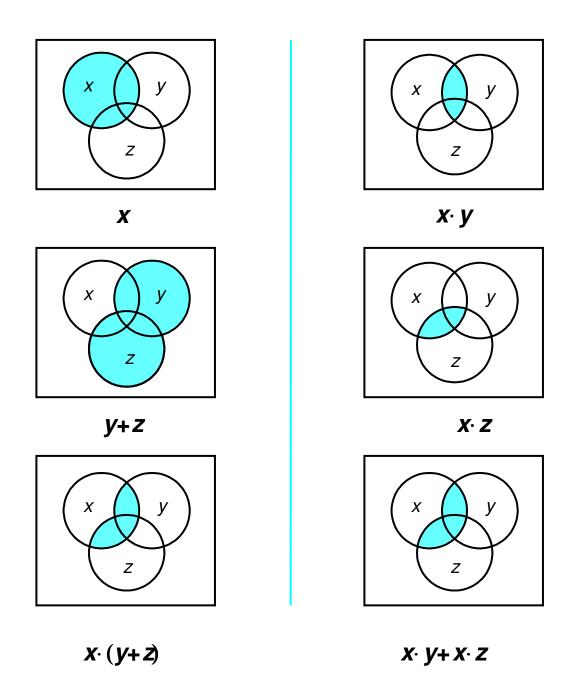
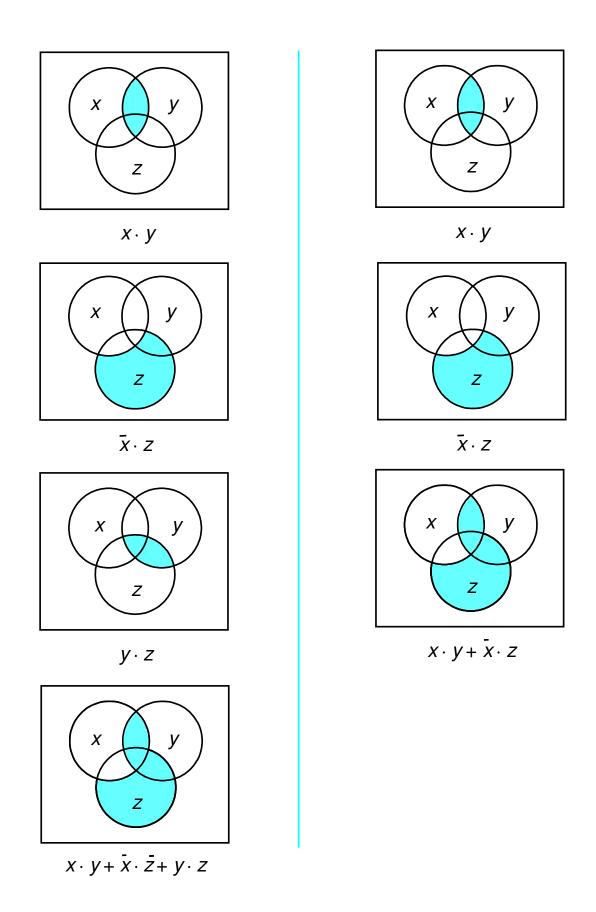


The Venn diagram representation



Verification of the distributive property



Verification of $x \cdot y + \bar{x} \cdot z + y \cdot z = x \cdot y + \bar{x} \cdot z$