

X Math@MUT XXXM4/1-6800102-00001XX
Set02 Answers for No.10441

$$Ans1 = \begin{bmatrix} n(A \cup B) = 23 & n(A') = 19 & n(B') = 17 \\ n(A - B) = 5 & n(B - A) = 7 & n(A \cup B') = 28 \\ n(A' \cup B') = 24 & n(A - B') = 11 & n((A \cap B)') = 24 \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 39 & n(A - B) = 9 & n(A' \cap C') = 8 \\ n(C - A) = 10 & n(\text{intersect}(A, C, B')) = 2 & n((A \cup B') - C) = 18 \\ n(C \cap (A' \cup B')) = 5 & n(C - (A \cap B)) = 12 & n(A - B - C) = 7 \end{bmatrix}$$

$$Ans3 = [ans.1 = 30, ans.2 = 57, ans.3 = 26], \quad , \quad Ans4 = 18, \quad , \quad Ans5 = 19$$

$$Ans6 = 8, \quad , \quad Ans7 = 2, \quad , \quad Ans8 = 48, \quad , \quad Ans9 = 16, \quad , \quad Ans10 = 100$$

X Math@MUT XXXM4/1-6800102-00002XX
Set02 Answers for No.10442

$$Ans1 = \begin{bmatrix} n(A \cup B) = 34 & n(A') = 12 & n(B') = 21 \\ n(A - B) = 14 & n(B - A) = 5 & n(A \cup B') = 36 \\ n(A' \cup B') = 26 & n(A - B') = 15 & n((A \cap B)') = 26 \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 43 & n(A - B) = 8 & n(A' \cap C') = 11 \\ n(C - A) = 15 & n(\text{intersect}(A, C, B')) = 0 & n((A \cup B') - C) = 20 \\ n(C \cap (A' \cup B')) = 9 & n(C - (A \cap B)) = 15 & n(A - B - C) = 8 \end{bmatrix}$$

$$Ans3 = [ans.1 = 31, ans.2 = 58, ans.3 = 14], \quad , \quad Ans4 = 11, \quad , \quad Ans5 = 8$$

$$Ans6 = 11, \quad , \quad Ans7 = 7, \quad , \quad Ans8 = 52, \quad , \quad Ans9 = 11, \quad , \quad Ans10 = 0$$

X Math@MUT XXXM4/1-6800102-00003XX
Set02 Answers for No.10469

$$AnsI = \begin{bmatrix} n(A \cup B) = 26 & n(A') = 26 & n(B') = 25 \\ n(A - B) = 10 & n(B - A) = 11 & n(A \cup B') = 30 \\ n(A' \cup B') = 36 & n(A - B') = 5 & n((A \cap B)') = 36 \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 36 & n(A - B) = 6 & n(A' \cap C') = 16 \\ n(C - A) = 13 & n(\text{intersect}(A, C, B')) = 2 & n((A \cup B') - C) = 22 \\ n(C \cap (A' \cup B')) = 1 & n(C - (A \cap B)) = 15 & n(A - B - C) = 4 \end{bmatrix}$$

$$Ans3 = [ans.1 = 34, ans.2 = 54, ans.3 = 25], \quad , \quad Ans4 = 23, \quad , \quad Ans5 = 15$$

$$Ans6 = 11, \quad , \quad Ans7 = 3, \quad , \quad Ans8 = 49, \quad , \quad Ans9 = 5, \quad , \quad Ans10 = 110$$

X Math@MUT XXXM4/1-6800102-00004XX
Set02 Answers for No.10479

$$Ans1 = \begin{bmatrix} n(A \cup B) = 34 & n(A') = 25 & n(B') = 19 \\ n(A - B) = 7 & n(B - A) = 13 & n(A \cup B') = 33 \\ n(A' \cup B') = 32 & n(A - B') = 14 & n((A \cap B)') = 32 \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 26 & n(A - B) = 13 & n(A' \cap C') = 12 \\ n(C - A) = 3 & n(\text{intersect}(A, C, B')) = 9 & n((A \cup B') - C) = 12 \\ n(C \cap (A' \cup B')) = 2 & n(C - (A \cap B)) = 12 & n(A - B - C) = 4 \end{bmatrix}$$

$$Ans3 = [ans.1 = 39, ans.2 = 51, ans.3 = 11], \quad , \quad Ans4 = 17, \quad , \quad Ans5 = 15$$

$$Ans6 = 16, \quad , \quad Ans7 = 3, \quad , \quad Ans8 = 39, \quad , \quad Ans9 = 11, \quad , \quad Ans10 = 20$$

