HARSH MOHAM SASON 20) lu \$+0, 16 (\$52) lw \$t1, 36 (\$51) .Sw \$+0, 36(\$52) sw \$t=, 16 (\$52) 2. \$51 = A1B2C3D4 In: Binary = 10100001 2011 0020 1200 0012 11010100 sar \$t2, \$52,3 The most significant bit is, they we add 3 one's to from left of tremoving the last 3 bits (0100) = 1111 0100 0011 0110 0101 1000 0111 1010 = 4 3 6 5 8 7 A \$t1 = F436587A we shift the right most bit and add a zero from slr \$+2,\$ t1, 1. Thus \$t_2 = 0111 1010 0001 1011 0010 1100 0011 1101 \$t2=7AIB2C3D

@ AIB2(3) y istored 3.) Sw \$51,4(\$zero). at address 0x... 04. # 5P6B7C8D4stored at address 0x. -- 08 5w \$ 52, 8(\$zero) # throw an error because there is address newly to In \$52,6(\$zero) be a multiple of 4 \$51 - AIB2(3D4 two memory accesses are made, Addressing Institype Register mod R type No) Start: add \$t2,\$52,\$51 Base displ.mad Itype PC-relative lw \$t0,4(9+2) Itype bre \$t0,\$55, End gmmediate Itype gumediate addi \$51,\$51,2 Itype subi \$51,851,1 manufe J type y Start) mode Pseudodirect End. addressing mode 8 89 16 bily 5 biM 56 W 6 bill 06 1001 01000 00011

Hex form [8)280004 5 8 21 3 10101 000101 01000 gn+lex > [15150003] 5.) The mode used in the jump instruction is Prendo-direct addressing mode. of uned for jumpin truding where detroit on the immediate and is used as instruction offset within the curvent 256 MB (B. reg is n defined by the 46th of PC. Foreg. Filoop. OP Offset PC 0111 0001010010 00 offs suift 1010100010100...10 00