

Set02 Answers for No.9395

$$AnsI = \begin{bmatrix} n(A \cup B) = 31 & n(A') = 24 & n(B') = 28 \\ n(A - B) = 14 & n(B - A) = 10 & n(A \cup B') = 35 \\ n(A' \cup B') = 38 & n(A - B') = 7 & n((A \cap B)') = 38 \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 40 & n(A - B) = 9 & n(A' \cap C') = 10 \\ n(C - A) = 16 & n(\text{intersect}(A, C, B')) = 4 & n((A \cup B') - C) = 23 \\ n(C \cap (A' \cup B')) = 7 & n(C - (A \cap B)) = 20 & n(A - B - C) = 5 \end{bmatrix}$$

$$Ans3 = [ans.1 = 37, ans.2 = 60, ans.3 = 22], \quad Ans4 = 9, \quad Ans5 = 11$$

$Ans6 = 14$ ,      ,       $Ans7 = 9$ ,      ,       $Ans8 = 36$ ,      ,       $Ans9 = 8$ ,      ,       $Ans10 = 90$

Set02 Answers for No.9419

$$AnsI = \begin{bmatrix} n(A \cup B) = 28 & n(A') = 17 & n(B') = 14 \\ n(A - B) = 8 & n(B - A) = 11 & n(A \cup B') = 23 \\ n(A' \cup B') = 25 & n(A - B') = 9 & n((A \cap B)') = 25 \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 42 & n(A - B) = 19 & n(A' \cap C') = 14 \\ n(C - A) = 6 & n(\text{intersect}(A, C, B')) = 10 & n((A \cup B') - C) = 26 \\ n(C \cap (A' \cup B')) = 0 & n(C - (A \cap B)) = 16 & n(A - B - C) = 9 \end{bmatrix}$$

$$Ans3 = [ans.1 = 38, ans.2 = 61, ans.3 = 13], \quad , \quad Ans4 = 23, \quad , \quad Ans5 = 20$$

*Ans6* = 6,     ,    *Ans7* = 10,     ,    *Ans8* = 37,     ,    *Ans9* = 22,     ,    *Ans10* = 50

Set02 Answers for No.9428

$$Ans1 = \begin{bmatrix} n(A \cup B) = 26 & n(A') = 15 & n(B') = 19 \\ n(A - B) = 12 & n(B - A) = 8 & n(A \cup B') = 25 \\ n(A' \cup B') = 27 & n(A - B') = 6 & n((A \cap B)') = 27 \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 24 & n(A - B) = 8 & n(A' \cap C') = 11 \\ n(C - A) = 3 & n(\text{intersect}(A, C, B')) = 7 & n((A \cup B') - C) = 8 \\ n(C \cap (A' \cup B')) = 1 & n(C - (A \cap B)) = 10 & n(A - B - C) = 1 \end{bmatrix}$$

$$Ans3 = [ans.1 = 28, ans.2 = 47, ans.3 = 22], \quad , \quad Ans4 = 12, \quad , \quad Ans5 = 16$$

$Ans6 = 15,$       ,     $Ans7 = 5,$       ,     $Ans8 = 52,$       ,     $Ans9 = 16,$       ,     $Ans10 = 20$

Set02 Answers for No.9459

$$Ans I = \begin{bmatrix} n(A \cup B) = 31 & n(A') = 18 & n(B') = 21 \\ n(A - B) = 11 & n(B - A) = 8 & n(A \cup B') = 33 \\ n(A' \cup B') = 29 & n(A - B') = 12 & n((A \cap B)') = 29 \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 44 & n(A - B) = 10 & n(A' \cap C') = 11 \\ n(C - A) = 18 & n(\text{intersect}(A, C, B')) = 1 & n((A \cup B') - C) = 28 \\ n(C \cap (A' \cup B')) = 6 & n(C - (A \cap B)) = 19 & n(A - B - C) = 9 \end{bmatrix}$$

$$Ans3 = [ans.1 = 38, ans.2 = 52, ans.3 = 19], \quad Ans4 = 9, \quad Ans5 = 21$$

$Ans6 = 13$ ,      ,     $Ans7 = 2$ ,      ,     $Ans8 = 45$ ,      ,     $Ans9 = 8$ ,      ,     $Ans10 = 120$