[illegible]

Set02 Answers for No.10506

$$Ans1 = \begin{bmatrix} n(A \cup B) = 34 & n(A') = 24 & n(B') = 18 \\ n(A - B) = 7 & n(B - A) = 13 & n(A \cup B') = 32 \\ n(A' \cup B') = 31 & n(A - B') = 14 & n((A \cap B)') = 31 \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 44 & n(A - B) = 19 & n(A' \cap C') = 15 \\ n(C - A) = 10 & n(\text{intersect}(A, C, B')) = 10 & n((A \cup B') - C) = 16 \\ n(C \cap (A' \cup B')) = 5 & n(C - (A \cap B)) = 20 & n(A - B - C) = 9 \end{bmatrix}$$

$$Ans3 = [ans.1 = 40, ans.2 = 63, ans.3 = 26], \quad , \quad Ans4 = 18, \quad , \quad Ans5 = 14$$

$Ans6 = 14,$, $Ans7 = 1,$, $Ans8 = 41,$, $Ans9 = 3,$, $Ans10 = 60$

Set02 Answers for No.10514

$$AnsI = \begin{bmatrix} n(A \cup B) = 18 & n(A') = 13 & n(B') = 10 \\ n(A - B) = 5 & n(B - A) = 8 & n(A \cup B') = 15 \\ n(A' \cup B') = 18 & n(A - B') = 5 & n((A \cap B)') = 18 \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 37 & n(A - B) = 5 & n(A' \cap C') = 11 \\ n(C - A) = 19 & n(\text{intersect}(A, C, B')) = 0 & n((A \cup B') - C) = 10 \\ n(C \cap (A' \cup B')) = 1 & n(C - (A \cap B)) = 19 & n(A - B - C) = 5 \end{bmatrix}$$

$Ans3 = [ans.1 = 30, ans.2 = 48, ans.3 = 17], \quad , \quad Ans4 = 14, \quad , \quad Ans5 = 16$

$$Ans6 = 14, \quad , \quad Ans7 = 6, \quad , \quad Ans8 = 51, \quad , \quad Ans9 = 11, \quad , \quad Ans10 = 10$$

Set02 Answers for No.10520

$$AnsI = \begin{bmatrix} n(A \cup B) = 23 & n(A') = 22 & n(B') = 26 \\ n(A - B) = 11 & n(B - A) = 7 & n(A \cup B') = 31 \\ n(A' \cup B') = 33 & n(A - B') = 5 & n((A \cap B)') = 33 \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 51 & n(A - B) = 12 & n(A' \cap C') = 12 \\ n(C - A) = 16 & n(\text{intersect}(A, C, B')) = 5 & n((A \cup B') - C) = 22 \\ n(C \cap (A' \cup B')) = 6 & n(C - (A \cap B)) = 21 & n(A - B - C) = 7 \end{bmatrix}$$

$$Ans3 = [ans.1 = 39, ans.2 = 62, ans.3 = 16], \quad , \quad Ans4 = 13, \quad , \quad Ans5 = 7$$

$$Ans6 = 14, \quad , \quad Ans7 = 9, \quad , \quad Ans8 = 39, \quad , \quad Ans9 = 12, \quad , \quad Ans10 = 120$$

