INSTRUCTION LIST :

MULTD F4 F0 F8
ADDD F2 F0 F4
ADDD F4 F0 F8

Clock cycle : 0

TIMING TABLE

PC	INSTRUCTION	ISSUED	STARTED	FINISHED	Write CDB
0	MULTD F4 F0 F8	-	-	-	-
1	ADDD F2 F0 F4	-	-	-	-
2	ADDD F4 F0 F8	-	-	-	-

Reservation Station

Time left	Tag	OP	Busy	valueJ	valueK	Qj	Qk
	Add0		False	0	0		
	Add1		False	0	0		
	Add2		False	0	0		
	Mult0		False	0	0		
	Mult1		False	0	0		

Load Station

Time left	Tag	Busy	Address
	Load0	False	
	Load1	False	
	Load2	False	
	Load3	False	
	Load4	False	
	Load5	False	

Register

Name	F0	F1	F2	F3	F4	F5	F6	F7	F8	F9
Qi										
Value	6.0	0.0	3.5	0.0	10.0	0.0	0.0	0.0	7.8	0.0

Clock cycle : 1
PC : 0

NEXT FP INSTRUCTION TO BE ISSUED: 'MULTD F4 F0 F8'

Instruction 'MULTD F4 F0 F8' ISSUED at clock 1 in 'Mult0'

TIMING TABLE

PC	INSTRUCTION	ISSUED	STARTED	FINISHED	Write CDB
0	MULTD F4 F0 F8	1	-	-	-
1	ADDD F2 F0 F4	-	-	-	-
2	ADDD F4 F0 F8	-	-	-	-

Reservation Station

Time left	Tag	OP	Busy	valueJ	valueK	Qj	Qk
	Add0		False	0	0		
	Add1		False	0	0		
	Add2		False	0	0		
9	Mult0	MULTD	True	6.0	7.8		
	Mult1		False	0	0		

Load Station

Time left	Tag	Busy	Address
	Load0	False	
	Load1	False	
	Load2	False	
	Load3	False	
	Load4	False	
	Load5	False	

Register

Name	F0	F1	F2	F3	F4	F5	F6	F7	F8	F9
Qi					Mult0					
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 F2 F0 F4'

Instruction 'ADDD F2 F0 F4' ISSUED at clock 2 in 'Add0'
Instruction 'MULTD F4 F0 F8' STARTED at clock 2 in 'Mult0'

TIMING TABLE

PC	INSTRUCTION	ISSUED	STARTED	FINISHED	Write CDB
0	MULTD F4 F0 F8	1	2	-	-
1	ADDD F2 F0 F4	2	-	-	-
2	ADDD F4 F0 F8	-	-	-	-

Reservation Station

Time left	Tag	OP	Busy	valueJ	valueK	Qj	Qk
2	Add0	ADDD	True	6.0	10.0		Mult0
	Add1		False	0	0		
	Add2		False	0	0		
8	Mult0	MULTD	True	6.0	7.8		
	Mult1		False	0	0		

Load Station

Time left	Tag	Busy	Address
	Load0	False	
	Load1	False	
	Load2	False	
	Load3	False	
	Load4	False	
	Load5	False	

Register

Name	F0	F1	F2	F3	F4	F5	F6	F7	F8	F9
Qi			Add0		Mult0					
Value	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

NEXT FP INSTRUCTION TO BE ISSUED: 'ADDD F4 F0 F8'

TIMING TABLE

PC	INSTRUCTION	ISSUED	STARTED	FINISHED	Write CDB
0	MULTD F4 F0 F8	1	2	-	-
1	ADDD F2 F0 F4	2	-	-	-
2	ADDD F4 F0 F8	-	-	-	-