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Set02 Answers for No.9491

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Set02 Answers for No.9633

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Set02 Answers for No.9711

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$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 43 & n(A - B) = 16 & n(A' \cap C') = 17 \\ n(C - A) = 7 & n(\text{intersect}(A, C, B')) = 6 & n((A \cup B') - C) = 26 \\ n(C \cap (A' \cup B')) = 3 & n(C - (A \cap B)) = 13 & n(A - B - C) = 10 \end{bmatrix}$$

$Ans6 = 17$ ,      ,       $Ans7 = 2$ ,      ,       $Ans8 = 36$ ,      ,       $Ans9 = 12$ ,      ,       $Ans10 = 0$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 28 & n(A - B) = 12 & n(A' \cap C') = 2 \\ n(C - A) = 10 & n(\text{intersect}(A, C, B')) = 6 & n((A \cup B') - C) = 7 \\ n(C \cap (A' \cup B')) = 5 & n(C - (A \cap B)) = 16 & n(A - B - C) = 6 \end{bmatrix}$$

$Ans6 = 15$ ,      ,       $Ans7 = 5$ ,      ,       $Ans8 = 36$ ,      ,       $Ans9 = 3$ ,      ,       $Ans10 = 150$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 43 & n(A - B) = 5 & n(A' \cap C') = 8 \\ n(C - A) = 20 & n(\text{intersect}(A, C, B')) = 3 & n((A \cup B') - C) = 14 \\ n(C \cap (A' \cup B')) = 6 & n(C - (A \cap B)) = 23 & n(A - B - C) = 2 \end{bmatrix}$$

$Ans6 = 13$ ,      ,       $Ans7 = 2$ ,      ,       $Ans8 = 37$ ,      ,       $Ans9 = 6$ ,      ,       $Ans10 = 110$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 41 & n(A - B) = 9 & n(A' \cap C') = 17 \\ n(C - A) = 10 & n(\text{intersect}(A, C, B')) = 1 & n((A \cup B') - C) = 23 \\ n(C \cap (A' \cup B')) = 10 & n(C - (A \cap B)) = 11 & n(A - B - C) = 8 \end{bmatrix}$$

$Ans6 = 15$ ,      ,       $Ans7 = 8$ ,      ,       $Ans8 = 23$ ,      ,       $Ans9 = 15$ ,      ,       $Ans10 = 0$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 30 & n(A - B) = 7 & n(A' \cap C') = 15 \\ n(C - A) = 8 & n(\text{intersect}(A, C, B')) = 4 & n((A \cup B') - C) = 13 \\ n(C \cap (A' \cup B')) = 2 & n(C - (A \cap B)) = 12 & n(A - B - C) = 3 \end{bmatrix}$$

$Ans6 = 14$ ,      ,       $Ans7 = 10$ ,      ,       $Ans8 = 44$ ,      ,       $Ans9 = 4$ ,      ,       $Ans10 = 150$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 36 & n(A - B) = 6 & n(A' \cap C') = 13 \\ n(C - A) = 11 & n(\text{intersect}(A, C, B')) = 3 & n((A \cup B') - C) = 10 \\ n(C \cap (A' \cup B')) = 7 & n(C - (A \cap B)) = 14 & n(A - B - C) = 3 \end{bmatrix}$$

$Ans6 = 7$ ,      ,     $Ans7 = 8$ ,      ,     $Ans8 = 42$ ,      ,     $Ans9 = 11$ ,      ,     $Ans10 = 150$



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Set02 Answers for No.12621

$$AnsI = \begin{bmatrix} n(A \cup B) = 23 & n(A') = 25 & n(B') = 19 \\ n(A - B) = 5 & n(B - A) = 11 & n(A \cup B') = 26 \\ n(A' \cup B') = 30 & n(A - B') = 7 & n((A \cap B)') = 30 \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 39 & n(A - B) = 10 & n(A' \cap C') = 7 \\ n(C - A) = 17 & n(\text{intersect}(A, C, B')) = 4 & n((A \cup B') - C) = 17 \\ n(C \cap (A' \cup B')) = 0 & n(C - (A \cap B)) = 21 & n(A - B - C) = 6 \end{bmatrix}$$

$$Ans3 = [ans.1 = 42, ans.2 = 65, ans.3 = 13], \quad , \quad Ans4 = 8, \quad , \quad Ans5 = 19$$

