

4 A) bat \$50, \$51, AI BLE \$51, \$52, next AI: out ori \$53, \$ zero, 2 vext: B) bgt \$ 50, \$ 51, next ble \$ 51, \$ 52, Next ble \$51, \$52, Next (aci \$53, \$zera, 1 Next: addu \$ to, \$ zero, \$ zero

addu \$ t1, \$ a 0, \$ zero

addu \$ t2, \$ at, \$ zero

addiu \$ t3, \$ zero, 101

1w \$ t4, 0 (\$t2)

addu \$ t5, \$ t4, \$ 50 Loop: sw \$ +5, 0 (\$ ±1)
addiu \$ ±0, 8 ±0, 1
addiu \$ ±1, \$ ±1, 4 add: u \$t 2, \$t2, 4
bne \$t0, \$t3, Laop

6. Line1: # \$ta=0 Line 2: # \$t1 = 1 Line 3: # \$ (\$t1>\$00) or (\$00 = \$ t1) Line 4: # exits Loap when \$(\$+1>\$a9) Line 5: # \$t0 = \$ t0 + \$t1 line 6: # \$t1 = \$t1+2 Line 7: # Loop repeat Line 8: # \$vg = \$t0 \$ UB or the output. is the Sum of add pasitive interes less than or equal to 1. This code checks the array for matching values. \$10 is the number of occurences of the mat element that has the most matches where \$ 12 is the actual value of the repeated elevents

N.