Reservation Station

Time left	Tag	OP	Busy	valueJ	valueK	Qj	Qk
2	Add0	ADDD	True	6.0	10.0		Mult0
	Add1		False	0	0		
	Add2		False	0	0		
7	Mult0	MULTD	True	6.0	7.8		
	Mult1		False	0	0		

```
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
                          Load Station
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
   Time left         Tag           Busy          Address
                    Load0          False
                    Load1          False
                    Load2          False
                    Load3          False
                    Load4          False
                    Load5          False


~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
                                                        Register
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
   Name       F0        F1        F2        F3        F4        F5        F6        F7        F8        F9
    Qi                            Add0                Mult0
  Value      6.0       0.0       3.5       0.0       10.0       0.0       0.0       0.0       7.8       0.0


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Clock cycle : 4
PC : 2

NEXT FP INSTRUCTION TO BE ISSUED:  'ADDD F4 F0 F8'

~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
                                                      TIMING TABLE
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
         PC             INSTRUCTION            ISSUED             STARTED             FINISHED            Write CDB
         0             MULTD F4 F0 F8            1                   2                   -                    -
         1             ADDD F2 F0 F4             2                   -                   -                    -
         2             ADDD F4 F0 F8             -                   -                   -                    -


~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
                                                  Reservation Station
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
   Time left         Tag            OP             Busy          valueJ         valueK          Qj              Qk
       2            Add0           ADDD            True            6.0           10.0                          Mult0
                    Add1                           False            0              0
                    Add2                           False            0              0
       6            Mult0          MULTD           True            6.0            7.8
                    Mult1                          False            0              0


~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
                          Load Station
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
   Time left         Tag           Busy          Address
                    Load0          False
                    Load1          False
                    Load2          False
                    Load3          False
                    Load4          False
                    Load5          False


~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
                                                        Register
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
   Name       F0        F1        F2        F3        F4        F5        F6        F7        F8        F9
    Qi                            Add0                Mult0
  Value      6.0       0.0       3.5       0.0       10.0       0.0       0.0       0.0       7.8       0.0


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Clock cycle : 5
PC : 2

NEXT FP INSTRUCTION TO BE ISSUED:  'ADDD F4 F0 F8'

~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
                                                      TIMING TABLE
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
         PC             INSTRUCTION            ISSUED             STARTED             FINISHED            Write CDB
         0             MULTD F4 F0 F8            1                   2                   -                    -
         1             ADDD F2 F0 F4             2                   -                   -                    -
         2             ADDD F4 F0 F8             -                   -                   -                    -
```

Reservation Station

Time left	Tag	OP	Busy	valueJ	valueK	Qj	Qk
2	Add0	ADDD	True	6.0	10.0		Mult0
	Add1		False	0	0		
	Add2		False	0	0		
5	Mult0	MULTD	True	6.0	7.8		
	Mult1		False	0	0		

Load Station

Time left	Tag	Busy	Address
	Load0	False	
	Load1	False	
	Load2	False	
	Load3	False	
	Load4	False	
	Load5	False	

Register

Name	F0	F1	F2	F3	F4	F5	F6	F7	F8	F9
Qi			Add0		Mult0					
Value	6.0	0.0	3.5	0.0	10.0	0.0	0.0	0.0	7.8	0.0

Clock cycle : 6
PC : 2

NEXT FP INSTRUCTION TO BE ISSUED: 'ADDD F4 F0 F8'

TIMING TABLE

PC	INSTRUCTION	ISSUED	STARTED	FINISHED	Write CDB
0	MULTD F4 F0 F8	1	2	-	-
1	ADDD F2 F0 F4	2	-	-	-
2	ADDD F4 F0 F8	-	-	-	-

Reservation Station

Time left	Tag	OP	Busy	valueJ	valueK	Qj	Qk
2	Add0	ADDD	True	6.0	10.0		Mult0
	Add1		False	0	0		
	Add2		False	0	0		
4	Mult0	MULTD	True	6.0	7.8		
	Mult1		False	0	0		

Load Station

Time left	Tag	Busy	Address
	Load0	False	
	Load1	False	
	Load2	False	
	Load3	False	
	Load4	False	
	Load5	False	

Register

Name	F0	F1	F2	F3	F4	F5	F6	F7	F8	F9
Qi			Add0		Mult0					
Value	6.0	0.0	3.5	0.0	10.0	0.0	0.0	0.0	7.8	0.0

Clock cycle : 7
PC : 2

NEXT FP INSTRUCTION TO BE ISSUED: 'ADDD F4 F0 F8'

