

6.004 - Computation Structures

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Full Adder

Equation for 6.004:

$$AB + AC_{in} + B.C_{in} \tag{1}$$

$$\overline{(\overline{A} \cdot \overline{B}) \cdot (\overline{A} \cdot \overline{C_{in}}) \cdot (\overline{B} \cdot \overline{C_{in}})}$$

$$\overline{(\overline{A} \cdot \overline{B}) \cdot (\overline{A} \cdot \overline{C_{in}}) \cdot (\overline{B} \cdot \overline{C_{in}})} \tag{2}$$