Stephen Sallas 2/6/20 HW4 a. data VALA BYTE 2 · Code mov eax, val A sub eax, 3 ; setting sign flog add eax, 3 , resetting sign from b. data VOIA SBYTE -125 VOIB SBYTE 127 · Code neg valA ; setting overflow floor nay val B ; reserving overflow from data VALA BYTE 2 code mer eax, valA Sub eux, 2 ; Settling zero flag add enx, 2 , reserving now have D. 4= 1000 5= 0101 13 = 1101 + add # at 2 bits so (Parity Flag = 0)

2. NOT SURE IF "odd elements of the orray" REFERS TO INEX POSITION IN ARRAY OR DECIMAL EQUIVALENT! ASSUMING INDEX POSITION MON AX, Alpha add Ax, [Alpha+1] ; moving index 1 add Ax, [Alpha+3]; adding Index 3 add Ax, [Alpha + 6] ; adding index 5 mov sum, Ax ; moving total into sum. ASSUMING DECIMAL EQUIVALENT MOV AX, Alpha add AX, [Alphu+1] ; moving 28h = 43 add AX, [Alpha +5] , noving 6003 = 27907 MOV SUM, AX ; moving total into Sum 3. a. AX = 4411h b. EAX = 76564321h C. AX = BHC4h d. Ax = 6000h e. Ax = \$\$\$\$h 4. TYPE myorray = 16 bytes longthof regarding = 8 5120 of myoring = 16 (4) = 126 (0x= 124)

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HWH (cont.)

5. a. EAX = AFFF BUYCh

b. EDX = FFFFFFFUCh

C. CX= FFBHh

d. EAX= 0000(D23h

e. EDX= 000000 23h

1. (x= 00 Coh

6. move ax, vora ; ax = 1000h

move ox, [var2+4]; ax = 3000h

MOVE OX, VUB ; Ax = - 21 or FFEBA

more ax, [w3-2) , ax = -21 or FFEBL