

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 33 & n(A - B) = 11 & n(A' \cap C') = 14 \\ n(C - A) = 3 & n(\text{intersect}(A, C, B')) = 8 & n((A \cup B') - C) = 18 \\ n(C \cap (A' \cup B')) = 10 & n(C - (A \cap B)) = 11 & n(A - B - C) = 3 \end{bmatrix}$$

$$Ans6 = 8, \quad , \quad Ans7 = 7, \quad , \quad Ans8 = 52, \quad , \quad Ans9 = 7, \quad , \quad Ans10 = 140$$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 45 & n(A - B) = 18 & n(A' \cap C') = 11 \\ n(C - A) = 5 & n(\text{intersect}(A, C, B')) = 10 & n((A \cup B') - C) = 21 \\ n(C \cap (A' \cup B')) = 6 & n(C - (A \cap B)) = 15 & n(A - B - C) = 8 \end{bmatrix}$$

$Ans6 = 7$, , $Ans7 = 8$, , $Ans8 = 45$, , $Ans9 = 20$, , $Ans10 = 70$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 33 & n(A - B) = 18 & n(A' \cap C') = 18 \\ n(C - A) = 3 & n(\text{intersect}(A, C, B')) = 10 & n((A \cup B') - C) = 22 \\ n(C \cap (A' \cup B')) = 0 & n(C - (A \cap B)) = 13 & n(A - B - C) = 8 \end{bmatrix}$$

$$Ans6 = 11, \quad , \quad Ans7 = 5, \quad , \quad Ans8 = 43, \quad , \quad Ans9 = 1, \quad , \quad Ans10 = 160$$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 38 & n(A - B) = 10 & n(A' \cap C') = 5 \\ n(C - A) = 6 & n(\text{intersect}(A, C, B')) = 10 & n((A \cup B') - C) = 11 \\ n(C \cap (A' \cup B')) = 10 & n(C - (A \cap B)) = 16 & n(A - B - C) = 0 \end{bmatrix}$$

$Ans6 = 14$, , $Ans7 = 6$, , $Ans8 = 26$, , $Ans9 = 20$, , $Ans10 = 160$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 27 & n(A - B) = 7 & n(A' \cap C') = 13 \\ n(C - A) = 9 & n(\text{intersect}(A, C, B')) = 5 & n((A \cup B') - C) = 16 \\ n(C \cap (A' \cup B')) = 0 & n(C - (A \cap B)) = 14 & n(A - B - C) = 2 \end{bmatrix}$$

$$Ans6 = 11, \quad , \quad Ans7 = 0, \quad , \quad Ans8 = 44, \quad , \quad Ans9 = 12, \quad , \quad Ans10 = 0$$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 49 & n(A - B) = 10 & n(A' \cap C') = 18 \\ n(C - A) = 17 & n(\text{intersect}(A, C, B')) = 1 & n((A \cup B') - C) = 21 \\ n(C \cap (A' \cup B')) = 8 & n(C - (A \cap B)) = 18 & n(A - B - C) = 9 \end{bmatrix}$$

$Ans6 = 14$, , $Ans7 = 2$, , $Ans8 = 43$, , $Ans9 = 24$, , $Ans10 = 140$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 33 & n(A - B) = 10 & n(A' \cap C') = 11 \\ n(C - A) = 7 & n(\text{intersect}(A, C, B')) = 1 & n((A \cup B') - C) = 24 \\ n(C \cap (A' \cup B')) = 10 & n(C - (A \cap B)) = 8 & n(A - B - C) = 9 \end{bmatrix}$$

