

$$A.B+A.(B+C)+B.(B+C)$$

$$B.(B+C) = B \rightarrow A.B+A.(B+C)+B$$

$$A.B+A.(B+C)+B$$

$$A.B+B = B \rightarrow B+A.(B+C)$$

$$B+A.(B+C)$$

$$B+A.B = B \rightarrow B+A.C$$