mar 07	, 16 18:3	0	test_asm32.s	Page 1/6
	.previo	1 "test_asm3.c" n .mdebug.abi32 us tribute 4, 1		
sum:	.text .align .globl .set .ent	2 sum nomips16 sum		
sum.	.frame .mask .fmask .set .set	\$fp,16,\$31 0x40000000,-4 0x00000000,0 noreorder nomacro	# vars= 8, regs= 1/0, args= 0	, gp= 0
	addiu sw move sw sw sw sw sw j	\$sp,\$sp,-16 \$fp,12(\$sp) \$fp,\$sp \$4,16(\$fp) \$5,20(\$fp) \$6,24(\$fp) \$7,28(\$fp) \$0,0(\$fp) \$L2		
\$L3:				
	lw sll lw addu lw sll lw addu lw lw lw addu lw addu lw addu lw addu lw addu sw lw addiu sw	\$2,0(\$fp) \$3,\$2,2 \$2,24(\$fp) \$5,\$2,\$3 \$2,0(\$fp) \$3,\$2,2 \$2,16(\$fp) \$2,\$2,\$3 \$4,0(\$2) \$2,0(\$fp) \$3,\$2,2 \$2,0(\$fp) \$3,\$2,2 \$2,20(\$fp) \$2,\$2,\$3 \$2,0(\$2) \$2,\$2,\$3 \$2,0(\$5) \$2,\$2,\$1 \$2,0(\$fp) \$2,\$2,\$1 \$2,0(\$fp) \$2,\$2,\$1 \$2,0(\$fp) \$2,\$2,\$1 \$2,0(\$fp) \$2,\$2,\$1 \$2,0(\$fp)		
\$L2:	lw lw slt bne nop	\$2,0(\$fp) \$3,28(\$fp) \$2,\$2,\$3 \$2,\$0,\$L3		
	move lw addiu j nop	\$sp,\$fp \$fp,12(\$sp) \$sp,\$sp,16 \$31		
	.set .set .end	macro reorder sum		
#	.size .align .globl	sum,sum 2 max_min_tab		

mar 07	, 16 18:3	0	test_asm32.s	Page 2/6
max_min	.set .ent _tab: .frame .mask .fmask .set .set	nomips16 max_min_tab \$fp,16,\$31 0x40000000,-4 0x00000000,0 noreorder nomacro	# vars= 8, regs= 1/0, args= 0,	gp= 0
	addiu sw move sw sw sw sw sw j	\$sp,\$sp,-16 \$fp,12(\$sp) \$fp,\$sp \$4,16(\$fp) \$5,20(\$fp) \$6,24(\$fp) \$7,28(\$fp) \$0,0(\$fp) \$16		
\$19:	lw sll lw addu lw sll lw addu lw sll lw addu lw addu lw addu lw nop	\$2,0(\$fp) \$3,\$2,2 \$2,16(\$fp) \$2,\$2,\$3 \$4,0(\$2) \$2,0(\$fp) \$3,\$2,2 \$2,20(\$fp) \$2,\$2,\$3 \$2,0(\$2) \$2,0(\$2) \$2,\$4,\$2 \$2,\$0,\$L7		
	lw sll lw addu lw sw lw sw lw addu lw ssw lw addu lw addu lw ssw sll lw addu lw sll lw and lw and lw nop nop	\$2,0(\$fp) \$3,\$2,2 \$2,24(\$fp) \$4,\$2,\$3 \$2,0(\$fp) \$3,\$2,2 \$2,20(\$fp) \$2,\$2,\$3 \$2,0(\$2) \$2,0(\$4) \$2,0(\$fp) \$3,\$2,2 \$2,0(\$fp) \$3,\$2,2 \$2,0(\$fp) \$3,\$2,2 \$2,0(\$fp) \$3,\$2,2 \$2,0(\$fp) \$3,\$2,2 \$2,0(\$fp) \$3,\$2,2 \$2,0(\$fp) \$3,\$2,2 \$2,0(\$fp) \$3,\$2,0(\$fp) \$4,\$2,\$2,\$3 \$2,0(\$fp) \$2,0		
\$L7:	lw sll lw addu lw sll lw addu lw sw	\$2,0(\$fp) \$3,\$2,2 \$2,24(\$fp) \$4,\$2,\$3 \$2,0(\$fp) \$3,\$2,2 \$2,16(\$fp) \$2,\$2,\$3 \$2,0(\$2) \$2,0(\$4)		

mar 07	, 16 18:3	0	test_asm32.s	Page 3/6
	lw sll lw addu lw sll lw addu lw suddu lw sw	\$2,0(\$fp) \$3,\$2,2 \$2,28(\$fp) \$4,\$2,\$3 \$2,0(\$fp) \$3,\$2,2 \$2,20(\$fp) \$2,\$2,\$3 \$2,0(\$2) \$2,0(\$4)		
\$L8:	lw addiu sw	\$2,0(\$fp) \$2,\$2,1 \$2,0(\$fp)		
\$L6:	lw lw slt bne nop	\$2,0(\$fp) \$3,32(\$fp) \$2,\$2,\$3 \$2,\$0,\$L9		
	move move lw addiu j	\$2,\$0 \$sp,\$fp \$fp,12(\$sp) \$sp,\$sp,16 \$31		
	.set .set .end .size .align .globl .set .ent	macro reorder max_min_tab max_min_tab, 2 mat_mul nomips16 mat_mul	-max_min_tab	
mat_mul	.frame .mask .fmask .set .set	\$fp,24,\$31 0x40000000,-4 0x00000000,0 noreorder nomacro	# vars= 16, regs=	1/0, args= 0, gp= 0
	addiu sw move sw sw sw sw j	\$sp,\$sp,-24 \$fp,20(\$sp) \$fp,\$sp \$4,24(\$fp) \$5,28(\$fp) \$6,32(\$fp) \$0,8(\$fp) \$L12		
\$L15:	sw j nop	\$0,4(\$fp) \$L13		
\$L14:	lw sll sll addu lw addu lw sll addu sw	\$2,8(\$fp) \$3,\$2,3 \$2,\$3,2 \$3,\$3,\$2 \$2,32(\$fp) \$3,\$2,\$3 \$2,4(\$fp) \$2,\$2,2 \$2,\$3,\$2 \$0,0(\$2)		