$Ans6 = 14,$, $Ans7 = 2,$, $Ans8 = 41,$, $Ans9 = 10,$, $Ans10 = 160$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 31 & n(A - B) = 8 & n(A' \cap C') = 13 \\ n(C - A) = 7 & n(\text{intersect}(A, C, B')) = 2 & n((A \cup B') - C) = 14 \\ n(C \cap (A' \cup B')) = 9 & n(C - (A \cap B)) = 9 & n(A - B - C) = 6 \end{bmatrix}$$

$$Ans6 = 15, \quad , \quad Ans7 = 3, \quad , \quad Ans8 = 42, \quad , \quad Ans9 = 15, \quad , \quad Ans10 = 70$$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 38 & n(A - B) = 8 & n(A' \cap C') = 11 \\ n(C - A) = 9 & n(\text{intersect}(A, C, B')) = 0 & n((A \cup B') - C) = 19 \\ n(C \cap (A' \cup B')) = 9 & n(C - (A \cap B)) = 9 & n(A - B - C) = 8 \end{bmatrix}$$

$Ans6 = 17$, , $Ans7 = 10$, , $Ans8 = 42$, , $Ans9 = 24$, , $Ans10 = 140$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 31 & n(A - B) = 8 & n(A' \cap C') = 12 \\ n(C - A) = 5 & n(\text{intersect}(A, C, B')) = 3 & n((A \cup B') - C) = 13 \\ n(C \cap (A' \cup B')) = 2 & n(C - (A \cap B)) = 8 & n(A - B - C) = 5 \end{bmatrix}$$

$$Ans6 = 12, \quad , \quad Ans7 = 4, \quad , \quad Ans8 = 42, \quad , \quad Ans9 = 2, \quad , \quad Ans10 = 160$$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 46 & n(A - B) = 19 & n(A' \cap C') = 12 \\ n(C - A) = 12 & n(\text{intersect}(A, C, B')) = 10 & n((A \cup B') - C) = 16 \\ n(C \cap (A' \cup B')) = 2 & n(C - (A \cap B)) = 22 & n(A - B - C) = 9 \end{bmatrix}$$

$Ans6 = 5,$, $Ans7 = 9,$, $Ans8 = 33,$, $Ans9 = 24,$, $Ans10 = 130$

$$Ans1 = \begin{bmatrix} n(A \cup B) = 34 & n(A') = 23 & n(B') = 20 \\ n(A - B) = 9 & n(B - A) = 12 & n(A \cup B') = 33 \\ n(A' \cup B') = 32 & n(A - B') = 13 & n((A \cap B)') = 32 \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 35 & n(A - B) = 11 & n(A' \cap C') = 7 \\ n(C - A) = 8 & n(\text{intersect}(A, C, B')) = 6 & n((A \cup B') - C) = 8 \\ n(C \cap (A' \cup B')) = 10 & n(C - (A \cap B)) = 14 & n(A - B - C) = 5 \end{bmatrix}$$

$$Ans3 = [ans.1 = 28, ans.2 = 48, ans.3 = 13], \quad Ans4 = 11, \quad Ans5 = 3$$

$$Ans6 = 11, \quad , \quad Ans7 = 5, \quad , \quad Ans8 = 35, \quad , \quad Ans9 = 6, \quad , \quad Ans10 = 70$$

$$Ans1 = \begin{bmatrix} n(A \cup B) = 36 & n(A') = 23 & n(B') = 25 \\ n(A - B) = 15 & n(B - A) = 13 & n(A \cup B') = 33 \\ n(A' \cup B') = 38 & n(A - B') = 8 & n((A \cap B)') = 38 \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 31 & n(A - B) = 5 & n(A' \cap C') = 14 \\ n(C - A) = 7 & n(\text{intersect}(A, C, B')) = 3 & n((A \cup B') - C) = 20 \\ n(C \cap (A' \cup B')) = 7 & n(C - (A \cap B)) = 10 & n(A - B - C) = 2 \end{bmatrix}$$

$$Ans3 = [ans.1 = 37, ans.2 = 57, ans.3 = 19], \quad , \quad Ans4 = 12, \quad , \quad Ans5 = 8$$

$$Ans6 = 11, \quad , \quad Ans7 = 9, \quad , \quad Ans8 = 39, \quad , \quad Ans9 = 6, \quad , \quad Ans10 = 100$$

