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Internal Nodes: "Saturating" adder	
Truth table too large, 6 input k-map not-feasible to do by hard.	
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Using an online equation simplifier:  A is left input, Bis right input.  G = B2 + A3 + A1 B1 + A0 B1 B0 + A1 A0 B0	
1001	
G = B2 + A2 +A1 B1 + A0 B1 B0 + A1 A0 B0	
$6_1 = R_1 + A_1 + A_0 R_0$	
$\theta_o = A_o \oplus B_o$	
P.L. ()	
Root node:	
N A A TD - 744	
σ <sub>2</sub> θ H <sub>0</sub> (ε   t <sub>w</sub>	
0 ( 0   0 0	
A <sub>2</sub> A <sub>1</sub> A <sub>0</sub> TP T TM  O O O I O O  O I I O O  O I I O I O  I O O O O	
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101001	
1 1 0 0 0 1	
1, ( 0 0 ,	
THREE = A, A, A, A, A, A, TOO_ FEW= A, A, + A, A, A, TOO_ MANY= A2	
700_FEW= A, A, +A, Ao	
700, MAIV- A2	
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