TIMING TABLE

PC	INSTRUCTION	ISSUED	STARTED	FINISHED	Write CDB
0	MULTD F4 F0 F8	1	2	-	-
1	ADDD F2 F0 F4	2	-	-	-
2	ADDD F4 F0 F8	-	-	-	-

Reservation Station

Time left	Tag	OP	Busy	valueJ	valueK	Qj	Qk
2	Add0	ADDD	True	6.0	10.0		Mult0
	Add1		False	0	0		
	Add2		False	0	0		
3	Mult0	MULTD	True	6.0	7.8		
	Mult1		False	0	0		

Load Station

Time left	Tag	Busy	Address
	Load0	False	
	Load1	False	
	Load2	False	
	Load3	False	
	Load4	False	
	Load5	False	

Register

Name	F0	F1	F2	F3	F4	F5	F6	F7	F8	F9
Qi			Add0		Mult0					
Value	6.0	0.0	3.5	0.0	10.0	0.0	0.0	0.0	7.8	0.0

##
##

Clock cycle : 8
PC : 2

NEXT FP INSTRUCTION TO BE ISSUED: 'ADDD F4 F0 F8'

TIMING TABLE

PC	INSTRUCTION	ISSUED	STARTED	FINISHED	Write CDB
0	MULTD F4 F0 F8	1	2	-	-
1	ADDD F2 F0 F4	2	-	-	-
2	ADDD F4 F0 F8	-	-	-	-

Reservation Station

Time left	Tag	OP	Busy	valueJ	valueK	Qj	Qk
2	Add0	ADDD	True	6.0	10.0		Mult0
	Add1		False	0	0		
	Add2		False	0	0		
2	Mult0	MULTD	True	6.0	7.8		
	Mult1		False	0	0		

Load Station

Time left	Tag	Busy	Address
	Load0	False	
	Load1	False	
	Load2	False	
	Load3	False	
	Load4	False	
	Load5	False	

Register

Name	F0	F1	F2	F3	F4	F5	F6	F7	F8	F9
Qi			Add0		Mult0					

```
  Value      6.0       0.0       3.5       0.0       10.0      0.0       0.0       0.0       7.8       0.0


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Clock cycle : 9
PC : 2

NEXT FP INSTRUCTION TO BE ISSUED:  'ADDD F4 F0 F8'

~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
                                                      TIMING TABLE
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
         PC              INSTRUCTION           ISSUED            STARTED            FINISHED          Write CDB
         0             MULTD F4 F0 F8            1                  2                  -                  -
         1             ADDD F2 F0 F4             2                  -                  -                  -
         2             ADDD F4 F0 F8             -                  -                  -                  -


~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
                                                  Reservation Station
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
   Time left        Tag           OP            Busy          valueJ        valueK          Qj            Qk
       2           Add0          ADDD           True           6.0           10.0                        Mult0
                   Add1                         False           0             0
                   Add2                         False           0             0
       1           Mult0         MULTD          True           6.0           7.8
                   Mult1                        False           0             0


~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
                         Load Station
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
   Time left        Tag           Busy          Address
                   Load0         False
                   Load1         False
                   Load2         False
                   Load3         False
                   Load4         False
                   Load5         False


~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
                                                        Register
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
   Name       F0         F1         F2         F3         F4         F5         F6         F7         F8         F9
    Qi                             Add0                 Mult0
  Value      6.0       0.0       3.5       0.0       10.0      0.0       0.0       0.0       7.8       0.0


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Clock cycle : 10
PC : 2

NEXT FP INSTRUCTION TO BE ISSUED:  'ADDD F4 F0 F8'

~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
                                                      TIMING TABLE
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
         PC              INSTRUCTION           ISSUED            STARTED            FINISHED          Write CDB
         0             MULTD F4 F0 F8            1                  2                  -                  -
         1             ADDD F2 F0 F4             2                  -                  -                  -
         2             ADDD F4 F0 F8             -                  -                  -                  -


~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
                                                  Reservation Station
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
   Time left        Tag           OP            Busy          valueJ        valueK          Qj            Qk
       2           Add0          ADDD           True           6.0           10.0                        Mult0
                   Add1                         False           0             0
                   Add2                         False           0             0
       0           Mult0         MULTD          True           6.0           7.8
                   Mult1                        False           0             0


~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
                         Load Station
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
   Time left        Tag           Busy          Address
                   Load0         False
                   Load1         False
                   Load2         False
```

