13 Ns Mumeuro Erena K3220 A={1,2,3,4,5} A (BUC) = (A 1B) 1 (A 1C) B=[2,4,6,8] 1C={7,3,2,14 1) (BUC) = { 1,2,3,4,6,7,8} A1(BUC)={5} 2) (A1B)={1,3,5} (A1C)={4,5} (AIB) N (AIC) = {5} @ A\(Bnc)=(A\B)v(A\c) 1) (BAC)={2} A1 (BAC)={1,3,4,5} 2) (A1B)={1,3,5) (A1C)={4,5} (AIB) W(AIC) = (1,3,4,5) 3 Al(AlB)=AAB A \ (A \ B) = {2,4} 1) A \B = {1,3,5} 2) ANB = {2,4} (A NB = A \ (A NB) 1) AIB=[1,3,5] 2) ANB={2,4} AN(ANB)={1,3,5} (A NB) (A NC)

(A NB) (A NC)A $(B \setminus C) = (A \cap B) \setminus (A \cap C)$ A) $B \setminus C = \{4, 6, 8\}$ $A \cap (B \setminus C) = \{4\}$ A) $A \cap B = \{2, 4\}$ $A \cap C = \{4\}$ $(A \cap B) \setminus (A \cap C) = \{4\}$

(a)
$$(A \cap B) \setminus (A \cap C) = (A \cap B) \setminus C$$

(b) $(A \cap B) = \{2,4\}$ $(A \cap C) = \{4,2,3\}$
(c) $(A \cap B) \setminus (A \cap C) = \{4\}$
(d) $(A \cap B) \setminus C = \{4\}$
(e) $(A \cap B) \setminus C = \{4\}$

(a)
$$A \cap (B \setminus C) = (A \cap B) \setminus C$$

1) $B \setminus C = \{4,6,8\}$ $A \cap (B \setminus C) = \{4\}$
2) $A \cap B = \{2,4\}$ $(A \cap B) \setminus C = \{4\}$

1)
$$A NB = \{2,4\}$$
 $\overline{B} = \{1,3,5,7\}$ $A N\overline{B} = \{1,3,5\}$
 $(A NB) \cup (A N\overline{B}) = \{1,2,3,4,5\}$

(I)
$$(AUB) \Lambda (AUB) = A$$

(I) $(AUB) = \{1, 2, 3, 4, 5, 6, 8\}$ $(AUB) = \{1, 2, 3, 4, 5\}$
(AUB) $\Lambda (AUB) = \{1, 2, 3, 4, 5\}$
2) $A = \{1, 2, 3, 4, 5\}$

(12)
$$(AUB) \cap A = A \cap B$$

 $(AUB) \cap A = \{2,4\}$
 $(AUB) \cap A = \{2,4\}$
 $(AUB) \cap A = \{2,4\}$
2) $A \cap B = \{2,4\}$

(4) A1(B1C) = (A1B)
$$U(ANC)$$

1. B1C = {4,6,8} A1(B1C) = {1,2,3,5}
2. A1B = {1,3,5} ANC = {1,2,3}
(A1B) $U(ANC)$ = {1,2,3,5}