Set02 Answers for No.10638

$$Ans I = \begin{bmatrix} n(A \cup B) = 27 & n(A') = 17 & n(B') = 16 \\ n(A - B) = 9 & n(B - A) = 10 & n(A \cup B') = 24 \\ n(A' \cup B') = 26 & n(A - B') = 8 & n((A \cap B)') = 26 \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 59 & n(A - B) = 16 & n(A' \cap C') = 14 \\ n(C - A) = 19 & n(\text{intersect}(A, C, B')) = 10 & n((A \cup B') - C) = 17 \\ n(C \cap (A' \cup B')) = 9 & n(C - (A \cap B)) = 29 & n(A - B - C) = 6 \end{bmatrix}$$

$$Ans3 = [ans.1 = 36, ans.2 = 56, ans.3 = 23], \quad , \quad Ans4 = 21, \quad , \quad Ans5 = 13$$

$Ans6 = 11$, , $Ans7 = 8$, , $Ans8 = 44$, , $Ans9 = 12$, , $Ans10 = 60$

:

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 28 & n(A - B) = 10 & n(A' \cap C') = 8 \\ n(C - A) = 4 & n(\text{intersect}(A, C, B')) = 8 & n((A \cup B') - C) = 10 \\ n(C \cap (A' \cup B')) = 4 & n(C - (A \cap B)) = 12 & n(A - B - C) = 2 \end{bmatrix}$$

$$Ans6 = 12, \quad , \quad Ans7 = 7, \quad , \quad Ans8 = 44, \quad , \quad Ans9 = 15, \quad , \quad Ans10 = 140$$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 49 & n(A - B) = 16 & n(A' \cap C') = 11 \\ n(C - A) = 14 & n(\text{intersect}(A, C, B')) = 6 & n((A \cup B') - C) = 17 \\ n(C \cap (A' \cup B')) = 7 & n(C - (A \cap B)) = 20 & n(A - B - C) = 10 \end{bmatrix}$$

$Ans6 = 14$, , $Ans7 = 9$, , $Ans8 = 48$, , $Ans9 = 6$, , $Ans10 = 80$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 43 & n(A - B) = 13 & n(A' \cap C') = 13 \\ n(C - A) = 11 & n(\text{intersect}(A, C, B')) = 8 & n((A \cup B') - C) = 21 \\ n(C \cap (A' \cup B')) = 2 & n(C - (A \cap B)) = 19 & n(A - B - C) = 5 \end{bmatrix}$$

