X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM4/2-6700102-00001XX
Set02 Answers for No.10044

$$Ans1 = \begin{bmatrix} n(A \cup B) = 33 & n(A') = 16 & n(B') = 17 \\ n(A - B) = 10 & n(B - A) = 9 & n(A \cup B') = 31 \\ n(A' \cup B') = 26 & n(A - B') = 14 & n((A \cap B)') = 26 \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} n(\mathrm{union}(A, B, C)) = 28 & n(A - B) = 5 & n(A' \cap C') = 13 \\ n(C - A) = 16 & n(\mathrm{intersect}(A, C, B')) = 5 & n((A \cup B') - C) = 11 \\ n(C \cap (A' \cup B')') = 3 & n(C - (A \cap B)) = 21 & n(A - B - C) = 0 \end{bmatrix}$$

$$Ans3 = [ans.1 = 51, ans.2 = 75, ans.3 = 25], \quad , Ans4 = 15, \quad , Ans5 = 18$$

$$Ans6 = 6, \quad , Ans7 = 7, \quad , Ans8 = 43, \quad , Ans9 = 16, \quad , Ans10 = 110$$

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Set02 Answers for No.10127

$$Ans1 = \begin{bmatrix} n(A \cup B) = 26 & n(A') = 19 & n(B') = 23 \\ n(A - B) = 9 & n(B - A) = 5 & n(A \cup B') = 35 \\ n(A' \cup B') = 28 & n(A - B') = 12 & n((A \cap B)') = 28 \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} n(\mathrm{union}(A, B, C)) = 32 & n(A - B) = 10 & n(A' \cap C') = 6 \\ n(C - A) = 6 & n(\mathrm{intersect}(A, C, B')) = 1 & n((A \cup B') - C) = 20 \\ n(C \cap (A' \cup B')') = 1 & n(C - (A \cap B)) = 7 & n(A - B - C) = 9 \end{bmatrix}$$

$$Ans3 = [ans.1 = 39, ans.2 = 58, ans.3 = 11], \quad , Ans4 = 12, \quad , Ans5 = 10$$

$$Ans6 = 8, \quad , Ans7 = 1, \quad , Ans8 = 41, \quad , Ans9 = 2, \quad , Ans10 = 150$$

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Set02 Answers for No.10305

$$Ans1 = \begin{bmatrix} n(A \cup B) = 25 & n(A') = 11 & n(B') = 15 \\ n(A - B) = 9 & n(B - A) = 5 & n(A \cup B') = 26 \\ n(A' \cup B') = 20 & n(A - B') = 11 & n((A \cap B)') = 20 \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} n(\mathrm{union}(A, B, C)) = 23 & n(A - B) = 1 & n(A' \cap C') = 11 \\ n(C - A) = 2 & n(\mathrm{intersect}(A, C, B')) = 0 & n((A \cup B') - C) = 14 \\ n(C \cap (A' \cup B')') = 4 & n(C - (A \cap B)) = 2 & n(A - B - C) = 1 \end{bmatrix}$$

$$Ans3 = [ans.1 = 33, ans.2 = 59, ans.3 = 14], \quad , Ans4 = 9, \quad , Ans5 = 22$$

$$Ans6 = 11, \quad , Ans7 = 5, \quad , Ans8 = 35, \quad , Ans9 = 4, \quad , Ans10 = 140$$

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM4/2-6700102-00004XX
Set02 Answers for No.10491

$$Ans1 = \begin{bmatrix} n(A \cup B) = 27 & n(A') = 17 & n(B') = 16 \\ n(A - B) = 9 & n(B - A) = 10 & n(A \cup B') = 24 \\ n(A' \cup B') = 26 & n(A - B') = 8 & n((A \cap B)') = 26 \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} n(\mathrm{union}(A, B, C)) = 44 & n(A - B) = 7 & n(A' \cap C') = 12 \\ n(C - A) = 18 & n(\mathrm{intersect}(A, C, B')) = 2 & n((A \cup B') - C) = 22 \\ n(C \cap (A' \cup B')') = 6 & n(C - (A \cap B)) = 20 & n(A - B - C) = 5 \end{bmatrix}$$

$$Ans3 = [ans.1 = 41, ans.2 = 52, ans.3 = 20], \quad , Ans4 = 18, \quad , Ans5 = 8$$

$$Ans6 = 8, \quad , Ans7 = 7, \quad , Ans8 = 43, \quad , Ans9 = 6, \quad , Ans10 = 90$$

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Set02 Answers for No.10782

$$Ans1 = \begin{bmatrix} n(A \cup B) = 27 & n(A') = 18 & n(B') = 13 \\ n(A - B) = 5 & n(B - A) = 10 & n(A \cup B') = 25 \\ n(A' \cup B') = 23 & n(A - B') = 12 & n((A \cap B)') = 23 \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 50 & n(A - B) = 15 & n(A' \cap C') = 8 \\ n(C - A) = 17 & n(\text{intersect}(A, C, B')) = 8 & n((A \cup B') - C) = 8 \\ n(C \cap (A' \cup B')') = 9 & n(C - (A \cap B)) = 25 & n(A - B - C) = 7 \end{bmatrix}$$

$$Ans3 = [ans.1 = 29, ans.2 = 55, ans.3 = 13], \quad , Ans4 = 8, \quad , Ans5 = 11$$

$$Ans6 = 5, \quad , Ans7 = 7, \quad , Ans8 = 42, \quad , Ans9 = 15, \quad , Ans10 = 60$$

