

Set02 Answers for No.9594

$$Ans1 = \begin{bmatrix} n(A \cup B) = 24 & n(A') = 20 & n(B') = 24 \\ n(A - B) = 10 & n(B - A) = 6 & n(A \cup B') = 32 \\ n(A' \cup B') = 30 & n(A - B') = 8 & n((A \cap B)') = 30 \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 33 & n(A - B) = 14 & n(A' \cap C') = 9 \\ n(C - A) = 9 & n(\text{intersect}(A, C, B')) = 6 & n((A \cup B') - C) = 15 \\ n(C \cap (A' \cup B')) = 8 & n(C - (A \cap B)) = 15 & n(A - B - C) = 8 \end{bmatrix}$$

$Ans3 = [ans.1 = 35, ans.2 = 56, ans.3 = 22], \quad , \quad Ans4 = 18, \quad , \quad Ans5 = 15$

$Ans6 = 15$, , $Ans7 = 7$, , $Ans8 = 50$, , $Ans9 = 27$, , $Ans10 = 20$

Set02 Answers for No.9608

$$Ans1 = \begin{bmatrix} n(A \cup B) = 41 & n(A') = 22 & n(B') = 20 \\ n(A - B) = 13 & n(B - A) = 15 & n(A \cup B') = 33 \\ n(A' \cup B') = 35 & n(A - B') = 13 & n((A \cap B)') = 35 \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 49 & n(A - B) = 20 & n(A' \cap C') = 14 \\ n(C - A) = 11 & n(\text{intersect}(A, C, B')) = 10 & n((A \cup B') - C) = 29 \\ n(C \cap (A' \cup B')) = 5 & n(C - (A \cap B)) = 21 & n(A - B - C) = 10 \end{bmatrix}$$

$Ans3 = [ans.1 = 46, ans.2 = 64, ans.3 = 25], \quad , \quad Ans4 = 18, \quad , \quad Ans5 = 26$

$$Ans6 = 17, \quad , \quad Ans7 = 10, \quad , \quad Ans8 = 54, \quad , \quad Ans9 = 16, \quad , \quad Ans10 = 30$$

Set02 Answers for No.9646

$$Ans1 = \begin{bmatrix} n(A \cup B) = 30 & n(A') = 25 & n(B') = 22 \\ n(A - B) = 9 & n(B - A) = 12 & n(A \cup B') = 31 \\ n(A' \cup B') = 34 & n(A - B') = 9 & n((A \cap B)') = 34 \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 40 & n(A - B) = 12 & n(A' \cap C') = 8 \\ n(C - A) = 10 & n(\text{intersect}(A, C, B')) = 9 & n((A \cup B') - C) = 8 \\ n(C \cap (A' \cup B')) = 5 & n(C - (A \cap B)) = 19 & n(A - B - C) = 3 \end{bmatrix}$$

$Ans3 = [ans.1 = 36, ans.2 = 51, ans.3 = 20]$, $Ans4 = 13$, $Ans5 = 20$

$Ans6 = 12$, , $Ans7 = 5$, , $Ans8 = 44$, , $Ans9 = 10$, , $Ans10 = 140$

Set02 Answers for No.9649

$$Ans1 = \begin{bmatrix} n(A \cup B) = 33 & n(A') = 27 & n(B') = 23 \\ n(A - B) = 8 & n(B - A) = 12 & n(A \cup B') = 36 \\ n(A' \cup B') = 35 & n(A - B') = 13 & n((A \cap B)') = 35 \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 31 & n(A - B) = 15 & n(A' \cap C') = 11 \\ n(C - A) = 5 & n(\text{intersect}(A, C, B')) = 10 & n((A \cup B') - C) = 17 \\ n(C \cap (A' \cup B')) = 2 & n(C - (A \cap B)) = 15 & n(A - B - C) = 5 \end{bmatrix}$$

$Ans3 = [ans.1 = 47, ans.2 = 71, ans.3 = 22], \quad , \quad Ans4 = 18, \quad , \quad Ans5 = 19$

