False								
		Load1	False								
		Load2	False								
		Load3	False								
		Load4	False								
		Load5	False								
~~~~~	~~~~		~~~~~~~	~~~~~	Regi	ister	~~~~	~~~~~~	~~~~~~	,~~~~~	~~~~~~~
~~~~~~ Name Qi	F0	F1	F2 Add0	F3	~~~~~~ F4	F5	F6	F7	~~~~~ F8 Add1	F9	~~~~~~~~
alue	6.0	0.0	3.5	0.0	10.0	0.0	0.0	0.0	7.8	0.0	

Clock cycle : 3

PC : 2

			TIMING				
PC	INSTRU		ISSUED	STARTED	FINIS		Write CDB
0	ADDD F2	F0 F4	1	2	3		-
1	ADDD F8	F0 F2	2	-	-		-
			Reservatio	n Station			~~~~~~~~~~~~~~
~~~~~~~~~~ Time left		0P	Busy	valueJ	valueK	Qj	Qk
0	Add0	ADDD	True	6.0	10.0		
2	Add1	ADDD	True	6.0	3.5		Add0
	Add2		False	0	0		
	Mult0		False	0	0		
	Mult1		False	0	0		
~~~~~~		Station	~~~~~~				
 Time left	 Tag	Busy	Address				

Load0	False
Loado	raise
Load1	False
Load2	False
Load3	False
Load4	False
Load5	False

~~~~~~~	~~~~~~	~~~~~~	~~~~~~	~~~~~~	~~~~~~~	~~~~~~	~~~~~~~	~~~~~~	~~~~~~	~~~~~~~	~~~~~~~~			
	Register													
~~~~~~~	~~~~~~	~~~~~~		~~~~~~		~~~~~~	~~~~~~	~~~~~~	~~~~~~~	~~~~~~~	~~~~~~~~			
Name	FØ	F1	F2	F3	F4	F5	F6	F7	F8	F9				
Qi			Add0						Add1					
Value	6.0	0.0	3.5	0.0	10.0	0.0	0.0	0.0	7.8	0.0				

Clock cycle : 4

PC : 2

Instruction 'ADDD F2 F0 F4' BROADCASTED in CDB at clock 4 with value '16.0'

			TIM	ING TABLE					
PC	INSTR	UCTION	ISSUED	STARTE	:D	FIN:	 ISHED	Write	CDB
0	ADDD F	2 F0 F4	1	2			3	4	
1	ADDD F	8 F0 F2	2	-			-	-	
.~~~~~		~~~~~~~	Reserva	~~~~~~~ tion Station	.~~~~~	,~~~~~	~~~~~~	~~~~~~	
Time left	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~~~~~ OP	-~~~~~~~ Busy	valueJ		~~~~~~ :lueK	~~~~~~ Qj	~~~~~~	 Qk
	Add0		False	0		0			
1	Add1	ADDD	True	6.0	1	6.0			
	Add2		False	0		0			
	Mult0 Mult1		False False	0		0 0			
.~~~~~		~~~~~~ d Station	.~~~~~~~~	~					
			,~~~~~~~~~~	~					
Time left	Tag	Busy	Address						
	Load0	False							
	Load1	False							
	Load2	False							
	Load3	False							
	Load4	False							
	Load5	False							
	~~~~~~~~~~~			egister				~~~~~~	
		F2	F3 F4	~~~~~~~ F5	F6	F7	F8	F9	
Name Qi /alue	F0 F1	12					Add1		

Clock cycle : 5

PC : 2

Instruction 'ADDD F8 F0 F2' STARTED at clock 5 in 'Add1'

			TIMINO	G TABLE				
~~~~~~~~		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	~~~~~~~~~~	~~~~~~~~~~~	~~~~~~~~~~~	~~~~~~		~~~
PC	INSTRU	ICTION	ISSUED	STARTED	FINISHE	D	Write CDB	
0	ADDD F2	! F0 F4	1	2	3		4	
1	ADDD F8	F0 F2	2	5	-		-	
			Reservatio	on Station				
			Reservatio	on Station				
~~~~~~		,~~~~~~	Reservatio	on Station	,~~~~~~~~~~~	~~~~~	,~~~~~~~~	
~~~~~~	 Tag	,~~~~~~	Reservation	on Station valueJ	valueK	~~~~~	,~~~~~~~~	
~~~~~~~~ Time left		,~~~~~~~ OP	Reservation Reservation Reservation Rusy False	on Station valueJ 0	valueK 0	~~~~~	,~~~~~~~~	
~~~~~~~~ Time left	Tag Add0 Add1	,~~~~~~~ OP	Reservation Reservation Rusy False True	on Station valueJ 0 6.0	valueK 0 16.0	~~~~~	,~~~~~~~~	