$Ans6 = 6,$      ,    $Ans7 = 5,$      ,    $Ans8 = 47,$      ,    $Ans9 = 15,$      ,    $Ans10 = 70$

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Set02 Answers for No.12641

$$Ans I = \begin{bmatrix} n(A \cup B) = 35 & n(A') = 27 & n(B') = 22 \\ n(A - B) = 10 & n(B - A) = 15 & n(A \cup B') = 32 \\ n(A' \cup B') = 37 & n(A - B') = 10 & n((A \cap B)') = 37 \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 42 & n(A - B) = 5 & n(A' \cap C') = 14 \\ n(C - A) = 13 & n(\text{intersect}(A, C, B')) = 2 & n((A \cup B') - C) = 18 \\ n(C \cap (A' \cup B')) = 7 & n(C - (A \cap B)) = 15 & n(A - B - C) = 3 \end{bmatrix}$$

$$Ans3 = [ans.1 = 38, ans.2 = 51, ans.3 = 17], \quad , \quad Ans4 = 20, \quad , \quad Ans5 = 20$$

$Ans6 = 14$ ,     ,      $Ans7 = 9$ ,     ,      $Ans8 = 47$ ,     ,      $Ans9 = 22$ ,     ,      $Ans10 = 160$

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Set02 Answers for No.12674

$$Ans1 = \begin{bmatrix} n(A \cup B) = 39 & n(A') = 22 & n(B') = 26 \\ n(A - B) = 14 & n(B - A) = 10 & n(A \cup B') = 41 \\ n(A' \cup B') = 36 & n(A - B') = 15 & n((A \cap B)') = 36 \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 43 & n(A - B) = 16 & n(A' \cap C') = 10 \\ n(C - A) = 7 & n(\text{intersect}(A, C, B')) = 8 & n((A \cup B') - C) = 16 \\ n(C \cap (A' \cup B')) = 8 & n(C - (A \cap B)) = 15 & n(A - B - C) = 8 \end{bmatrix}$$

$$Ans3 = [ans.1 = 25, ans.2 = 50, ans.3 = 22], \quad , \quad Ans4 = 18, \quad , \quad Ans5 = 15$$

$Ans6 = 14$ ,     ,      $Ans7 = 2$ ,     ,      $Ans8 = 51$ ,     ,      $Ans9 = 10$ ,     ,      $Ans10 = 130$

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Set02 Answers for No.12728

$$AnsI = \begin{bmatrix} n(A \cup B) = 25 & n(A') = 14 & n(B') = 19 \\ n(A - B) = 12 & n(B - A) = 7 & n(A \cup B') = 25 \\ n(A' \cup B') = 26 & n(A - B') = 6 & n((A \cap B)') = 26 \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 54 & n(A - B) = 20 & n(A' \cap C') = 11 \\ n(C - A) = 19 & n(\text{intersect}(A, C, B')) = 10 & n((A \cup B') - C) = 14 \\ n(C \cap (A' \cup B')) = 8 & n(C - (A \cap B)) = 29 & n(A - B - C) = 10 \end{bmatrix}$$

$$Ans3 = [ans.1 = 39, ans.2 = 56, ans.3 = 21], \quad , \quad Ans4 = 22, \quad , \quad Ans5 = 24$$

$Ans6 = 15$ ,     ,      $Ans7 = 3$ ,     ,      $Ans8 = 41$ ,     ,      $Ans9 = 11$ ,     ,      $Ans10 = 120$

[illegible]

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 33 & n(A - B) = 12 & n(A' \cap C') = 5 \\ n(C - A) = 9 & n(\text{intersect}(A, C, B')) = 10 & n((A \cup B') - C) = 7 \\ n(C \cap (A' \cup B')) = 2 & n(C - (A \cap B)) = 19 & n(A - B - C) = 2 \end{bmatrix}$$

