VE370 Bingcheng HU 5 16 021 910 219 HW2 rt rd LOOPER (See) \$zero 0 \$ to 8 \$ t 2 10 I(bne) 5 \$t2 10 \$zero0 J(j) 2 0x 10000 404/ DONE ELSE: 1(addi) 8 0x 1000 4086 2 I (adolin) 9 \$ to \$ to 8 Oxloss 40 C J(i) 0x loss 410 LOOP PONE . 0x10000414 0x 10000 418 binary coole: 0/010 #0000 ممموري 00/00/ 00000 [(40C-404) - 4] /4 = 文 即輸帰祭 0/0/0 (0000418)/4 = 花线2位 0000 0000 0001 100g 01000 ممممم 18=24+2 00 000 10010 COCCO 01001 9=8+1 010000 00/00 (0000400)/4 = 0000/00 01 0000 00000 OBD 900/ 6000

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Q2: lui $to 4096 (4096=16.00(2)) 62 to=0x/000000
          16 $51 1 ($to)
   Q3:2.19-1
         Hore to write recursion?
        Tivst → ≤W (for preserved value: $50, $5p, $ ra) ] stade point

(for not preserved: $to, $αο, $νο) ] stade point
       fibriter:
           # first, save to stack:
            add; $sp, $sp, -16 # adjust 4 byte
         (SW$50, 0($5p)
present when SW $51, 4 K$SP)
that will he SW $52, 82 ($50)
         sw $ra, (3 ($sp)
         addition, $a0,0 \# int \alpha \rightarrow s0.
        addi $SI,$\alpha_I,0 \# int \alpha \rightarrow so
addi $SZ,$\alpha_Z,0 \# int n \rightarrow SZ.
         add: $ to, $0,0
          bea $52, $to, exit # if (n=50) exit
        addi $ a1, $ 51, $ 0
addi $ az, $ 52 -1
jal fib-iter.
exit:
        @ addy $00, $50, $51
         lw { lw $50.0($5p) addi $5p.$5p.16
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i add: \$10, \$51, 0, # return Vo = 51 = 6

2-19.3 old \$sp > 0x7HHHC \$ 50 \$ 51 \$52 \$ ra. 2-23 MAZN: tora addi \$sp \$sp - 4 行toca. @Sw \$ ra,0(\$sp) 运 SO 60 # 为敌. add \$50,\$0,\$0 Loop: # 10-1/01:94 EAR add \$to \$a0 \$0. 7 h bts to> 9 244 to < 'o' Exe 50+=to < to F-12=10', 完成 (fo - 'o') ×10 to F-12=10', 完成 PONE. add \$ t2, \$0, 191 将数组粉 Set \$t3, \$t4, \$t1 当发风, box \$13,\$0,DON万里的超 DONE: Fra, Slt \$t3, \$t2, \$to. bne \$t3, \$0, DONE. 有いくらい 石首村 add \$50, 050, 345 Sub \$50, \$to, \$t1 beg, 10\$ to), \$0, DONE. PONE: add \$vo, \$50, 4. (mul \$50, \$50, 10 7 Loop

gr sra.

2-24.3.

\$t2 = \$t1 + 10(2) = \$t1 + 2(10)

\$\frac{\frac{1}{2}\fra

2.26.1 use beg \$50, 50, 100p: 16 hit: 2.26.1 use beg \$50, 50, 100p: 16 hit: 200p = 1°C+ 4+ Relative Addr *4 216 x 4 > 0 x000/000, 1 branch.

2.26.2

 $LDOP = PC + 4 + RA \times 4$ $\Rightarrow RA = (LOOP - 4 - PC)/4$ 2x16 = 4 = 8

 $\frac{-0 \times 000 \times 0000 \times 000}{-0 \times 0000 \times 0000} = \frac{-1}{4} = \frac{-1}{4} \times 0 \times 000 \times 0000$

2.27.1