mar 0	7, 16 18:3	30	test_asm32.s	Page 4/6
	lw addiu sw	\$2,8(\$fp) \$2,\$2,1 \$2,8(\$fp)		. 3,5 %
\$L13:	lw slt bne nop	\$2,8(\$fp) \$2,\$2,10 \$2,\$0,\$L14		
+= 10	lw addiu sw	\$2,8(\$fp) \$2,\$2,1 \$2,8(\$fp)		
\$L12:	lw slt bne nop	\$2,8(\$fp) \$2,\$2,10 \$2,\$0,\$L15		
	sw j nop	\$0,8(\$fp) \$L16		
\$L21:	sw j nop	\$0,4(\$fp) \$L17		
\$L20:	sw j nop	\$0,0(\$fp) \$L18		
\$L19:	lw sll sddu lw addu lw lw sll addu lw addu lw sll addu lw sll addu lw sll addu lw sll addu	\$2,8(\$fp) \$3,\$2,3 \$2,\$3,2 \$3,\$3,\$2 \$2,2,32(\$fp) \$4,\$2,\$3 \$5,4(\$fp) \$2,\$1,\$2,3 \$2,\$3,\$2,3 \$2,\$3,\$3,\$2 \$3,\$3,\$2 \$3,\$3,\$2 \$2,\$2,\$2 \$2,\$3,\$3,\$2 \$2,\$2,\$2 \$2,\$3,\$2 \$2,\$2,\$2 \$2,\$3,\$2 \$2,\$2,\$2 \$2,\$2,\$2 \$2,\$3,\$2 \$2,\$3,\$2 \$2,\$3,\$2 \$2,\$2 \$2,\$2 \$2,\$2 \$2,\$3,\$2 \$2,\$3,\$2 \$2,\$3,\$2 \$2,\$2 \$2,\$2 \$2,\$2 \$2,\$3,\$2		

3/3

mar 0	7, 16 18:3	60	test_asm32.s	Page 5/6
\$L18:	lw mul addu sll addu sw lw addiu sw	\$2,0(\$2) \$2,\$7,\$2 \$3,\$6,\$2 \$2,\$5,2 \$2,\$4,\$2 \$3,0(\$2) \$2,8(\$fp) \$2,\$2,1 \$2,8(\$fp)		
\$D10.	lw slt bne nop	\$2,8(\$fp) \$2,\$2,10 \$2,\$0,\$L19		
\$L17:	lw addiu sw	\$2,8(\$fp) \$2,\$2,1 \$2,8(\$fp)		
¥21	lw slt bne nop	\$2,8(\$fp) \$2,\$2,10 \$2,\$0,\$L20		
át 1 C .	lw addiu sw	\$2,8(\$fp) \$2,\$2,1 \$2,8(\$fp)		
\$L16:	lw slt bne nop	\$2,8(\$fp) \$2,\$2,10 \$2,\$0,\$L21		
	li move lw addiu j nop	\$2,1 \$sp,\$fp \$fp,20(\$sp) \$sp,\$sp,24 \$31	# 0x1	
	.set .set .end .size .rdata .align	<pre>macro reorder mat_mul mat_mul,mat_mul 2</pre>		
\$LC0:	.ascii .text .align .globl .set .ent	"%d\012\000" 2 main nomips16 main		
main:	.frame .mask .fmask .set .set	\$fp,32,\$31 0xc0000000,-4 0x000000000,0 noreorder nomacro	# vars= 0, regs= 2/0, arg	gs= 24, gp= 0
	addiu sw sw move sw sw lui addiu lui	\$sp,\$sp,-32 \$31,28(\$sp) \$fp,24(\$sp) \$fp,\$sp \$4,32(\$fp) \$5,36(\$fp) \$2,%hi(A) \$4,\$2,*lo(A) \$2,%hi(B)		

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mar 07, 16 18:30	test_asm32.s	Page 6/6
addiu \$5,\$2,*lo(B) lui \$2,*hi(C) addiu \$6,\$2,*lo(C) li \$7,10 jal sum nop	# 0xa	
li \$2,10 sw \$2,16(\$sp) lui \$2,*hi(A) addiu \$4,\$2,*lo(A) lui \$2,*hi(B) addiu \$5,\$2,*lo(B) lui \$2,*hi(C) addiu \$6,\$2,*lo(C) lui \$2,*hi(D) addiu \$7,\$2,*lo(D) jal max_min_tab nop	# 0xa	
move \$3,\$2 lui \$2,*hi(\$LC0) addiu \$4,\$2,*lo(\$LC0) move \$5,\$3 jal printf nop		
move \$2,\$0 move \$sp,\$fp lw \$31,28(\$sp) lw \$fp,24(\$sp) addiu \$sp,\$sp,32 j \$31 nop		
.set macro .set reorder .end main .size main,main		
.comm C,40,4		
.comm D,40,4 .ident "GCC: (GNU) 4.3.2"		