$Ans6 = 6,$       ,     $Ans7 = 10,$       ,     $Ans8 = 44,$       ,     $Ans9 = 10,$       ,     $Ans10 = 60$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 35 & n(A - B) = 11 & n(A' \cap C') = 10 \\ n(C - A) = 11 & n(\text{intersect}(A, C, B')) = 7 & n((A \cup B') - C) = 10 \\ n(C \cap (A' \cup B')) = 3 & n(C - (A \cap B)) = 18 & n(A - B - C) = 4 \end{bmatrix}$$

$$Ans6 = 12, \quad , \quad Ans7 = 1, \quad , \quad Ans8 = 50, \quad , \quad Ans9 = 2, \quad , \quad Ans10 = 70$$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 34 & n(A - B) = 7 & n(A' \cap C') = 10 \\ n(C - A) = 9 & n(\text{intersect}(A, C, B')) = 3 & n((A \cup B') - C) = 15 \\ n(C \cap (A' \cup B')) = 9 & n(C - (A \cap B)) = 12 & n(A - B - C) = 4 \end{bmatrix}$$

$Ans6 = 12$ ,     ,      $Ans7 = 6$ ,     ,      $Ans8 = 35$ ,     ,      $Ans9 = 4$ ,     ,      $Ans10 = 160$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 37 & n(A - B) = 7 & n(A' \cap C') = 9 \\ n(C - A) = 11 & n(\text{intersect}(A, C, B')) = 7 & n((A \cup B') - C) = 10 \\ n(C \cap (A' \cup B')) = 10 & n(C - (A \cap B)) = 18 & n(A - B - C) = 0 \end{bmatrix}$$

$Ans6 = 11$ ,      ,       $Ans7 = 7$ ,      ,       $Ans8 = 50$ ,      ,       $Ans9 = 12$ ,      ,       $Ans10 = 40$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 32 & n(A - B) = 9 & n(A' \cap C') = 12 \\ n(C - A) = 12 & n(\text{intersect}(A, C, B')) = 7 & n((A \cup B') - C) = 17 \\ n(C \cap (A' \cup B')) = 0 & n(C - (A \cap B)) = 19 & n(A - B - C) = 2 \end{bmatrix}$$

$Ans6 = 10$ ,      ,     $Ans7 = 8$ ,      ,     $Ans8 = 49$ ,      ,     $Ans9 = 8$ ,      ,     $Ans10 = 10$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 39 & n(A - B) = 8 & n(A' \cap C') = 15 \\ n(C - A) = 7 & n(\text{intersect}(A, C, B')) = 4 & n((A \cup B') - C) = 16 \\ n(C \cap (A' \cup B')) = 7 & n(C - (A \cap B)) = 11 & n(A - B - C) = 4 \end{bmatrix}$$

$Ans6 = 13$ ,     ,      $Ans7 = 10$ ,     ,      $Ans8 = 42$ ,     ,      $Ans9 = 11$ ,     ,      $Ans10 = 20$





$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 51 & n(A - B) = 14 & n(A' \cap C') = 9 \\ n(C - A) = 12 & n(\text{intersect}(A, C, B')) = 7 & n((A \cup B') - C) = 20 \\ n(C \cap (A' \cup B')) = 9 & n(C - (A \cap B)) = 19 & n(A - B - C) = 7 \end{bmatrix}$$

$$Ans6 = 10, \quad , \quad Ans7 = 0, \quad , \quad Ans8 = 28, \quad , \quad Ans9 = 7, \quad , \quad Ans10 = 90$$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 36 & n(A - B) = 10 & n(A' \cap C') = 9 \\ n(C - A) = 16 & n(\text{intersect}(A, C, B')) = 6 & n((A \cup B') - C) = 16 \\ n(C \cap (A' \cup B')) = 1 & n(C - (A \cap B)) = 22 & n(A - B - C) = 4 \end{bmatrix}$$

$Ans6 = 5,$       ,       $Ans7 = 10,$       ,       $Ans8 = 24,$       ,       $Ans9 = 5,$       ,       $Ans10 = 40$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 30 & n(A - B) = 6 & n(A' \cap C') = 6 \\ n(C - A) = 8 & n(\text{intersect}(A, C, B')) = 4 & n((A \cup B') - C) = 6 \\ n(C \cap (A' \cup B')) = 10 & n(C - (A \cap B)) = 12 & n(A - B - C) = 2 \end{bmatrix}$$