$Ans6 = 8,$, $Ans7 = 4,$, $Ans8 = 37,$, $Ans9 = 12,$, $Ans10 = 100$

$$\begin{aligned}
 & Ans1 = \left[\begin{array}{lll} n(A \cup B) = 27 & n(A') = 25 & n(B') = 21 \\ n(A - B) = 9 & n(B - A) = 13 & n(A \cup B') = 26 \\ n(A' \cup B') = 34 & n(A - B') = 5 & n((A \cap B)') = 34 \end{array} \right] \\
 & Ans2 = \left[\begin{array}{lll} n(\text{union}(A, B, C)) = 43 & n(A - B) = 12 & n(A' \cap C') = 18 \\ n(C - A) = 8 & n(\text{intersect}(A, C, B')) = 10 & n((A \cup B') - C) = 16 \\ n(C \cap (A' \cup B')) = 9 & n(C - (A \cap B)) = 18 & n(A - B - C) = 2 \end{array} \right] \\
 & Ans3 = [ans.1 = 47, ans.2 = 72, ans.3 = 15], \quad , \quad Ans4 = 13, \quad , \quad Ans5 = 19 \\
 & Ans6 = 17, \quad , \quad Ans7 = 9, \quad , \quad Ans8 = 45, \quad , \quad Ans9 = 15, \quad , \quad Ans10 = 0
 \end{aligned}$$
$$\begin{aligned}
Ans1 &= \begin{bmatrix} n(A \cup B) = 30 & n(A') = 23 & n(B') = 15 \\ n(A - B) = 5 & n(B - A) = 13 & n(A \cup B') = 27 \\ n(A' \cup B') = 28 & n(A - B') = 12 & n((A \cap B)') = 28 \end{bmatrix} \\
Ans2 &= \begin{bmatrix} n(\text{union}(A, B, C)) = 39 & n(A - B) = 12 & n(A' \cap C') = 12 \\ n(C - A) = 15 & n(\text{intersect}(A, C, B')) = 7 & n((A \cup B') - C) = 14 \\ n(C \cap (A' \cup B')) = 5 & n(C - (A \cap B)) = 22 & n(A - B - C) = 5 \end{bmatrix} \\
Ans3 &= [ans.1 = 33, ans.2 = 51, ans.3 = 27], \quad Ans4 = 21, \quad Ans5 = 20 \\
Ans6 &= 13, \quad Ans7 = 0, \quad Ans8 = 66, \quad Ans9 = 8, \quad Ans10 = 130
\end{aligned}$$
$$\begin{aligned}
 & Ans1 = \left[\begin{array}{lll} n(A \cup B) = 33 & n(A') = 21 & n(B') = 14 \\ n(A - B) = 7 & n(B - A) = 14 & n(A \cup B') = 26 \\ n(A' \cup B') = 28 & n(A - B') = 12 & n((A \cap B)') = 28 \end{array} \right] \\
 & Ans2 = \left[\begin{array}{lll} n(\text{union}(A, B, C)) = 25 & n(A - B) = 6 & n(A' \cap C') = 3 \\ n(C - A) = 12 & n(\text{intersect}(A, C, B')) = 4 & n((A \cup B') - C) = 9 \\ n(C \cap (A' \cup B')) = 1 & n(C - (A \cap B)) = 16 & n(A - B - C) = 2 \end{array} \right] \\
 & Ans3 = [ans.1 = 49, ans.2 = 63, ans.3 = 12], \quad , \quad Ans4 = 19, \quad , \quad Ans5 = 19 \\
 & Ans6 = 12, \quad , \quad Ans7 = 0, \quad , \quad Ans8 = 50, \quad , \quad Ans9 = 24, \quad , \quad Ans10 = 40
 \end{aligned}$$
$$\begin{aligned}
 & Ans1 = \left[\begin{array}{lll} n(A \cup B) = 34 & n(A') = 19 & n(B') = 28 \\ n(A - B) = 14 & n(B - A) = 5 & n(A \cup B') = 43 \\ n(A' \cup B') = 33 & n(A - B') = 15 & n((A \cap B)') = 33 \end{array} \right] \\
 & Ans2 = \left[\begin{array}{lll} n(\text{union}(A, B, C)) = 31 & n(A - B) = 11 & n(A' \cap C') = 5 \\ n(C - A) = 9 & n(\text{intersect}(A, C, B')) = 8 & n((A \cup B') - C) = 16 \\ n(C \cap (A' \cup B')) = 3 & n(C - (A \cap B)) = 17 & n(A - B - C) = 3 \end{array} \right] \\
 & Ans3 = [ans.1 = 27, ans.2 = 53, ans.3 = 20], \quad Ans4 = 13, \quad Ans5 = 14 \\
 & Ans6 = 17, \quad Ans7 = 4, \quad Ans8 = 38, \quad Ans9 = 1, \quad Ans10 = 140
 \end{aligned}$$

$$Ans1 = \begin{bmatrix} n(A \cup B) = 35 & n(A') = 28 & n(B') = 23 \\ n(A - B) = 8 & n(B - A) = 13 & n(A \cup B') = 37 \\ n(A' \cup B') = 36 & n(A - B') = 14 & n((A \cap B)') = 36 \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 39 & n(A - B) = 12 & n(A' \cap C') = 6 \\ n(C - A) = 12 & n(\text{intersect}(A, C, B')) = 8 & n((A \cup B') - C) = 16 \\ n(C \cap (A' \cup B')) = 1 & n(C - (A \cap B)) = 20 & n(A - B - C) = 4 \end{bmatrix}$$

$$Ans3 = [ans.1 = 47, ans.2 = 69, ans.3 = 22], \quad , \quad Ans4 = 7, \quad , \quad Ans5 = 10$$

