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VE370 HW 5
    PanChongdan
                            Rb, -los, control signals
     516370910121
     1. SW instruction in IF/IV, RIb value in ID/Ex, RIb, outrol, ALU in EXIMEM, r-ntral, ALU Report in mention
    2.Pb, RHb. I FIID, I DIEX, EXIMEN are needed and MEM/WB is also read
     3. In Ex, it calculate the address of toolRb), culculate PC
       In MEM, it write data Ho it, calculate Porc
    4.
                      CC1 CC2 CC3 CC4 CC5 CC6
                      WB
        RIJOLRI)
    LW!
                      DM WB
   LW
         R2,16 (R2)
                      EX
                           DW
                                WB
        R1,R2,R4
    SLI
                                DW WB
                           EX
                      ID
    BEQ RIR9, LOOP
   ADD RI, RZRI
                           ID EX
                                     DW MB
                      JF
        22,0 (KI)
                           IF
                                ID
                                     ÈX
   LW
                                          DM
                                               WB
   LW R2, 16 (R2)
                                     ID
                                           EX
                                                DM
                                IF
                                     IF
                                          ID.
                                                EX
        R1, R2, R4
   SLI
                                           IF
                                                ID
   BEQ RI. R9, LDP
                                                IF
  ADD RI, RZ RI
  5. = = 40%
  6. BEORI, 29, Loop instruction, PC+4
  7. 30%.
                             ALUOP-00 MemWrite=0 Mem Real-1 Branch=0
 8. ALUSIC=1 Reg Dst=0
     Mento Reg = 1 Reg Write =1
     O It it's generated in Ex stage, then ExIMEM register can be smaller
    put Ex stage will be longer
10. Readafter Write 11-12, 13, 14 ($1) 12-14($2)
   Wite atter Read II~ D(52) II~ 13($1)
    Writeaffar Write 11-13($1)
  With formarling 12-14(52) 13-14(51) Without formarchy: 11-1213($1) 12-14($2) 13-14($1)
  $1=0 $2=0, $3=31
    add $1. $2, $1
                            NOP
    MP
                            MOI
   NOT
                            or $1, $1, $2
   Lw $20($1)
   Lw $1,461)
```

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