

CSIE 2344: Discussion (Unit 3)

1 Another Distributive Law?

Is the following distributive law valid? $A \oplus BC = (A \oplus B)(A \oplus C)$. Prove your answer.

2 Sum of Products

Reduce to a minimum sum of products: $F = WXY' + (W'Y' \equiv X) + (Y \oplus WZ)$.

3 True or False

Which of the following statements are always true? Justify your answers.

- If $A + B = C$, then $AD' + BD' = CD'$.
- If $AD' + BD' = CD'$, then $A + B = C$.
- If $A + B = C$, then $A + B + D = C + D$.
- If $A + B + D = C + D$, then $A + B = C$.