

$$A + \bar{A}B$$



Applying the previous rule to expand **A** term

$$A + AB = A$$

$$A + AB + \bar{A}B$$



Factoring **B** out of 2nd and 3rd terms

$$A + B(A + \bar{A})$$



Applying identity $A + \bar{A} = 1$

$$A + B(1)$$



Applying identity $1A = A$

$$A + B$$