lapuonol Muxam K3220 18.02.2022

- (a) $A \setminus (B \cap C) = (A \setminus B) \cup (A \setminus C)$ $A \setminus (B \cap C) = \{(1, 2, 3, 4, 5) \setminus \{2\} = \{(1, 3, 4, 5\} \}$ $(A \setminus B) \cup (A \setminus C) = \{(1, 3, 5\} \cup \{4, 5\} = \{1, 3, 4, 5\} \}$ $\{(1, 3, 4, 5\} = \{(1, 3, 4, 5\} \} \cup \{5, 5\} \}$
- (3) $A \setminus (A \setminus B) = (A \cap B)$ $A \setminus (A \setminus B) = \{1, 2, 3, 4, 5\} \setminus \{1, 3, 5\} = \{2, 4\}$ $A \cap B = \{2, 4\}$ $\{2, 4\} = \{2, 4\}$ $\forall 1. 7. 7.$ (4) $A \setminus B = A \setminus (A \cap B)$
- $A \setminus B = \{1, 3, 5\}$ $A \setminus \{A \cap B\} = \{1, 2, 3, 4, 5\} \setminus \{2, 4\} = \{1, 3, 5\}$ $\{1, 3, 5\} = \{1, 3, 5\} \quad \text{U.T.D.}$
- (5) An(B(C) = (AnB)\(AnC)
 An(B(C) = {1,2,3,4,5} n {4,6,8} = {4}
 (AnB)\(AnC) = {2,4}\{1,2,3} = {4}
 {43 = {43} 2,7,8.
- $\begin{array}{l} \text{Percentage} & \text{Percentage} \\ \text{Perc$
- - (3) AUB = AU(B\A)

 AUB = {1,2,3,4,5,6,8}

 AU(B\A) = {1,2,3,4,5}U{6,8} = {1,2,3,4,5,6,8}

 {1,2,3,4,5,6,8} = {1,2,3,4,5,6,8}

 V.T.D.
 - (ANB) U(ANB) = A (ANB) U(ANB) = {2,4} U {1,3,5} = {1,2,3,4,5} {1,2,3,4,5} = {1,2,3,4,5} 4,5.

- (AUB) \(\text{AUB}) = A \(\text{AUB}\)\(\text{AUB}) = \(\frac{1}{2},\frac{1}{2
- (AUB) NA = (ANB)

 (AUB) NA = (24,6,2,8) N (1,2,5,4,5) = {2,4}

 (ANB) = {2,4}

 22,43 = {2,4}

 4,52
- (AUB)\C = (A\C) U(B\C) (AUB)\C = $\{1,2,3,4,5,6,3\}\setminus\{2,3,2,1\}=\{4,5,6,8\}$ (A\C) U(B\C) = $\{4,5\}$ U $\{4,6,8\}=\{4,5,6,8\}$ $\{4,5,6,8\}=\{4,5,6,8\}$ $\{7,5\}$