$Ans6 = 10$, , $Ans7 = 8$, , $Ans8 = 50$, , $Ans9 = 22$, , $Ans10 = 130$

$$Ans1 = \begin{bmatrix} n(A \cup B) = 28 & n(A') = 17 & n(B') = 24 \\ n(A - B) = 12 & n(B - A) = 5 & n(A \cup B') = 35 \\ n(A' \cup B') = 29 & n(A - B') = 11 & n((A \cap B)') = 29 \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 48 & n(A - B) = 13 & n(A' \cap C') = 10 \\ n(C - A) = 18 & n(\text{intersect}(A, C, B')) = 4 & n((A \cup B') - C) = 20 \\ n(C \cap (A' \cup B')) = 2 & n(C - (A \cap B)) = 22 & n(A - B - C) = 9 \end{bmatrix}$$

$$Ans3 = [ans.1 = 39, ans.2 = 50, ans.3 = 24], \quad , \quad Ans4 = 19, \quad , \quad Ans5 = 14$$

$Ans6 = 16,$, $Ans7 = 7,$, $Ans8 = 43,$, $Ans9 = 10,$, $Ans10 = 20$

$$Ans1 = \begin{bmatrix} n(A \cup B) = 26 & n(A') = 20 & n(B') = 14 \\ n(A - B) = 5 & n(B - A) = 11 & n(A \cup B') = 24 \\ n(A' \cup B') = 25 & n(A - B') = 10 & n((A \cap B)') = 25 \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 31 & n(A - B) = 2 & n(A' \cap C') = 18 \\ n(C - A) = 16 & n(\text{intersect}(A, C, B')) = 1 & n((A \cup B') - C) = 15 \\ n(C \cap (A' \cup B')) = 1 & n(C - (A \cap B)) = 17 & n(A - B - C) = 1 \end{bmatrix}$$

$$Ans3 = [ans.1 = 52, ans.2 = 64, ans.3 = 12], \quad , \quad Ans4 = 22, \quad , \quad Ans5 = 13$$

$Ans6 = 13$, , $Ans7 = 9$, , $Ans8 = 51$, , $Ans9 = 7$, , $Ans10 = 50$

$$Ans1 = \begin{bmatrix} n(A \cup B) = 35 & n(A') = 17 & n(B') = 18 \\ n(A - B) = 13 & n(B - A) = 12 & n(A \cup B') = 28 \\ n(A' \cup B') = 30 & n(A - B') = 10 & n((A \cap B)') = 30 \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 30 & n(A - B) = 5 & n(A' \cap C') = 11 \\ n(C - A) = 9 & n(\text{intersect}(A, C, B')) = 2 & n((A \cup B') - C) = 14 \\ n(C \cap (A' \cup B')) = 10 & n(C - (A \cap B)) = 11 & n(A - B - C) = 3 \end{bmatrix}$$

$$Ans3 = [ans.1 = 37, ans.2 = 60, ans.3 = 13], \quad , \quad Ans4 = 14, \quad , \quad Ans5 = 18$$

$Ans6 = 10$, , $Ans7 = 2$, , $Ans8 = 42$, , $Ans9 = 22$, , $Ans10 = 70$

$$Ans1 = \begin{bmatrix} n(A \cup B) = 29 & n(A') = 14 & n(B') = 19 \\ n(A - B) = 12 & n(B - A) = 7 & n(A \cup B') = 29 \\ n(A' \cup B') = 26 & n(A - B') = 10 & n((A \cap B)') = 26 \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 40 & n(A - B) = 11 & n(A' \cap C') = 15 \\ n(C - A) = 8 & n(\text{intersect}(A, C, B')) = 4 & n((A \cup B') - C) = 24 \\ n(C \cap (A' \cup B')) = 5 & n(C - (A \cap B)) = 12 & n(A - B - C) = 7 \end{bmatrix}$$

$$Ans3 = [ans.1 = 31, ans.2 = 57, ans.3 = 15], \quad , \quad Ans4 = 12, \quad , \quad Ans5 = 17$$

$$Ans6 = 8, \quad , \quad Ans7 = 9, \quad , \quad Ans8 = 46, \quad , \quad Ans9 = 14, \quad , \quad Ans10 = 120$$