			l Station								
Time left		Tag Load0 Load1 Load2 Load3 Load4 Load5	Busy False False False False False	~~~~	Address						
,~~~~~~	~~~~	~~~~~~~		~~~~~	~~~~~~ Regi	ster	~~~~	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	~~~~~~~	~~~~~~~~	~~~~~
Name	~~~~~ F0	~~~~~~ F1	F2	F3	~~~~~~ F4	F5	 F6	F7	 F8	 F9	~~~~~
Qi Value	6.0	0.0	16.0	0.0	10.0	0.0	0.0	0.0	Add1 7.8	0.0	
######################################	######	***********		*######	***********					**************	
			INISHED at c		~~~~~~~	 TABLE	~~~~		~~~~~~~	~~~~~~~	~~~~~~
	~~~~	 INSTRU			~~~~~~~ SSUED				~~~~~~ ISHED	~~~~~~~~~ Write CDB	~~~~~~
9C 0 1		ADDD F8	2 F0 F4		1 2	2 5	_		3 6	4 -	
	~~~~	~~~~~~		~~~~	~~~~~~~ Reservatio		~~~~		~~~~~~	~~~~~~~	~~~~~
Time left		Tag Add0	OP		Busy False	valueJ 0		valueK 0	Qj	Qk	
0		Add1 Add2 Mult0 Mult1	ADDD		True False False False	6.0 0 0 0		16.0 0 0 0			
~~~~~~	~~~~		 I Station	~~~~~	~~~~~						
Time left	~~~~	Tag Load0 Load1 Load2	Busy False False False		Address						
		Load3 Load4 Load5	False False False								
~~~~~~	~~~~	~~~~~~		~~~~~	~~~~~~ Regi	ster	~~~~	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	~~~~~~	~~~~~~~	~~~~~
Name Qi	F0		F2	F3	~~~~~~ F4	F5	F6	F7	~~~~~~ F8 Add1	~~~~~~ F9	~~~~~
Value	6.0	0.0	16.0	0.0	10.0	0.0	0.0	0.0	7.8	0.0	
	###### : 7	***********		*######	***********	**********	#######			**************	
nstruction	~~~~	. J I J I Z DP	~~~~~~~~~	. CDD d	~~~~~~~	~~~~~~	~~~~~		~~~~~~	~~~~~~~~	~~~~~~
nstruction ~~~~~~					TIMING	IABLE					
nstruction ~~~~~~~ ~~~~~ PC	~~~~	~~~~~~ INSTRU							~~~~~~ ISHED	~~~~~~~~~ Write CDB	~~~~~~

Reservation Station

Time lef	it	Tag Add0 Add1 Add2 Mult0 Mult1	OP		Busy False False False False	value3 0 0 0 0 0		valueK 0 0 0 0 0	Qj		Qk
		Load	d Station								
Time lef		Tag Load0 Load1 Load2 Load3 Load4 Load5	Busy False False False False False		Address						
~~~~~~	.~~~~	~~~~~~	~~~~~~~	~~~~~		ister		~~~~~~	~~~~~~	~~~~~~	~~~~~~~
Name Qi	F0	F1	F2	F3		F5	F6	F7	F8	F9	~~~~~~~~
Value	6.0	0.0	16.0	0.0	10.0	0.0	0.0	0.0	22.0	0.0	