

P6 Cycle 1

ROB							
ht	#	Insn	R	V	S	X	C
	1	ldf X(r1),f1					
	2	mulf f0,f1,f2					
	3	stf f2,Z(r1)					
	4	addi r1,4,r1					
	5	ldf X(r1),f1					
	6	mulf f0,f1,f2					
	7	stf f2,Z(r1)					

Map Table	
Reg	T+
f0	
f1	
f2	
r1	

CDB	
T	V

Reservation Stations								
#	FU	busy	op	T	T1	T2	V1	V2
1	ALU	no						
2	LD	no						
3	ST	no						
4	FP1	no						
5	FP2	no						

P6 Cycle 2

ROB							
ht	#	Insn	R	V	S	X	C
	1	ldf X(r1),f1					
	2	mulf f0,f1,f2					
	3	stf f2,Z(r1)					
	4	addi r1,4,r1					
	5	ldf X(r1),f1					
	6	mulf f0,f1,f2					
	7	stf f2,Z(r1)					

Map Table	
Reg	T+
f0	
f1	
f2	
r1	

CDB	
T	V

Reservation Stations								
#	FU	busy	op	T	T1	T2	V1	V2
1	ALU	no						
2	LD	no						
3	ST	no						
4	FP1	no						
5	FP2	no						

P6 Cycle 3

ROB							
ht	#	Insn	R	V	S	X	C
	1	ldf X(r1),f1					
	2	mulf f0,f1,f2					
	3	stf f2,Z(r1)					
	4	addi r1,4,r1					
	5	ldf X(r1),f1					
	6	mulf f0,f1,f2					
	7	stf f2,Z(r1)					

Map Table	
Reg	T+
f0	
f1	
f2	
r1	

CDB	
T	V

Reservation Stations								
#	FU	busy	op	T	T1	T2	V1	V2
1	ALU	no						
2	LD	no						
3	ST	no						
4	FP1	no						
5	FP2	no						

P6 Cycle 4

ROB							
ht	#	Insn	R	V	S	X	C
	1	ldf X(r1),f1					
	2	mulf f0,f1,f2					
	3	stf f2,Z(r1)					
	4	addi r1,4,r1					
	5	ldf X(r1),f1					
	6	mulf f0,f1,f2					
	7	stf f2,Z(r1)					

Map Table	
Reg	T+
f0	
f1	
f2	
r1	

CDB	
T	V

Reservation Stations								
#	FU	busy	op	T	T1	T2	V1	V2
1	ALU	no						
2	LD	no						
3	ST	no						
4	FP1	no						
5	FP2	no						

P6 Cycle 5

ROB							
ht	#	Insn	R	V	S	X	C
	1	ldf X(r1),f1					
	2	mulf f0,f1,f2					
	3	stf f2,Z(r1)					
	4	addi r1,4,r1					
	5	ldf X(r1),f1					
	6	mulf f0,f1,f2					
	7	stf f2,Z(r1)					

Map Table	
Reg	T+
f0	
f1	
f2	
r1	

CDB	
T	V

Reservation Stations								
#	FU	busy	op	T	T1	T2	V1	V2
1	ALU	no						
2	LD	no						
3	ST	no						
4	FP1	no						
5	FP2	no						

P6 Cycle 6

ROB							
ht	#	Insn	R	V	S	X	C
	1	ldf X(r1),f1					
	2	mulf f0,f1,f2					
	3	stf f2,Z(r1)					
	4	addi r1,4,r1					
	5	ldf X(r1),f1					
	6	mulf f0,f1,f2					
	7	stf f2,Z(r1)					

Map Table	
Reg	T+
f0	
f1	
f2	
r1	

CDB	
T	V

Reservation Stations								
#	FU	busy	op	T	T1	T2	V1	V2
1	ALU	no						
2	LD	no						
3	ST	no						
4	FP1	no						
5	FP2	no						

P6 Cycle 7

ROB							
ht	#	Insn	R	V	S	X	C
	1	ldf X(r1),f1					
	2	mulf f0,f1,f2					
	3	stf f2,Z(r1)					
	4	addi r1,4,r1					
	5	ldf X(r1),f1					
	6	mulf f0,f1,f2					
	7	stf f2,Z(r1)					

Map Table	
Reg	T+
f0	
f1	
f2	
r1	

CDB	
T	V

Reservation Stations								
#	FU	busy	op	T	T1	T2	V1	V2
1	ALU	no						
2	LD	no						
3	ST	no						
4	FP1	no						
5	FP2	no						

P6 Cycle 8

ROB							
ht	#	Insn	R	V	S	X	C
	1	ldf X(r1),f1					
	2	mulf f0,f1,f2					
	3	stf f2,Z(r1)					
	4	addi r1,4,r1					
	5	ldf X(r1),f1					
	6	mulf f0,f1,f2					
	7	stf f2,Z(r1)					

Map Table	
Reg	T+
f0	
f1	
f2	
r1	

CDB	
T	V

Reservation Stations								
#	FU	busy	op	T	T1	T2	V1	V2
1	ALU	no						
2	LD	no						
3	ST	no						
4	FP1	no						
5	FP2	no						

P6 Cycle 9

ROB							
ht	#	Insn	R	V	S	X	C
	1	ldf X(r1),f1					
	2	mulf f0,f1,f2					
	3	stf f2,Z(r1)					
	4	addi r1,4,r1					
	5	ldf X(r1),f1					
	6	mulf f0,f1,f2					
	7	stf f2,Z(r1)					

Map Table	
Reg	T+
f0	
f1	
f2	
r1	

CDB	
T	V

Reservation Stations								
#	FU	busy	op	T	T1	T2	V1	V2
1	ALU	no						
2	LD	no						
3	ST	no						
4	FP1	no						
5	FP2	no						

P6 Cycle 10

ROB							
ht	#	Insn	R	V	S	X	C
	1	ldf X(r1),f1					
	2	mulf f0,f1,f2					
	3	stf f2,Z(r1)					
	4	addi r1,4,r1					
	5	ldf X(r1),f1					
	6	mulf f0,f1,f2					
	7	stf f2,Z(r1)					

Map Table	
Reg	T+
f0	
f1	
f2	
r1	

CDB	
T	V

Reservation Stations								
#	FU	busy	op	T	T1	T2	V1	V2
1	ALU	no						
2	LD	no						
3	ST	no						
4	FP1	no						
5	FP2	no						

P6 Cycle 11

ROB							
ht	#	Insn	R	V	S	X	C
	1	ldf X(r1),f1					
	2	mulf f0,f1,f2					
	3	stf f2,Z(r1)					
	4	addi r1,4,r1					
	5	ldf X(r1),f1					
	6	mulf f0,f1,f2					
	7	stf f2,Z(r1)					

Map Table	
Reg	T+
f0	
f1	
f2	
r1	

CDB	
T	V

Reservation Stations								
#	FU	busy	op	T	T1	T2	V1	V2
1	ALU	no						
2	LD	no						
3	ST	no						
4	FP1	no						
5	FP2	no						

P6 Cycle

ROB							
ht	#	Insn	R	V	S	X	C
	1	ldf X(r1),f1					
	2	mulf f0,f1,f2					
	3	stf f2,Z(r1)					
	4	addi r1,4,r1					
	5	ldf X(r1),f1					
	6	mulf f0,f1,f2					
	7	stf f2,Z(r1)					

Map Table	
Reg	T+
f0	
f1	
f2	
r1	

CDB	
T	V

Reservation Stations								
#	FU	busy	op	T	T1	T2	V1	V2
1	ALU	no						
2	LD	no						
3	ST	no						
4	FP1	no						
5	FP2	no						