Ans6 = 8, , *Ans7* = 4, , *Ans8* = 40, , *Ans9* = 5, , *Ans10* = 40

$$\vdots$$

Set02 Answers for No.10372

$$Ans I = \begin{bmatrix} n(A \cup B) = 40 & n(A') = 15 & n(B') = 20 \\ n(A - B) = 15 & n(B - A) = 10 & n(A \cup B') = 35 \\ n(A' \cup B') = 30 & n(A - B') = 15 & n((A \cap B)') = 30 \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 30 & n(A - B) = 5 & n(A' \cap C') = 16 \\ n(C - A) = 13 & n(\text{intersect}(A, C, B')) = 3 & n((A \cup B') - C) = 17 \\ n(C \cap (A' \cup B')) = 1 & n(C - (A \cap B)) = 16 & n(A - B - C) = 2 \end{bmatrix}$$

$$Ans3 = [ans.1 = 36, ans.2 = 55, ans.3 = 15], \quad , \quad Ans4 = 15, \quad , \quad Ans5 = 10$$

$$Ans6 = 10, \quad , \quad Ans7 = 3, \quad , \quad Ans8 = 57, \quad , \quad Ans9 = 20, \quad , \quad Ans10 = 100$$

Set02 Answers for No.10375

$$Ans I = \begin{bmatrix} n(A \cup B) = 34 & n(A') = 24 & n(B') = 23 \\ n(A - B) = 9 & n(B - A) = 10 & n(A \cup B') = 38 \\ n(A' \cup B') = 33 & n(A - B') = 15 & n((A \cap B)') = 33 \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 31 & n(A - B) = 6 & n(A' \cap C') = 7 \\ n(C - A) = 9 & n(\text{intersect}(A, C, B')) = 1 & n((A \cup B') - C) = 19 \\ n(C \cap (A' \cup B')) = 9 & n(C - (A \cap B)) = 10 & n(A - B - C) = 5 \end{bmatrix}$$

$$Ans3 = [ans.1 = 33, ans.2 = 52, ans.3 = 17], \quad , \quad Ans4 = 11, \quad , \quad Ans5 = 14$$

Ans6 = 11, , *Ans7* = 7, , *Ans8* = 35, , *Ans9* = 3, , *Ans10* = 50

Set02 Answers for No.10426

$$Ans I = \begin{bmatrix} n(A \cup B) = 27 & n(A') = 18 & n(B') = 16 \\ n(A - B) = 5 & n(B - A) = 7 & n(A \cup B') = 31 \\ n(A' \cup B') = 23 & n(A - B') = 15 & n((A \cap B)') = 23 \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 23 & n(A - B) = 12 & n(A' \cap C') = 4 \\ n(C - A) = 9 & n(\text{intersect}(A, C, B')) = 3 & n((A \cup B') - C) = 13 \\ n(C \cap (A' \cup B')) = 0 & n(C - (A \cap B)) = 12 & n(A - B - C) = 9 \end{bmatrix}$$

$$Ans3 = [ans.1 = 43, ans.2 = 68, ans.3 = 27], \quad , \quad Ans4 = 16, \quad , \quad Ans5 = 5$$

$Ans6 = 10$, , $Ans7 = 2$, , $Ans8 = 32$, , $Ans9 = 15$, , $Ans10 = 50$

Set02 Answers for No.10628

$$AnsI = \begin{bmatrix} n(A \cup B) = 36 & n(A') = 17 & n(B') = 18 \\ n(A - B) = 11 & n(B - A) = 10 & n(A \cup B') = 33 \\ n(A' \cup B') = 28 & n(A - B') = 15 & n((A \cap B)') = 28 \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 44 & n(A - B) = 11 & n(A' \cap C') = 15 \\ n(C - A) = 16 & n(\text{intersect}(A, C, B')) = 5 & n((A \cup B') - C) = 25 \\ n(C \cap (A' \cup B')) = 3 & n(C - (A \cap B)) = 21 & n(A - B - C) = 6 \end{bmatrix}$$

$$Ans3 = [ans.1 = 39, ans.2 = 57, ans.3 = 19], \quad , \quad Ans4 = 8, \quad , \quad Ans5 = 14$$

