20161210 유정호

1.

1) $(((a*b)'-1)^2+c)^3$

2) $(((a*(b-1)')^2/c)^3 \bmod d)^4$

3) $(((a-b)'/c)^5 \& (((d*e)^2/a)^3-3)^4)^6$

4) $((-a)' \text{ or } ((c=d)^2 \text{ and } e)^3)^4$

5) $(((a>b)' \text{ xor } c)^3 \text{ or } (d<=17)^2)^4$

6) $(-(a+b)')^2$

2.

1) $(a*b(-(1+c)')^2)^3$

2) $(a*((b-1)/(c \bmod d)')^2)^3$

3) $((a-b)/(c \& (d*(e/(a-3)')^2)^3)^4)^5$

4) $(-(a \text{ or } (c=(d \text{ and } e)')^2)^3)^4$

5) $(a>(b \text{ xor } (c \text{ or } (d<=17)')^2)^3)^4$

6) $(-(a+b)')^2$

3. 1) (i/2) = 5 fun(&i) *i = 14 return 41

sum1 = 5 + 41 = 46

fun(&j) *j = 14 return 41 (j/2) = 7

sum2 = 41 + 7 = 46

2) fun(&i) *j = 14 return 41 (i/2) = 7

sum1 = 7 + 41 = 48

(j/2) = 5 fun(&j) = 41

sum2 = 46

4. 1) $x = 3 + fun(\overset{3}{\&x}) = 3 + 4 = 7$

2) $x = \overset{8}{x} + fun(\&x) = 8 + 4 = 12$

5. With the function call on the right, b is: 30

With the function call on the left, b is: 40