$$Ans1 = \begin{bmatrix} n(A \cup B) = 36 & n(A') = 29 & n(B') = 20 \\ n(A - B) = 6 & n(B - A) = 15 & n(A \cup B') = 35 \\ n(A' \cup B') = 35 & n(A - B') = 15 & n((A \cap B)') = 35 \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 28 & n(A - B) = 4 & n(A' \cap C') = 10 \\ n(C - A) = 7 & n(\text{intersect}(A, C, B')) = 0 & n((A \cup B') - C) = 15 \\ n(C \cap (A' \cup B')) = 6 & n(C - (A \cap B)) = 7 & n(A - B - C) = 4 \end{bmatrix}$$

$$Ans3 = [ans.1 = 39, ans.2 = 66, ans.3 = 22], \quad , \quad Ans4 = 10, \quad , \quad Ans5 = 20$$

$Ans6 = 5$, , $Ans7 = 4$, , $Ans8 = 51$, , $Ans9 = 22$, , $Ans10 = 80$

$$Ans1 = \begin{bmatrix} n(A \cup B) = 33 & n(A') = 26 & n(B') = 23 \\ n(A - B) = 12 & n(B - A) = 15 & n(A \cup B') = 29 \\ n(A' \cup B') = 38 & n(A - B') = 6 & n((A \cap B)') = 38 \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 38 & n(A - B) = 18 & n(A' \cap C') = 16 \\ n(C - A) = 3 & n(\text{intersect}(A, C, B')) = 10 & n((A \cup B') - C) = 18 \\ n(C \cap (A' \cup B')) = 3 & n(C - (A \cap B)) = 13 & n(A - B - C) = 8 \end{bmatrix}$$

$$Ans3 = [ans.1 = 42, ans.2 = 60, ans.3 = 23], \quad , \quad Ans4 = 15, \quad , \quad Ans5 = 23$$

$Ans6 = 9,$, $Ans7 = 5,$, $Ans8 = 45,$, $Ans9 = 20,$, $Ans10 = 30$

$$Ans1 = \begin{bmatrix} n(A \cup B) = 22 & n(A') = 13 & n(B') = 18 \\ n(A - B) = 10 & n(B - A) = 5 & n(A \cup B') = 25 \\ n(A' \cup B') = 23 & n(A - B') = 7 & n((A \cap B)') = 23 \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 50 & n(A - B) = 17 & n(A' \cap C') = 12 \\ n(C - A) = 9 & n(\text{intersect}(A, C, B')) = 7 & n((A \cup B') - C) = 26 \\ n(C \cap (A' \cup B')) = 10 & n(C - (A \cap B)) = 16 & n(A - B - C) = 10 \end{bmatrix}$$

$$Ans3 = [ans.1 = 47, ans.2 = 72, ans.3 = 25], \quad , \quad Ans4 = 12, \quad , \quad Ans5 = 20$$

$Ans6 = 9$, , $Ans7 = 4$, , $Ans8 = 48$, , $Ans9 = 30$, , $Ans10 = 120$

Set02 Answers for No.14004

$$Ans1 = \begin{bmatrix} n(A \cup B) = 31 & n(A') = 21 & n(B') = 16 \\ n(A - B) = 7 & n(B - A) = 12 & n(A \cup B') = 28 \\ n(A' \cup B') = 28 & n(A - B') = 12 & n((A \cap B)') = 28 \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 39 & n(A - B) = 9 & n(A' \cap C') = 13 \\ n(C - A) = 10 & n(\text{intersect}(A, C, B')) = 6 & n((A \cup B') - C) = 17 \\ n(C \cap (A' \cup B')) = 1 & n(C - (A \cap B)) = 16 & n(A - B - C) = 3 \end{bmatrix}$$

$$Ans3 = [ans.1 = 32, ans.2 = 48, ans.3 = 22], \quad , \quad Ans4 = 11, \quad , \quad Ans5 = 22$$