$$AnsI = \begin{bmatrix} n(A \cup B) = 24 & n(A') = 15 & n(B') = 11 \\ n(A - B) = 6 & n(B - A) = 10 & n(A \cup B') = 19 \\ n(A' \cup B') = 21 & n(A - B') = 8 & n((A \cap B)') = 21 \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 52 & n(A - B) = 13 & n(A' \cap C') = 11 \\ n(C - A) = 14 & n(\text{intersect}(A, C, B')) = 9 & n((A \cup B') - C) = 18 \\ n(C \cap (A' \cup B')) = 10 & n(C - (A \cap B)) = 23 & n(A - B - C) = 4 \end{bmatrix}$$

$$Ans3 = [ans.1 = 33, ans.2 = 54, ans.3 = 18], \quad , \quad Ans4 = 17, \quad , \quad Ans5 = 14$$

$$Ans6 = 14, \quad , \quad Ans7 = 2, \quad , \quad Ans8 = 48, \quad , \quad Ans9 = 3, \quad , \quad Ans10 = 120$$

$$Ans1 = \begin{bmatrix} n(A \cup B) = 26 & n(A') = 13 & n(B') = 12 \\ n(A - B) = 5 & n(B - A) = 6 & n(A \cup B') = 27 \\ n(A' \cup B') = 18 & n(A - B') = 15 & n((A \cap B)') = 18 \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 42 & n(A - B) = 16 & n(A' \cap C') = 12 \\ n(C - A) = 20 & n(\text{intersect}(A, C, B')) = 10 & n((A \cup B') - C) = 15 \\ n(C \cap (A' \cup B')) = 3 & n(C - (A \cap B)) = 30 & n(A - B - C) = 6 \end{bmatrix}$$

$$Ans3 = [ans.1 = 37, ans.2 = 62, ans.3 = 27], \quad , \quad Ans4 = 17, \quad , \quad Ans5 = 13$$

$$Ans6 = 7, \quad , \quad Ans7 = 8, \quad , \quad Ans8 = 31, \quad , \quad Ans9 = 7, \quad , \quad Ans10 = 60$$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 36 & n(A - B) = 4 & n(A' \cap C') = 10 \\ n(C - A) = 15 & n(\text{intersect}(A, C, B')) = 0 & n((A \cup B') - C) = 13 \\ n(C \cap (A' \cup B')) = 4 & n(C - (A \cap B)) = 15 & n(A - B - C) = 4 \end{bmatrix}$$

$$Ans6 = 11, \quad , \quad Ans7 = 1, \quad , \quad Ans8 = 41, \quad , \quad Ans9 = 4, \quad , \quad Ans10 = 150$$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 25 & n(A - B) = 11 & n(A' \cap C') = 1 \\ n(C - A) = 2 & n(\text{intersect}(A, C, B')) = 5 & n((A \cup B') - C) = 11 \\ n(C \cap (A' \cup B')) = 6 & n(C - (A \cap B)) = 7 & n(A - B - C) = 6 \end{bmatrix}$$

$$Ans6 = 7, \quad , \quad Ans7 = 9, \quad , \quad Ans8 = 26, \quad , \quad Ans9 = 10, \quad , \quad Ans10 = 120$$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 50 & n(A - B) = 14 & n(A' \cap C') = 13 \\ n(C - A) = 17 & n(\text{intersect}(A, C, B')) = 10 & n((A \cup B') - C) = 13 \\ n(C \cap (A' \cup B')) = 7 & n(C - (A \cap B)) = 27 & n(A - B - C) = 4 \end{bmatrix}$$

$$Ans6 = 12, \quad , \quad Ans7 = 7, \quad , \quad Ans8 = 31, \quad , \quad Ans9 = 10, \quad , \quad Ans10 = 0$$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 35 & n(A - B) = 7 & n(A' \cap C') = 6 \\ n(C - A) = 14 & n(\text{intersect}(A, C, B')) = 5 & n((A \cup B') - C) = 5 \\ n(C \cap (A' \cup B')) = 7 & n(C - (A \cap B)) = 19 & n(A - B - C) = 2 \end{bmatrix}$$

$$Ans6 = 15, \quad , \quad Ans7 = 6, \quad , \quad Ans8 = 58, \quad , \quad Ans9 = 20, \quad , \quad Ans10 = 50$$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 18 & n(A - B) = 9 & n(A' \cap C') = 11 \\ n(C - A) = 2 & n(\text{intersect}(A, C, B')) = 8 & n((A \cup B') - C) = 14 \\ n(C \cap (A' \cup B')) = 3 & n(C - (A \cap B)) = 10 & n(A - B - C) = 1 \end{bmatrix}$$