Time left	Tag	Busy	Address
	Load3	False	
	Load4	False	
	Load5	False	

~~~~~~

Register

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Name	F0	F1	F2	F3	F4	F5	F6	F7	F8	F9
Qi			Add0		Mult0					
Value	6.0	0.0	3.5	0.0	10.0	0.0	0.0	0.0	7.8	0.0

##
##

Clock cycle : 11
PC : 2

NEXT FP INSTRUCTION TO BE ISSUED: 'ADDD F4 F0 F8'

Instruction 'MULTD F4 F0 F8' FINISHED at clock 11 in 'Mult0'

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TIMING TABLE

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PC	INSTRUCTION	ISSUED	STARTED	FINISHED	Write CDB
0	MULTD F4 F0 F8	1	2	11	-
1	ADDD F2 F0 F4	2	-	-	-
2	ADDD F4 F0 F8	-	-	-	-

~~~~~~

Reservation Station

~~~~~~

Time left	Tag	OP	Busy	valueJ	valueK	Qj	Qk
2	Add0	ADDD	True	6.0	10.0		Mult0
	Add1		False	0	0		
	Add2		False	0	0		
0	Mult0	MULTD	True	6.0	7.8		
	Mult1		False	0	0		

~~~~~~

Load Station

~~~~~~

Time left	Tag	Busy	Address
	Load0	False	
	Load1	False	
	Load2	False	
	Load3	False	
	Load4	False	
	Load5	False	

~~~~~~

Register

~~~~~~

Name	F0	F1	F2	F3	F4	F5	F6	F7	F8	F9
Qi			Add0		Mult0					
Value	6.0	0.0	3.5	0.0	10.0	0.0	0.0	0.0	7.8	0.0

##
##

Clock cycle : 12
PC : 2

NEXT FP INSTRUCTION TO BE ISSUED: 'ADDD F4 F0 F8'

Instruction 'MULTD F4 F0 F8' BROADCASTED in CDB at clock 12 with value '46.8'

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TIMING TABLE

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PC	INSTRUCTION	ISSUED	STARTED	FINISHED	Write CDB
0	MULTD F4 F0 F8	1	2	11	12
1	ADDD F2 F0 F4	2	-	-	-
2	ADDD F4 F0 F8	-	-	-	-

~~~~~~

Reservation Station

~~~~~~

Time left	Tag	OP	Busy	valueJ	valueK	Qj	Qk
1	Add0	ADDD	True	6.0	46.8		
	Add1		False	0	0		

	Add2		False	0	0		
	Mult0		False	0	0		
	Mult1		False	0	0		

~~~~~~

Load Station

~~~~~~

Time left	Tag	Busy	Address
	Load0	False	
	Load1	False	
	Load2	False	
	Load3	False	
	Load4	False	
	Load5	False	

~~~~~~

Register

~~~~~~

Name	F0	F1	F2	F3	F4	F5	F6	F7	F8	F9
Qi			Add0							
Value	6.0	0.0	3.5	0.0	46.8	0.0	0.0	0.0	7.8	0.0

##
##

Clock cycle : 13
PC : 2

NEXT FP INSTRUCTION TO BE ISSUED: 'ADDD F4 F0 F8'

Instruction 'ADDD F4 F0 F8' ISSUED at clock 13 in 'Add1'
Instruction 'ADDD F2 F0 F4' STARTED at clock 13 in 'Add0'

~~~~~~

TIMING TABLE

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PC	INSTRUCTION	ISSUED	STARTED	FINISHED	Write CDB
0	MULTD F4 F0 F8	1	2	11	12
1	ADDD F2 F0 F4	2	13	-	-
2	ADDD F4 F0 F8	13	-	-	-

~~~~~~

Reservation Station

