IF ID EX MEM WB

IF ID DEX MEM WE

add ld lddi sub

DNE

add

			Elhan Wog 2117/22
		CS MISI'B HIW	
819	4.31.6.	For 4.31.3 Single Issue	
		12 rastructions	
		For 4.31.4 two-Tosse	
		9 "instructions"	
		12 : 9 = 1.33	
		There is a 1.33 x speedup whom going from single	
		issue to two-issue.	
19	31 . 15		
	4		
	7		
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			**************************************
angered to			

		-
4.31.7	begz X13, DONE	
	li XIZ, O	
	Jal ENT	
	Top:	
	sll1 x5, x12, 3	
	add x6, x10, x5	
	ld x7, o(x6)	
	ld x29, 8(x6)	
	addi x12, x12, 2	
	Sub x30, x7, x29	
	add x31, x11, x5	
	sd x30, 0(x31)	
	sli; x5, x17, 3	_6
	add xs, xiu, x5	-
	1d x7,0(x6)	
	ld x29, 8(x6)	
	add: x12, x12,2	
	Sib \$30, \$7, \$29	
	add x31, x11, x5	
	sd x30,0(x31)	
	This loop has been unrolled so that 2 iterations vin each	
	time, and it has been optimized to rin on the	
	single-issue processor.	
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