Assignment 1 B>D 1100 1011

2 2 2 2 2 2 2 2 2 2 2

128+64 +8 +2+1 0011 0101 2.

764+32+8+1

1000 0011 3.

128 +2+1 =

4. 1000 11 [1 2222

128+8+4+2+1

B 7 H

1100 1100 = CC 1 0001 R FI IIII 2 1000 1100 3 = 31

1100 0010 = C2

= 105

= 131

= 143

= 203

Assignment 1 (cont.)

H > B

- 1. 0x 45 = 0100 0101
- 2. 0x FA = 1111 1010
- 3. 0x 5D = 0101 1101
- 4. 0x 99 = 1001 1001

H + D

- 1. 0x 5 A = 5.16 + 10.16 = 80 + 10 = 90
- 2. 0x CC = 12.16 + 12.16° = 192+12=204
- 3. 0x 97 = 9.16 + 7.16° = 144 +7 = 151
- 4. $0 \times 40 = 4 \cdot 16^{1} + 0 \cdot 16^{0} = 64$

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Assignment 1 (cont.)
  DAB
               = 11010101
  2 213
   2106-1
   2 53 - 0
                     4. 2/99 = 1100011
    2 26 - 1
                     2 24-1
     2 6-1
                        2 12-0
                         2 6-0
                         2 3 -0
        1 - 1
                          2 1 -1
          = 1001
2
                    DIH
  2 4 - 1
                    1.16 233 = E9
  2 2-0
     1 - 0
                    2. 16 21 = 15
                       1-5
 2 67 =1000011
3
                    3.16 9 = 09
   2 33-1
                          0 - 9
   2 16-1
    2 8-0
                    4. 916 75 = 4B
     2 4-0
                          4-11
     2 2-0
       1-0
```

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