Chapter 7 Problem Set

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Problem 9:

A. $(((a * b)^{1} - 1)^{2} + c)^{3}$
B. $(((a * (b - 1)^{1})^{2} / c)^{3}$ **mod** $d)^{4}$
C. $(((a - b)^{1} / c)^{5}$ & $(((d * e)^{2} / a)^{3} - 3)^{4})^{6}$
D. $((-a)^{1}$ **or** $((c = d)^{2}$ **and** $e)^{3})^{4}$
E. $(((a > b)$**1 xor** $c)$**3 or** $(d <= 17)$**2**$)$**4**
F. $(-(a + b)$**1**$)$**2**

Problem 13:

A. Left to Right:

Sum1 = (10/2) + fun(&i) { i = 10 }
Sum1 = 5 + [3 * 14 - 1] { i = 14 }
Sum1 = 5 + [41] { i = 14 }
Sum1 = 46

Sum2 = fun(&j) + (j / 2) { j = 10 }
Sum2 = (41) + (14 / 2) { j = 14 }
Sum2 = (41) + (7) { j = 14 }
Sum2 = 48

B. Right to Left:

Sum1 = (i/2) + fun(&i) { i = 10 }
Sum1 = (14/2) + [3 * 14 - 1] { i = 14 }
Sum1 = (7) + [39] { i = 14 }
Sum1 = 46

Sum2 = fun(&j) + (10 / 2) { j = 10 }
Sum2 = (3 * 14 - 1) + (5) { j = 14 }
Sum2 = (39) + (5) { j = 14 }
Sum2 = 44

Problem 20:

A. Left to Right:

x = x + fun(&x){ x = 3}
  = 3 + [4]{ x = 8}
x = 7

B. Right to Left:

x = x + fun(&x){ x = 3}
  = 8 + [4]{ x = 8}
x = 12