	CORRECTIONS
2.20)	Srl \$+2, \$+0, 11 \$11 \$+2, \$+2, 26 \$11 \$+1, \$+1, 6 \$rl \$+1, \$+1, 6 or \$+1, \$+0, \$+2
	711175
· /	
1 7	

ANS

	B=0;
2.26 6	$\lambda = 10$;
	while (1>0) {
	i= i-1;
	B = B+2,
	13

abs	\$54,	\$57
	9	

sra \$to, \$57, 31 ×or \$t1, \$57, \$to sub \$54, \$t1, \$to

IANS

60)	\$+4	,\$1	13,1	2

1	51)	\$+0	, \$+3,	12
1	Srl	\$+1	\$+3	,20
	05	\$+4	\$+1	, \$+0
1))

JANS

2.20 1. srl \$+0, \$+0, 11 0000 0000 0001 IIII IIII IIII IIIX XXX 2. sll \$+0, \$+0, 26 0000 0000 0001 1111 1111 1111 111××××× 0000 0000 0000 0000 0000 0000 0000 3. sll \$t1, \$t1, 6 -4. srl \$t1, \$t1, 6 - give 0000 0011 1111 1111 1111 1111 1111 1111 add \$+1,\$+0,\$+1 ××× ××00 0000 0000 0000 0000 0000 1111 1111 1111 1111 1110 0000 + 1 ST | \$+0, \$+0, 11 2 SI | \$+0, \$+0, 26 sl1 \$t1, \$t1, 6 sr1 \$t1, \$t1, 6 4 5 add \$+1, \$+0, \$+1

2.25)	a)	I-type is	most a	appropriate	because I	-type
	,	includes 16	, bits f.	or address.	which is	required
		for handlin	of the lo	op address,	,	V

2.26) a)
$$1 - \$t1 = 10 \$t2 = 1 \$t1 = 9 \$s2 = 2$$
 $2 - \$t1 = 9 \$t2 = 1 \$t1 = 8 \$s2 = 4$
 $3 - 9 - 9 - 10 - \$t1 = 1 \$t2 = 1 \$t1 = 0 \$s2 = 20$
 $11 - \$t1 = 0 \$t2 = 0 \longrightarrow DONE$
 $8 - 9 - 10 - \$t1 = 0 \$t2 = 0 \longrightarrow DONE$
 $8 - 9 - 10 - \$t1 = 0 \$t2 = 0 \longrightarrow DONE$
 $8 - 9 - 10 - \$t1 = 0 \$t2 = 0 \longrightarrow DONE$
 $8 - 9 - 10 - \$t1 = 0 \$t2 = 0 \longrightarrow DONE$
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 $8 - 9 - 10 - \$ t1 = 0 \longrightarrow DONE$
 $8 - 9 - 10 - \$ t1 = 0 \longrightarrow DONE$
 $8 - 9 - 10 - \$ t1 = 0$

abs \$54, \$57

1. sra \$+0,\$57,31

Sign bit is shifted in, so \$10 will be 0x0 if positive and 0xFFFFFFFF if negative.

2. xor \$57, \$57, \$+0

 $e \times 1$. S = 00000101 \$+0 = 00000000 $\Rightarrow 00000101$

ex2 -5 = 11111011 \$ +0 = 11111111 => 00000100

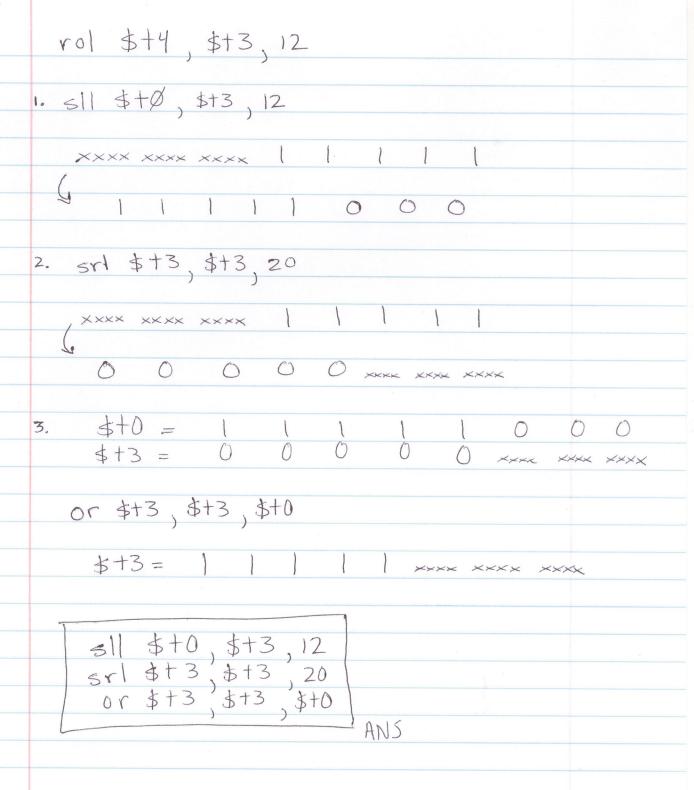
3. sub \$54, \$57, \$t0

ex1. 00000101 - 00000000 = 00000101 = 5

 $e \times 2$ 00000100 - 11111111 = 00000101 = 00000101 = 5

ANS

sra \$t0,\$57,31 xor \$57,\$57,\$t0 sub \$54,\$57,\$t0



1d \$+6,0(\$s4)

lw \$t6, 0(\$54) lw \$t7, 4(\$54)

ANS