Indication CS Sheel #106

(\*) Problem 6.1=

(a) 
$$c2 \Rightarrow 1100 0010$$
 $ac \Rightarrow 1010 1100$ 
 $f0 \Rightarrow 1111 1111$ 
 $g1 \Rightarrow 1001 1111$ 
 $g2 \Rightarrow 1001 0010$ 
 $bb \Rightarrow 1011 1011$ 
 $e2 \Rightarrow 1110 0010$ 
 $86 \Rightarrow 1000 0110$ 
 $f0 \Rightarrow 1111 0000$ 
 $g1 \Rightarrow 1001 1111$ 
 $g2 \Rightarrow 1001 0111$ 
 $g2 \Rightarrow 1110 0000$ 

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a) 
$$D(B,F,I) := (\neg B \rightarrow F) \Lambda((B \cap F) \rightarrow \neg I) \Lambda((I \vee \neg B) \rightarrow \neg F)$$

6)

B	F	I	¬B→F	(BAF)>7I	([V7B)>7F	Resultant Output
00001111	00110011	01010101	0011111	11111110	11001110	0000011190

C) Using the table to derive a formula of Bodean Algebra and simplifying it as follows:

$$(B.\overline{F.I})_{+}(B.\overline{F.I})_{+}(B.\overline{F.I})$$

$$=(B.\overline{F})(\overline{I+I})_{+}(B.\overline{F.I})$$

$$=(B.\overline{F})(1)_{+}(B.\overline{F.I})$$

$$=(B.\overline{F})(1)_{+}(B.\overline{F.I})$$

$$=(B.\overline{F+F.I})_{+}(B.\overline{F.I})$$

$$=(B.\overline{F+I})_{+}(B.\overline{F.I})$$

$$=(B.\overline{F+I})_{+}(B.\overline{F-I})$$

$$=(B.\overline$$