$Ans6 = 6,$       ,    $Ans7 = 5,$       ,    $Ans8 = 38,$       ,    $Ans9 = 15,$       ,    $Ans10 = 150$







$$AnsI = \begin{bmatrix} n(A \cup B) = 30 & n(A') = 26 & n(B') = 29 \\ n(A - B) = 14 & n(B - A) = 11 & n(A \cup B') = 34 \\ n(A' \cup B') = 40 & n(A - B') = 5 & n((A \cap B)') = 40 \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 49 & n(A - B) = 6 & n(A' \cap C') = 18 \\ n(C - A) = 17 & n(\text{intersect}(A, C, B')) = 2 & n((A \cup B') - C) = 20 \\ n(C \cap (A' \cup B')) = 8 & n(C - (A \cap B)) = 19 & n(A - B - C) = 4 \end{bmatrix}$$

$$Ans3 = [ans.1 = 44, ans.2 = 62, ans.3 = 26], \quad , \quad Ans4 = 23, \quad , \quad Ans5 = 19$$

$Ans6 = 16,$      ,      $Ans7 = 4,$      ,      $Ans8 = 50,$      ,      $Ans9 = 3,$      ,      $Ans10 = 40$

$$Ans I = \begin{bmatrix} n(A \cup B) = 31 & n(A') = 25 & n(B') = 17 \\ n(A - B) = 5 & n(B - A) = 13 & n(A \cup B') = 30 \\ n(A' \cup B') = 30 & n(A - B') = 13 & n((A \cap B)') = 30 \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 35 & n(A - B) = 18 & n(A' \cap C') = 7 \\ n(C - A) = 5 & n(\text{intersect}(A, C, B')) = 9 & n((A \cup B') - C) = 13 \\ n(C \cap (A' \cup B')) = 7 & n(C - (A \cap B)) = 14 & n(A - B - C) = 9 \end{bmatrix}$$

$$Ans3 = [ans.1 = 38, ans.2 = 56, ans.3 = 18], \quad , \quad Ans4 = 23, \quad , \quad Ans5 = 15$$

$$Ans6 = 11, \quad , \quad Ans7 = 4, \quad , \quad Ans8 = 41, \quad , \quad Ans9 = 5, \quad , \quad Ans10 = 50$$

$$Ans I = \begin{bmatrix} n(A \cup B) = 34 & n(A') = 12 & n(B') = 22 \\ n(A - B) = 15 & n(B - A) = 5 & n(A \cup B') = 36 \\ n(A' \cup B') = 27 & n(A - B') = 14 & n((A \cap B)') = 27 \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 31 & n(A - B) = 8 & n(A' \cap C') = 3 \\ n(C - A) = 8 & n(\text{intersect}(A, C, B')) = 7 & n((A \cup B') - C) = 9 \\ n(C \cap (A' \cup B')) = 4 & n(C - (A \cap B)) = 15 & n(A - B - C) = 1 \end{bmatrix}$$

$$Ans3 = [ans.1 = 37, ans.2 = 62, ans.3 = 25], \quad , \quad Ans4 = 23, \quad , \quad Ans5 = 24$$

$Ans6 = 10$ ,      ,     $Ans7 = 5$ ,      ,     $Ans8 = 53$ ,      ,     $Ans9 = 10$ ,      ,     $Ans10 = 160$

$$AnsI = \begin{bmatrix} n(A \cup B) = 27 & n(A') = 22 & n(B') = 29 \\ n(A - B) = 14 & n(B - A) = 7 & n(A \cup B') = 35 \\ n(A' \cup B') = 36 & n(A - B') = 6 & n((A \cap B)') = 36 \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 36 & n(A - B) = 13 & n(A' \cap C') = 4 \\ n(C - A) = 17 & n(\text{intersect}(A, C, B')) = 7 & n((A \cup B') - C) = 10 \\ n(C \cap (A' \cup B')) = 0 & n(C - (A \cap B)) = 24 & n(A - B - C) = 6 \end{bmatrix}$$

$$Ans3 = [ans.1 = 46, ans.2 = 59, ans.3 = 20], \quad , \quad Ans4 = 20, \quad , \quad Ans5 = 16$$

*Ans6* = 9,      ,    *Ans7* = 4,      ,    *Ans8* = 47,      ,    *Ans9* = 5,      ,    *Ans10* = 80

[illegible]