$Ans6 = 6,$, $Ans7 = 9,$, $Ans8 = 59,$, $Ans9 = 22,$, $Ans10 = 10$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 29 & n(A - B) = 9 & n(A' \cap C') = 12 \\ n(C - A) = 7 & n(\text{intersect}(A, C, B')) = 6 & n((A \cup B') - C) = 20 \\ n(C \cap (A' \cup B')) = 4 & n(C - (A \cap B)) = 13 & n(A - B - C) = 3 \end{bmatrix}$$

$$Ans6 = 11, \quad , \quad Ans7 = 4, \quad , \quad Ans8 = 46, \quad , \quad Ans9 = 12, \quad , \quad Ans10 = 160$$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 36 & n(A - B) = 14 & n(A' \cap C') = 5 \\ n(C - A) = 7 & n(\text{intersect}(A, C, B')) = 5 & n((A \cup B') - C) = 18 \\ n(C \cap (A' \cup B')) = 5 & n(C - (A \cap B)) = 12 & n(A - B - C) = 9 \end{bmatrix}$$

$$Ans6 = 13, \quad , \quad Ans7 = 1, \quad , \quad Ans8 = 37, \quad , \quad Ans9 = 11, \quad , \quad Ans10 = 70$$

$$Ans1 = \begin{bmatrix} n(A \cup B) = 33 & n(A') = 22 & n(B') = 29 \\ n(A - B) = 14 & n(B - A) = 7 & n(A \cup B') = 41 \\ n(A' \cup B') = 36 & n(A - B') = 12 & n((A \cap B)') = 36 \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 31 & n(A - B) = 12 & n(A' \cap C') = 10 \\ n(C - A) = 2 & n(\text{intersect}(A, C, B')) = 10 & n((A \cup B') - C) = 20 \\ n(C \cap (A' \cup B')) = 5 & n(C - (A \cap B)) = 12 & n(A - B - C) = 2 \end{bmatrix}$$

$$Ans3 = [ans.1 = 41, ans.2 = 67, ans.3 = 17], \quad , \quad Ans4 = 21, \quad , \quad Ans5 = 17$$

$$Ans6 = 16, \quad , \quad Ans7 = 5, \quad , \quad Ans8 = 38, \quad , \quad Ans9 = 16, \quad , \quad Ans10 = 70$$

$$Ans1 = \begin{bmatrix} n(A \cup B) = 33 & n(A') = 21 & n(B') = 23 \\ n(A - B) = 10 & n(B - A) = 8 & n(A \cup B') = 38 \\ n(A' \cup B') = 31 & n(A - B') = 15 & n((A \cap B)') = 31 \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 20 & n(A - B) = 9 & n(A' \cap C') = 12 \\ n(C - A) = 4 & n(\text{intersect}(A, C, B')) = 3 & n((A \cup B') - C) = 13 \\ n(C \cap (A' \cup B')) = 0 & n(C - (A \cap B)) = 7 & n(A - B - C) = 6 \end{bmatrix}$$

$$Ans3 = [ans.1 = 42, ans.2 = 68, ans.3 = 13], \quad , \quad Ans4 = 20, \quad , \quad Ans5 = 13$$

$$Ans6 = 11, \quad , \quad Ans7 = 7, \quad , \quad Ans8 = 40, \quad , \quad Ans9 = 4, \quad , \quad Ans10 = 40$$

