



vi) $n(A \cap B) = n(A)$ if $A \subseteq B$.

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vii)
$$A - B = A$$
 if $A \cap B = \phi$
viii) $n(A \cap B) = O$ if $A \cap B = \phi$
if $B = A'$ or $A = B'$
if $A \cap B = B \cap A$
if $U = A$
if $U = \{1, 2, 3, 4, 5, 6, 7, 8, 9, 10\}$
 $A = \{2, 4, 6, 8, 10\}$
 $B = \{1, 2, 3, 4, 5, 6, 7, 8, 9, 10\}$
if $A^{C} = U - A$
 $= \{1, 3, 5, 7, 9\}$
if $A \cap B = \{6, 8, 10\}$
if $A \cap B = \{6, 8, 10\}$
if $A \cap B = \{6, 8, 10\}$
if $A \cap C = \{7, 3, 5, 7, 9, 8, 9, 10\}$
if $A^{C} \cup C^{C} = (U - A) \cup (U - C)$
 $= \{1, 2, 3, 4, 5, 6, 7, 8, 9, 10\}$
if $A^{C} \cup C^{C} = (U - A) \cup (U - C)$
 $= \{1, 2, 3, 4, 5, 6, 7, 8, 9, 10\}$
if $A^{C} \cup C^{C} = (U - A) \cup (U - C)$
 $= \{1, 2, 3, 4, 5, 6, 7, 8, 9, 10\}$
if $A^{C} \cup C^{C} = \{1, 3, 5, 7, 9, 8, 9, 10\}$
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if $A^{C} \cup C^{C} = \{1, 3, 5, 7, 9, 8, 9, 10\}$
if $A^{C} \cup A^{C} \cup$

viii)
$$U^{c} = U - U$$

 $= \oint$
 $Q # S:$
 $P A =$
 $Q = U - A$
 $Q = U$
 $Q = A$
 $Q = A$

