

# BOOLEAN THEOREM

SIMPLIFY BELOW

$$\begin{aligned} Z &= \bar{A}\bar{B}\bar{C} + A\bar{B}\bar{C} + B\bar{C}D \\ &= \bar{B}\bar{C} (\bar{A} + A) + B\bar{C}D \\ &= \bar{B}\bar{C} (1) + B\bar{C}D \\ &= \bar{B}\bar{C} + B\bar{C}D \end{aligned}$$

$$\text{ANS} = \bar{B}\bar{C}$$

I CAN SIMPLIFY UP TO THE  
STAGE ABOVE BUT I DO NOT  
UNDERSTAND HOW TO GO ANY FURTHER  
AND THE CANCELING PROCEDURE