$$Ans1 = \begin{bmatrix} n(A \cup B) = 37 & n(A') = 22 & n(B') = 15 \\ n(A - B) = 8 & n(B - A) = 15 & n(A \cup B') = 29 \\ n(A' \cup B') = 30 & n(A - B') = 14 & n((A \cap B)') = 30 \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 39 & n(A - B) = 12 & n(A' \cap C') = 9 \\ n(C - A) = 16 & n(\text{intersect}(A, C, B')) = 8 & n((A \cup B') - C) = 13 \\ n(C \cap (A' \cup B')) = 5 & n(C - (A \cap B)) = 24 & n(A - B - C) = 4 \end{bmatrix}$$

$$Ans3 = [ans.1 = 35, ans.2 = 54, ans.3 = 25], \quad , \quad Ans4 = 20, \quad , \quad Ans5 = 19$$

$Ans6 = 5,$, $Ans7 = 2,$, $Ans8 = 57,$, $Ans9 = 12,$, $Ans10 = 30$

$$Ans1 = \begin{bmatrix} n(A \cup B) = 31 & n(A') = 24 & n(B') = 26 \\ n(A - B) = 14 & n(B - A) = 12 & n(A \cup B') = 31 \\ n(A' \cup B') = 38 & n(A - B') = 5 & n((A \cap B)') = 38 \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 32 & n(A - B) = 14 & n(A' \cap C') = 12 \\ n(C - A) = 6 & n(\text{intersect}(A, C, B')) = 4 & n((A \cup B') - C) = 21 \\ n(C \cap (A' \cup B')) = 9 & n(C - (A \cap B)) = 10 & n(A - B - C) = 10 \end{bmatrix}$$

$$Ans3 = [ans.1 = 26, ans.2 = 44, ans.3 = 22], \quad , \quad Ans4 = 15, \quad , \quad Ans5 = 13$$

$Ans6 = 12,$, $Ans7 = 4,$, $Ans8 = 55,$, $Ans9 = 6,$, $Ans10 = 50$

$$Ans1 = \begin{bmatrix} n(A \cup B) = 26 & n(A') = 19 & n(B') = 21 \\ n(A - B) = 9 & n(B - A) = 7 & n(A \cup B') = 31 \\ n(A' \cup B') = 28 & n(A - B') = 10 & n((A \cap B)') = 28 \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 31 & n(A - B) = 7 & n(A' \cap C') = 3 \\ n(C - A) = 16 & n(\text{intersect}(A, C, B')) = 3 & n((A \cup B') - C) = 9 \\ n(C \cap (A' \cup B')) = 6 & n(C - (A \cap B)) = 19 & n(A - B - C) = 4 \end{bmatrix}$$

$$Ans3 = [ans.1 = 27, ans.2 = 54, ans.3 = 22], \quad , \quad Ans4 = 11, \quad , \quad Ans5 = 8$$

$$Ans6 = 14, \quad , \quad Ans7 = 6, \quad , \quad Ans8 = 55, \quad , \quad Ans9 = 8, \quad , \quad Ans10 = 140$$

$$Ans1 = \begin{bmatrix} n(A \cup B) = 31 & n(A') = 20 & n(B') = 24 \\ n(A - B) = 15 & n(B - A) = 11 & n(A \cup B') = 29 \\ n(A' \cup B') = 35 & n(A - B') = 5 & n((A \cap B)') = 35 \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 32 & n(A - B) = 13 & n(A' \cap C') = 11 \\ n(C - A) = 8 & n(\text{intersect}(A, C, B')) = 6 & n((A \cup B') - C) = 10 \\ n(C \cap (A' \cup B')) = 3 & n(C - (A \cap B)) = 14 & n(A - B - C) = 7 \end{bmatrix}$$

$$Ans3 = [ans.1 = 38, ans.2 = 60, ans.3 = 15], \quad , \quad Ans4 = 12, \quad , \quad Ans5 = 21$$

$$Ans6 = 6, \quad , \quad Ans7 = 2, \quad , \quad Ans8 = 53, \quad , \quad Ans9 = 11, \quad , \quad Ans10 = 0$$