

<i>a1</i>	$(A \cup B) \cup C = A \cup (B \cup C)$	<i>a2</i>	$(A \cap B) \cap C = A \cap (B \cap C)$
<i>b1</i>	$A \cup B = B \cup A$	<i>b2</i>	$A \cap B = B \cap A$
<i>c1</i>	$A \cup (A \cap B) = A$	<i>c2</i>	$A \cap (A \cup B) = A$
<i>d1</i>	$A \cup (B \cap C) = (A \cup B) \cap (A \cup C)$	<i>d2</i>	$A \cap (B \cup C) = (A \cap B) \cup (A \cap C)$
<i>e1</i>	$A \cup A^c = \mathcal{U}$	<i>e2</i>	$A \cap A^c = \emptyset$
<i>f1</i>	$A \cup A = A$	<i>f2</i>	$A \cap A = A$
<i>g1</i>	$A \cup \emptyset = A$	<i>g2</i>	$A \cap \mathcal{U} = A$
<i>h1</i>	$A \cap \emptyset = \emptyset$	<i>h2</i>	$A \cup \mathcal{U} = \mathcal{U}$
<i>i1</i>	$\emptyset^c = \mathcal{U}$	<i>i2</i>	$\mathcal{U}^c = \emptyset$
<i>j1</i>	$(A \cup B)^c = A^c \cap B^c$	<i>j2</i>	$(A \cap B)^c = A^c \cup B^c$
<i>k</i>	$(A^c)^c = A$		