$Ans6 = 14$, , $Ans7 = 7$, , $Ans8 = 57$, , $Ans9 = 22$, , $Ans10 = 50$

Set02 Answers for No.14013

$$AnsI = \begin{bmatrix} n(A \cup B) = 29 & n(A') = 12 & n(B') = 21 \\ n(A - B) = 14 & n(B - A) = 5 & n(A \cup B') = 31 \\ n(A' \cup B') = 26 & n(A - B') = 10 & n((A \cap B)') = 26 \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 23 & n(A - B) = 9 & n(A' \cap C') = 12 \\ n(C - A) = 6 & n(\text{intersect}(A, C, B')) = 0 & n((A \cup B') - C) = 20 \\ n(C \cap (A' \cup B')) = 1 & n(C - (A \cap B)) = 6 & n(A - B - C) = 9 \end{bmatrix}$$

$$Ans3 = [ans.1 = 37, ans.2 = 57, ans.3 = 12], \quad , \quad Ans4 = 22, \quad , \quad Ans5 = 12$$

$Ans6 = 6$, , $Ans7 = 4$, , $Ans8 = 26$, , $Ans9 = 16$, , $Ans10 = 100$

Set02 Answers for No.14037

$$AnsI = \begin{bmatrix} n(A \cup B) = 31 & n(A') = 20 & n(B') = 15 \\ n(A - B) = 6 & n(B - A) = 11 & n(A \cup B') = 29 \\ n(A' \cup B') = 26 & n(A - B') = 14 & n((A \cap B)') = 26 \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 27 & n(A - B) = 7 & n(A' \cap C') = 8 \\ n(C - A) = 5 & n(\text{intersect}(A, C, B')) = 5 & n((A \cup B') - C) = 18 \\ n(C \cap (A' \cup B')) = 3 & n(C - (A \cap B)) = 10 & n(A - B - C) = 2 \end{bmatrix}$$

$$Ans3 = [ans.1 = 40, ans.2 = 53, ans.3 = 14], \quad , \quad Ans4 = 18, \quad , \quad Ans5 = 16$$

$$Ans6 = 7, \quad , \quad Ans7 = 2, \quad , \quad Ans8 = 33, \quad , \quad Ans9 = 8, \quad , \quad Ans10 = 60$$

Set02 Answers for No.14452

$$AnsI = \begin{bmatrix} n(A \cup B) = 25 & n(A') = 14 & n(B') = 15 \\ n(A - B) = 10 & n(B - A) = 9 & n(A \cup B') = 21 \\ n(A' \cup B') = 24 & n(A - B') = 6 & n((A \cap B)') = 24 \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 43 & n(A - B) = 13 & n(A' \cap C') = 10 \\ n(C - A) = 11 & n(\text{intersect}(A, C, B')) = 6 & n((A \cup B') - C) = 15 \\ n(C \cap (A' \cup B')) = 3 & n(C - (A \cap B)) = 17 & n(A - B - C) = 7 \end{bmatrix}$$

$Ans3 = [ans.1 = 35, ans.2 = 60, ans.3 = 12], \quad , \quad Ans4 = 18, \quad , \quad Ans5 = 9$

$$Ans6 = 9, \quad , \quad Ans7 = 0, \quad , \quad Ans8 = 28, \quad , \quad Ans9 = 20, \quad , \quad Ans10 = 150$$

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$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 47 & n(A - B) = 6 & n(A' \cap C') = 12 \\ n(C - A) = 15 & n(\text{intersect}(A, C, B')) = 2 & n((A \cup B') - C) = 17 \\ n(C \cap (A' \cup B')) = 7 & n(C - (A \cap B)) = 17 & n(A - B - C) = 4 \end{bmatrix}$$

$Ans6 = 10$, , $Ans7 = 9$, , $Ans8 = 40$, , $Ans9 = 4$, , $Ans10 = 50$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 39 & n(A - B) = 10 & n(A' \cap C') = 10 \\ n(C - A) = 15 & n(\text{intersect}(A, C, B')) = 8 & n((A \cup B') - C) = 14 \\ n(C \cap (A' \cup B')) = 0 & n(C - (A \cap B)) = 23 & n(A - B - C) = 2 \end{bmatrix}$$

