





		Soft	ware P	inelined	Code	
		0011		ponneo		
1. LD						
2. LD						
3. MUL	LD					
4.	LD					
5.	MUL	LD				
6. ADD		LD				
7.		MUL	LD			
8. ST	ADD		LD			
9.			MUL	LD		
10.	ST	ADD		LD		
11.				MUL		
12.		ST	ADD			
13.						
14.			ST	ADD		
15.						
16.				ST		
• Unlike	incolling	softwar	e ninelini	na can aiw	e ontimal resul	+
	compact	ad code	nov not k		ontimal	••
	Con fill	anhitnen	ilu long n	inclined wi	th infinitaly m	any itonationa
- DUALL		arbitrari	iny long p	ipennes wi	in mininely m	any neralions
						Carnegie Mellon

























s S	oftware	e-pipelin	ed code			1. LD R5,0(R1++)
						2. LD R6,0(R2++)
1.	LD					3. MUL R7,R5,R6
2.	LD					4.
з.	MUL	LD				5. ADD R8,R7,R4
4.		LD				6.
5.		MUL	LD			7. ST 0(R3++),R8
6.	ADD		LD			
L:7.			MUL	LD]
8.	ST	ADD		LD	BL L	
9.				MUL	LD	-
10.		ST	ADD		LD	
11.					MUL	
12.			ST	ADD		
13.						
14.				ST	ADD	
.4.				ST	ADD	

	1.	LD	R5,0(R1++)					
	2.	LD	R6,0(R1++)					
	3.	LD	R5,0(R1++)	MUL	R7,R5,R6			
	4.	LD	R6,0(R1++)					
	5.	LD	R5,0(R1++)	MUL	R17,R5,R6			
_	6.	LD	R6,0(R1++)	ADD	R8,R7,R7			
L	7.	LD	R5,0(R1++)	MUL	R7,R5,R6			
	8.	LD	R6,0(R1++)	ADD	R8,R17,R17	ST	0(R3++),R8	
	9.	LD	R5,0(R1++)	MUL	R17,R5,R6			
	10.	LD	R6,0(R1++)	ADD	R8,R7,R7	ST	0(R3++),R8	BL L
	11.			MUL	R7,R5,R6			
	12.			ADD	R8,R17,R17	ST	0(R3++),R8	
	13.							
	14.			ADD	R8,R7,R7	ST	0(R3++),R8	
	15.							
	16.					ST	0(R3++),R8	



