		C.C.
	.data	
V1:	.double "100 values"	
V2:	.double "100 values"	
V3:	.double "100 values"	
V4:	.double "100 values"	
V5:	.double "100 values"	
V6:	.double "100 values"	
	.text	
main:	daddui r1,r0,0	5
	daddui r2,r0,100	1
loop:	l.d f1,v1(r1)	1…2
	l.d f2,v2(r1)	1
	mul.d f5,f1,f2	9
	s.d f5,v5(r1)	1
	l.d f3,v3(r1)	1
	l.d f4,v4(r1)	1
	div.d f6,f3,f4	9
	s.d f6,v6(r1)	1
	daddui r1,r1,8	1
	daddi r2,r2,-1	1

Pipeline diagrams (cycle-by-cycle stages):

- main: daddui r1,r0,0 — F D E M W
- daddui r2,r0,100 — F D E M W
- loop: l.d f1,v1(r1) — F D E M W
- l.d f2,v2(r1) — F D E M W
- mul.d f5,f1,f2 — F D S * * * * * * * * M W
- s.d f5,v5(r1) — F S D E S S S S S S S M W
- l.d f3,v3(r1) — F D S S S S S S S E M W
- l.d f4,v4(r1) — F S S S S S S S D E M W
- div.d f6,f3,f4 — F D S / / / / / / / / M W
- s.d f6,v6(r1) — F D E S S S S S S S M W
- daddui r1,r1,8 — F D S S S S S S S E M W
- daddi r2,r2,-1 — F S S S S S S S D E M W

Instruction	Pipeline	C.C.
bnez r2,loop	F S D E M W	2
halt	F N N N N	0…1
Total	**6 + 100 * 29**	**2906**

		Pipeline	C.C.
	.data		
V1:	.double "100 values"		
V2:	.double "100 values"		
V3:	.double "100 values"		
V4:	.double "100 values"		
V5:	.double "100 values"		
V6:	.double "100 values"		
	.text		
main:	daddui r1,r0,0	F D E M W	5
	daddui r2,r0,50	F D E M W	1
loop:	l.d f1,v1(r1)	F D E M W F D S E M W	1
	l.d f2,v2(r1)	F D E M W	1
	l.d f3,v3(r1)	F D E M W	1
	l.d f4,v4(r1)	F D E M W	1
	mul.d f5,f1,f2	F D * * * * * * * * M W	8
	div.d f6,f3,f4	F D / / / / / / / / M W	1
	l.d f7,v1+8(r1)	F D E M W	0

Instruction	Pipeline Stages	
l.d f8,v2+8(r1)	F D E M W	0
l.d f9,v3+8(r1)	F D E M W	0
mul.d f11,f7,f8	F D * * * * * * * * M W	4
l.d f10,v4+8(r1)	F D E M W	0
daddi r2,r2,-1	F D E M W	0
s.d f5,v5(r1)	F D E S M W	0
div.d f12,f9,f10	F D / / / / / / / / M W	4
s.d f6,v6(r1)	F D E M W	0
s.d f11,v5+8(r1)	F D E S S M W	0
daddui r1,r1,16	F D S S E M W	0
bnez r2,loop	F S S D E M W	0
s.d f12,v6-8(r1)	F D E S M W	1
halt	F N N N N	0
Total	**6 + 50 * 22**	**1106**