~~~~~~

Time left	Tag	OP	Busy	valueJ	valueK	Qj	Qk
0	Add0	ADDD	True	6.0	46.8		
1	Add1	ADDD	True	6.0	7.8		
	Add2		False	0	0		
	Mult0		False	0	0		
	Mult1		False	0	0		

~~~~~~

Load Station

~~~~~~

Time left	Tag	Busy	Address
	Load0	False	
	Load1	False	
	Load2	False	
	Load3	False	
	Load4	False	
	Load5	False	

~~~~~~

Register

~~~~~~

Name	F0	F1	F2	F3	F4	F5	F6	F7	F8	F9
Qi			Add0		Add1					
Value	6.0	0.0	3.5	0.0	46.8	0.0	0.0	0.0	7.8	0.0

##
##

Clock cycle : 14
PC : 3

Instruction 'ADDD F4 F0 F8' STARTED at clock 14 in 'Add1'
Instruction 'ADDD F2 F0 F4' FINISHED at clock 14 in 'Add0'

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TIMING TABLE

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PC	INSTRUCTION	ISSUED	STARTED	FINISHED	Write CDB
0	MULTD F4 F0 F8	1	2	11	12
1	ADDD F2 F0 F4	2	13	14	-
2	ADDD F4 F0 F8	13	14	-	-

Reservation Station

Time left	Tag	OP	Busy	valueJ	valueK	Qj	Qk
0	Add0	ADDD	True	6.0	46.8		
0	Add1	ADDD	True	6.0	7.8		
	Add2		False	0	0		
	Mult0		False	0	0		
	Mult1		False	0	0		

Load Station

Time left	Tag	Busy	Address
	Load0	False	
	Load1	False	
	Load2	False	
	Load3	False	
	Load4	False	
	Load5	False	

Register

Name	F0	F1	F2	F3	F4	F5	F6	F7	F8	F9
Qi			Add0		Add1					
Value	6.0	0.0	3.5	0.0	46.8	0.0	0.0	0.0	7.8	0.0

Clock cycle : 15
PC : 3

Instruction 'ADDD F4 F0 F8' FINISHED at clock 15 in 'Add1'
Instruction 'ADDD F2 F0 F4' BROADCASTED in CDB at clock 15 with value '52.8'

TIMING TABLE

PC	INSTRUCTION	ISSUED	STARTED	FINISHED	Write CDB
0	MULTD F4 F0 F8	1	2	11	12
1	ADDD F2 F0 F4	2	13	14	15
2	ADDD F4 F0 F8	13	14	15	-

Reservation Station

Time left	Tag	OP	Busy	valueJ	valueK	Qj	Qk
	Add0		False	0	0		
0	Add1	ADDD	True	6.0	7.8		
	Add2		False	0	0		
	Mult0		False	0	0		
	Mult1		False	0	0		

Load Station

Time left	Tag	Busy	Address
	Load0	False	
	Load1	False	
	Load2	False	
	Load3	False	
	Load4	False	
	Load5	False	

Register

Name	F0	F1	F2	F3	F4	F5	F6	F7	F8	F9
Qi					Add1					
Value	6.0	0.0	52.8	0.0	46.8	0.0	0.0	0.0	7.8	0.0

Clock cycle : 16
PC : 3

Instruction 'ADDD F4 F0 F8' BROADCASTED in CDB at clock 16 with value '13.8'

TIMING TABLE

PC	INSTRUCTION	ISSUED	STARTED	FINISHED	Write CDB
0	MULTD F4 F0 F8	1	2	11	12
1	ADDD F2 F0 F4	2	13	14	15
2	ADDD F4 F0 F8	13	14	15	16

Reservation Station

Time left	Tag	OP	Busy	valueJ	valueK	Qj	Qk
	Add0		False	0	0		
	Add1		False	0	0		
	Add2		False	0	0		
	Mult0		False	0	0		
	Mult1		False	0	0		

Load Station

Time left	Tag	Busy	Address
	Load0	False	
	Load1	False	
	Load2	False	
	Load3	False	
	Load4	False	
	Load5	False	

Register

Name	F0	F1	F2	F3	F4	F5	F6	F7	F8	F9
Qi										
Value	6.0	0.0	52.8	0.0	13.8	0.0	0.0	0.0	7.8	0.0