Ans6 = 10, , *Ans7* = 8, , *Ans8* = 56, , *Ans9* = 3, , *Ans10* = 80

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$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 30 & n(A - B) = 4 & n(A' \cap C') = 9 \\ n(C - A) = 8 & n(\text{intersect}(A, C, B')) = 4 & n((A \cup B') - C) = 13 \\ n(C \cap (A' \cup B')) = 2 & n(C - (A \cap B)) = 12 & n(A - B - C) = 0 \end{bmatrix}$$

$Ans6 = 16$, , $Ans7 = 10$, , $Ans8 = 46$, , $Ans9 = 24$, , $Ans10 = 40$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 32 & n(A - B) = 5 & n(A' \cap C') = 12 \\ n(C - A) = 10 & n(\text{intersect}(A, C, B')) = 1 & n((A \cup B') - C) = 19 \\ n(C \cap (A' \cup B')) = 4 & n(C - (A \cap B)) = 11 & n(A - B - C) = 4 \end{bmatrix}$$

$Ans6 = 17$, , $Ans7 = 10$, , $Ans8 = 40$, , $Ans9 = 13$, , $Ans10 = 140$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 48 & n(A - B) = 14 & n(A' \cap C') = 14 \\ n(C - A) = 13 & n(\text{intersect}(A, C, B')) = 9 & n((A \cup B') - C) = 14 \\ n(C \cap (A' \cup B')) = 6 & n(C - (A \cap B)) = 22 & n(A - B - C) = 5 \end{bmatrix}$$

$Ans6 = 7$, , $Ans7 = 6$, , $Ans8 = 45$, , $Ans9 = 2$, , $Ans10 = 70$

Set02 Answers for No.12809

$$Ans1 = \begin{bmatrix} n(A \cup B) = 26 & n(A') = 15 & n(B') = 14 \\ n(A - B) = 6 & n(B - A) = 7 & n(A \cup B') = 27 \\ n(A' \cup B') = 21 & n(A - B') = 13 & n((A \cap B)') = 21 \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 20 & n(A - B) = 3 & n(A' \cap C') = 3 \\ n(C - A) = 12 & n(\text{intersect}(A, C, B')) = 0 & n((A \cup B') - C) = 8 \\ n(C \cap (A' \cup B')) = 1 & n(C - (A \cap B)) = 12 & n(A - B - C) = 3 \end{bmatrix}$$

$Ans3 = [ans.1 = 38, ans.2 = 59, ans.3 = 17], \quad , \quad Ans4 = 15, \quad , \quad Ans5 = 21$

$$Ans6 = 13, \quad , \quad Ans7 = 4, \quad , \quad Ans8 = 44, \quad , \quad Ans9 = 6, \quad , \quad Ans10 = 140$$

Set02 Answers for No.12954

$$Ans1 = \begin{bmatrix} n(A \cup B) = 36 & n(A') = 16 & n(B') = 18 \\ n(A - B) = 13 & n(B - A) = 11 & n(A \cup B') = 30 \\ n(A' \cup B') = 29 & n(A - B') = 12 & n((A \cap B)') = 29 \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 45 & n(A - B) = 8 & n(A' \cap C') = 14 \\ n(C - A) = 11 & n(\text{intersect}(A, C, B')) = 6 & n((A \cup B') - C) = 14 \\ n(C \cap (A' \cup B')) = 10 & n(C - (A \cap B)) = 17 & n(A - B - C) = 2 \end{bmatrix}$$

$Ans3 = [ans.1 = 34, ans.2 = 45, ans.3 = 14], \quad Ans4 = 17, \quad Ans5 = 26$

$Ans6 = 9,$, $Ans7 = 2,$, $Ans8 = 45,$, $Ans9 = 4,$, $Ans10 = 0$

Set02 Answers for No.12964

$$Ans1 = \begin{bmatrix} n(A \cup B) = 27 & n(A') = 12 & n(B') = 18 \\ n(A - B) = 12 & n(B - A) = 6 & n(A \cup B') = 27 \\ n(A' \cup B') = 24 & n(A - B') = 9 & n((A \cap B)') = 24 \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 47 & n(A - B) = 15 & n(A' \cap C') = 14 \\ n(C - A) = 20 & n(\text{intersect}(A, C, B')) = 10 & n((A \cup B') - C) = 16 \\ n(C \cap (A' \cup B')) = 5 & n(C - (A \cap B)) = 30 & n(A - B - C) = 5 \end{bmatrix}$$

