QtSpim Proj1 - Notepad File Edit Format View Help File Simulator Registers Text Segment Data Segment Window Help # Data section .data FP Regs ArrNA: .asciiz "Array A: " # Used to print the array names Int Regs [16] ₽ × Data ArrNB: .asciiz "Array B: " = 400148User data segment [10000000]..[10040000] ArrNC: .asciiz "Array C: " EPC = 0[10000000]..[1000ffff] 00000000 .asciiz ", = 0[10010000] 61727241 3a412079 72410020 20796172 Cause Array A: . Array format: # Used to format the array values [10010010] 00203a42 61727241 3a432079 202c0020 BadVAddr = 0B: . Array C: ., .asciiz "\n" newline: # Prints a newline **Status** = 3000ff10 [10010020] 00000a00 00000001 00000002 00000003 [10010030] 00000004 00000005 00000006 00000007 # Arrays A, B, and C. To modify C change th evalues of A and/or B 00000009 [10010040] 00000008 0000000a 00000009 HI = 0# Note: the arrays must be of equal length [10010050] 00000008 00000007 00000006 00000005 LO = 000000004 00000003 00000002 00000001 [10010060] ArrA: .word 1, 2, 3, 4, 5, 6, 7, 8, 9, 10 [10010070] 00000064 0000000a 0000000a 0000000a d ArrB: .word 9, 8, 7, 6, 5, 4, 3, 2, 1, 100 R0 [r0] = 0[10010080] 0000000a 0000000a 0000000a 0000000a R1 [at] = 10010000 ArrC: .word 0, 0, 0, 0, 0, 0, 0, 0, 0 0000000a 0000000a 0000006e 0000000a [10010090] R2 [v0] = a[100100a0]..[1003ffff] 00000000 R3 [v1] = 0SIZE: .word 10 **R4** [a0] = 10010021 **R5** [a1] = 10010074User Stack [7ffff644]..[80000000] # Text section R6 [a2] = 1001004c00000002 7ffff717 7ffff6fd [7ffff644] .text R7 [a3] = 10010074[7ffff650] 00000000 7fffffel 7fffffb9 7fffff82 .globl main R8 [t0] = a[7ffff660] 7fffff46 7fffff15 7fffff00 7ffffedc R9 [t1] = 9[7ffff670] 7ffffeaa 7ffffe79 7ffffe51 7ffffe44 R10 [t2] = 24print_Arr: [7ffff680] 7ffffe2d 7ffffe02 7ffffdec 7ffffdd5 R11 [t3] = a[7ffff690] 7ffffdb3 7ffffda5 7ffffa62 7ffffa24 R12 [t4] = 647ffffa09 7ffff9ec 7ffff9a2 7ffff990 [7fffff6a0] move \$s0, \$a1 X Console R13 [t5] = 6ex . . .] . . . 9 [7ffff6b0] 7ffff978 7ffff95d 7ffff939 7ffff910 Array A: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10 Array B: 9, 8, 7, 6, 5, 4, 3, 2, 1, 100 R14 [t6] = 10010098 7ffff8f2 7ffff887 7ffff870 7ffff85c [7ffff6c0]p...\... li \$t0, 0 R15 [t7] = 0[7ffff6d0] 7ffff84d 7ffff837 7ffff80f 7ffff7e8 Array C: 10, 10, 10, 10, 10, 10, 10, 10, 10, 110 la \$t1, SIZE R16 [s0] = 1001009c[7ffff6e0] 7fffff7d5 7fffff7b3 7fffff7a3 7fffff787 lw \$t1, (\$t1) sub \$t1, \$t1, 1 Memory and registers cleared print_loop: SPIM Version 9.1.20 of August 29, 2017 Copyright 1990-2017 by James Larus. All Rights Reserved. bgt \$t0, \$t1, end_loop SPIM is distributed under a BSD license. See the file README for a full copyright notice. QtSPIM is linked to the Qt library, which is distributed under the GNU Lesser General Public License version 3 and version 2.1. lw \$a0, (\$s0) li \$v0, 1 Memory and registers cleared syscall SPIM Version 9.1.20 of August 29, 2017 beq \$t0, \$t1, no_form Copyright 1990-2017 by James Larus. All Rights Reserved. SPIM is distributed under a BSD license la \$a0, format # load ',' See the file README for a full copyright notice. QtSPIM is linked to the Qt library, which is distributed under the GNU Lesser General Public License version 3 and version 2.1. li \$v0, 4 syscall Memory and registers cleared no_form: SPIM Version 9.1.20 of August 29, 2017 Copyright 1990-2017 by James Larus. All Rights Reserved. addi \$s0, \$s0, 4 SPIM is distributed under a BSD license. addi \$t0, \$t0, 1 See the file README for a full copyright notice. QtSPIM is linked to the Qt library, which is distributed under the GNU Lesser General Public License version 3 and version 2.1. j print_loop Memory and registers cleared end_loop: SPIM Version 9.1.20 of August 29, 2017 Copyright 1990-2017 by James Larus. All Rights Reserved. la \$a0, newline SPIM is distributed under a BSD license. li \$v0, 4 See the file README for a full copyright notice. QtSPIM is linked to the Qt library, which is distributed under the GNU Lesser General Public License version 3 and version 2.1. syscall Memory and registers cleared jr \$ra SPIM Version 9.1.20 of August 29, 2017 Copyright 1990-2017 by James Larus. All Rights Reserved. add_Arr: SPIM is distributed under a BSD license. See the file README for a full copyright notice. QtSPIM is linked to the Qt library, which is distributed under the GNU Lesser General Public License version 3 and version 2.1. move \$s1, \$a1 # loading arrays to add move \$s2, \$a2 # using diffrent s reigsters to prevent overlapp -