

# Tuesday Reading Assessment: Chapter 4

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## 1 Boolean Algebra

1. Write the truth table for the following boolean expression:

$$\bar{X}\bar{Y}\bar{Z} + \bar{X}\bar{Y}Z + XY\bar{Z} + X\bar{Y}Z + \bar{X}YZ \quad (1)$$

## 2 Logic Circuits and Boolean Algebra

1. Write the boolean expression for the circuit in Fig. 1.

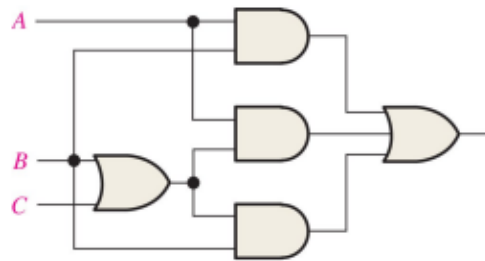


Figure 1: What is the logical expression for the output?