$Ans3 = [ans.1 = 52, ans.2 = 72, ans.3 = 26], \quad Ans4 = 11, \quad Ans5 = 18$

$Ans6 = 14$, , $Ans7 = 10$, , $Ans8 = 47$, , $Ans9 = 27$, , $Ans10 = 160$

Set02 Answers for No.12971

$$Ans I = \begin{bmatrix} n(A \cup B) = 33 & n(A') = 19 & n(B') = 22 \\ n(A - B) = 11 & n(B - A) = 8 & n(A \cup B') = 36 \\ n(A' \cup B') = 30 & n(A - B') = 14 & n((A \cap B)') = 30 \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 26 & n(A - B) = 6 & n(A' \cap C') = 11 \\ n(C - A) = 5 & n(\text{intersect}(A, C, B')) = 3 & n((A \cup B') - C) = 13 \\ n(C \cap (A' \cup B')) = 8 & n(C - (A \cap B)) = 8 & n(A - B - C) = 3 \end{bmatrix}$$

$Ans3 = [ans.1 = 25, ans.2 = 44, ans.3 = 12], \quad Ans4 = 22, \quad Ans5 = 10$

Ans6 = 13, , *Ans7* = 2, , *Ans8* = 41, , *Ans9* = 2, , *Ans10* = 20

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$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 38 & n(A - B) = 13 & n(A' \cap C') = 15 \\ n(C - A) = 6 & n(\text{intersect}(A, C, B')) = 9 & n((A \cup B') - C) = 18 \\ n(C \cap (A' \cup B')) = 6 & n(C - (A \cap B)) = 15 & n(A - B - C) = 4 \end{bmatrix}$$

$Ans6 = 13$, , $Ans7 = 5$, , $Ans8 = 36$, , $Ans9 = 5$, , $Ans10 = 40$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 39 & n(A - B) = 19 & n(A' \cap C') = 7 \\ n(C - A) = 7 & n(\text{intersect}(A, C, B')) = 9 & n((A \cup B') - C) = 19 \\ n(C \cap (A' \cup B')) = 3 & n(C - (A \cap B)) = 16 & n(A - B - C) = 10 \end{bmatrix}$$

$Ans6 = 13,$, $Ans7 = 8,$, $Ans8 = 31,$, $Ans9 = 17,$, $Ans10 = 80$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 40 & n(A - B) = 11 & n(A' \cap C') = 11 \\ n(C - A) = 14 & n(\text{intersect}(A, C, B')) = 6 & n((A \cup B') - C) = 22 \\ n(C \cap (A' \cup B')) = 3 & n(C - (A \cap B)) = 20 & n(A - B - C) = 5 \end{bmatrix}$$

$$Ans6 = 16, \quad , \quad Ans7 = 0, \quad , \quad Ans8 = 44, \quad , \quad Ans9 = 13, \quad , \quad Ans10 = 80$$

[illegible]

$$Ans1 = \begin{bmatrix} n(A \cup B) = 31 & n(A') = 21 & n(B') = 12 \\ n(A - B) = 6 & n(B - A) = 15 & n(A \cup B') = 22 \\ n(A' \cup B') = 27 & n(A - B') = 10 & n((A \cap B)') = 27 \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 43 & n(A - B) = 15 & n(A' \cap C') = 5 \\ n(C - A) = 12 & n(\text{intersect}(A, C, B')) = 7 & n((A \cup B') - C) = 13 \\ n(C \cap (A' \cup B')) = 6 & n(C - (A \cap B)) = 19 & n(A - B - C) = 8 \end{bmatrix}$$

$$Ans3 = [ans.1 = 30, ans.2 = 54, ans.3 = 25], \quad , \quad Ans4 = 17, \quad , \quad Ans5 = 18$$

$$Ans6 = 16, \quad , \quad Ans7 = 9, \quad , \quad Ans8 = 40, \quad , \quad Ans9 = 15, \quad , \quad Ans10 = 80$$

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