$Ans6 = 9$, , $Ans7 = 2$, , $Ans8 = 37$, , $Ans9 = 20$, , $Ans10 = 140$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 45 & n(A - B) = 16 & n(A' \cap C') = 11 \\ n(C - A) = 9 & n(\text{intersect}(A, C, B')) = 9 & n((A \cup B') - C) = 21 \\ n(C \cap (A' \cup B')) = 5 & n(C - (A \cap B)) = 18 & n(A - B - C) = 7 \end{bmatrix}$$

$$Ans6 = 15, \quad , \quad Ans7 = 3, \quad , \quad Ans8 = 49, \quad , \quad Ans9 = 5, \quad , \quad Ans10 = 90$$

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Set02 Answers for No.14911

$$Ans1 = \begin{bmatrix} n(A \cup B) = 28 & n(A') = 17 & n(B') = 21 \\ n(A - B) = 12 & n(B - A) = 8 & n(A \cup B') = 29 \\ n(A' \cup B') = 29 & n(A - B') = 8 & n((A \cap B)') = 29 \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 22 & n(A - B) = 4 & n(A' \cap C') = 7 \\ n(C - A) = 13 & n(\text{intersect}(A, C, B')) = 1 & n((A \cup B') - C) = 13 \\ n(C \cap (A' \cup B')) = 2 & n(C - (A \cap B)) = 14 & n(A - B - C) = 3 \end{bmatrix}$$

$$Ans3 = [ans.1 = 41, ans.2 = 53, ans.3 = 13], \quad , \quad Ans4 = 9, \quad , \quad Ans5 = 19$$

$$Ans6 = 5, \quad , \quad Ans7 = 7, \quad , \quad Ans8 = 45, \quad , \quad Ans9 = 16, \quad , \quad Ans10 = 30$$

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Set02 Answers for No.15009

$$Ans1 = \begin{bmatrix} n(A \cup B) = 30 & n(A') = 22 & n(B') = 20 \\ n(A - B) = 7 & n(B - A) = 9 & n(A \cup B') = 34 \\ n(A' \cup B') = 29 & n(A - B') = 14 & n((A \cap B)') = 29 \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 33 & n(A - B) = 7 & n(A' \cap C') = 17 \\ n(C - A) = 10 & n(\text{intersect}(A, C, B')) = 4 & n((A \cup B') - C) = 15 \\ n(C \cap (A' \cup B')) = 3 & n(C - (A \cap B)) = 14 & n(A - B - C) = 3 \end{bmatrix}$$

$$Ans3 = [ans.1 = 27, ans.2 = 54, ans.3 = 20], \quad , \quad Ans4 = 19, \quad , \quad Ans5 = 8$$

$$Ans6 = 16, \quad , \quad Ans7 = 10, \quad , \quad Ans8 = 47, \quad , \quad Ans9 = 18, \quad , \quad Ans10 = 80$$

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Set02 Answers for No.15014

$$Ans1 = \begin{bmatrix} n(A \cup B) = 32 & n(A') = 17 & n(B') = 13 \\ n(A - B) = 8 & n(B - A) = 12 & n(A \cup B') = 25 \\ n(A' \cup B') = 25 & n(A - B') = 12 & n((A \cap B)') = 25 \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 24 & n(A - B) = 8 & n(A' \cap C') = 11 \\ n(C - A) = 5 & n(\text{intersect}(A, C, B')) = 5 & n((A \cup B') - C) = 21 \\ n(C \cap (A' \cup B')) = 2 & n(C - (A \cap B)) = 10 & n(A - B - C) = 3 \end{bmatrix}$$

$$Ans3 = [ans.1 = 37, ans.2 = 63, ans.3 = 17], \quad , \quad Ans4 = 15, \quad , \quad Ans5 = 18$$

$$Ans6 = 16, \quad , \quad Ans7 = 5, \quad , \quad Ans8 = 30, \quad , \quad Ans9 = 12, \quad , \quad Ans10 = 100$$

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