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Set02 Answers for No.11040

$$Ans1 = \begin{bmatrix} n(A \cup B) = 29 & n(A') = 20 & n(B') = 17 \\ n(A - B) = 10 & n(B - A) = 13 & n(A \cup B') = 23 \\ n(A' \cup B') = 30 & n(A - B') = 6 & n((A \cap B)') = 30 \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 42 & n(A - B) = 12 & n(A' \cap C') = 7 \\ n(C - A) = 12 & n(\text{intersect}(A, C, B')) = 10 & n((A \cup B') - C) = 15 \\ n(C \cap (A' \cup B')') = 4 & n(C - (A \cap B)) = 22 & n(A - B - C) = 2 \end{bmatrix}$$

$$Ans3 = [ans.1 = 45, ans.2 = 68, ans.3 = 14], \quad , Ans4 = 9, \quad , Ans5 = 18$$

$$Ans6 = 17, \quad , Ans7 = 5, \quad , Ans8 = 47, \quad , Ans9 = 11, \quad , Ans10 = 60$$

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Set02 Answers for No.11048

$$Ans1 = \begin{bmatrix} n(A \cup B) = 27 & n(A') = 16 & n(B') = 22 \\ n(A - B) = 14 & n(B - A) = 8 & n(A \cup B') = 27 \\ n(A' \cup B') = 30 & n(A - B') = 5 & n((A \cap B)') = 30 \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 31 & n(A - B) = 8 & n(A' \cap C') = 12 \\ n(C - A) = 6 & n(\text{intersect}(A, C, B')) = 4 & n((A \cup B') - C) = 7 \\ n(C \cap (A' \cup B')') = 6 & n(C - (A \cap B)) = 10 & n(A - B - C) = 4 \end{bmatrix}$$

$$Ans3 = [ans.1 = 31, ans.2 = 42, ans.3 = 15], \quad , Ans4 = 9, \quad , Ans5 = 17$$

$$Ans6 = 10, \quad , Ans7 = 4, \quad , Ans8 = 48, \quad , Ans9 = 2, \quad , Ans10 = 20$$

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Set02 Answers for No.11107

$$Ans1 = \begin{bmatrix} n(A \cup B) = 44 & n(A') = 20 & n(B') = 19 \\ n(A - B) = 14 & n(B - A) = 15 & n(A \cup B') = 34 \\ n(A' \cup B') = 34 & n(A - B') = 15 & n((A \cap B)') = 34 \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 43 & n(A - B) = 9 & n(A' \cap C') = 18 \\ n(C - A) = 13 & n(\text{intersect}(A, C, B')) = 1 & n((A \cup B') - C) = 24 \\ n(C \cap (A' \cup B')') = 5 & n(C - (A \cap B)) = 14 & n(A - B - C) = 8 \end{bmatrix}$$

$$Ans3 = [ans.1 = 45, ans.2 = 67, ans.3 = 21], \quad , Ans4 = 14, \quad , Ans5 = 16$$

$$Ans6 = 16, \quad , Ans7 = 8, \quad , Ans8 = 58, \quad , Ans9 = 22, \quad , Ans10 = 100$$

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Set02 Answers for No.11419

$$Ans1 = \begin{bmatrix} n(A \cup B) = 36 & n(A') = 15 & n(B') = 20 \\ n(A - B) = 13 & n(B - A) = 8 & n(A \cup B') = 35 \\ n(A' \cup B') = 28 & n(A - B') = 15 & n((A \cap B)') = 28 \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} n(\mathrm{union}(A, B, C)) = 31 & n(A - B) = 11 & n(A' \cap C') = 4 \\ n(C - A) = 5 & n(\mathrm{intersect}(A, C, B')) = 5 & n((A \cup B') - C) = 14 \\ n(C \cap (A' \cup B')') = 5 & n(C - (A \cap B)) = 10 & n(A - B - C) = 6 \end{bmatrix}$$

$$Ans3 = [ans.1 = 36, ans.2 = 52, ans.3 = 24], \quad , Ans4 = 16, \quad , Ans5 = 18$$

$$Ans6 = 16, \quad , Ans7 = 3, \quad , Ans8 = 59, \quad , Ans9 = 13, \quad , Ans10 = 160$$

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Set02 Answers for No.11424

$$Ans1 = \begin{bmatrix} n(A \cup B) = 37 & n(A') = 27 & n(B') = 24 \\ n(A - B) = 11 & n(B - A) = 14 & n(A \cup B') = 36 \\ n(A' \cup B') = 38 & n(A - B') = 12 & n((A \cap B)') = 38 \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} n(\mathrm{union}(A, B, C)) = 31 & n(A - B) = 6 & n(A' \cap C') = 17 \\ n(C - A) = 11 & n(\mathrm{intersect}(A, C, B')) = 5 & n((A \cup B') - C) = 13 \\ n(C \cap (A' \cup B')') = 5 & n(C - (A \cap B)) = 16 & n(A - B - C) = 1 \end{bmatrix}$$

$$Ans3 = [ans.1 = 45, ans.2 = 58, ans.3 = 13], \quad , Ans4 = 20, \quad , Ans5 = 11$$

$$Ans6 = 13, \quad , Ans7 = 6, \quad , Ans8 = 48, \quad , Ans9 = 20, \quad , Ans10 = 150$$

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Set02 Answers for No.11470

$$Ans1 = \begin{bmatrix} n(A \cup B) = 24 & n(A') = 19 & n(B') = 15 \\ n(A - B) = 7 & n(B - A) = 11 & n(A \cup B') = 21 \\ n(A' \cup B') = 26 & n(A - B') = 6 & n((A \cap B)') = 26 \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} n(\mathrm{union}(A, B, C)) = 36 & n(A - B) = 10 & n(A' \cap C') = 11 \\ n(C - A) = 2 & n(\mathrm{intersect}(A, C, B')) = 0 & n((A \cup B') - C) = 21 \\ n(C \cap (A' \cup B')') = 10 & n(C - (A \cap B)) = 2 & n(A - B - C) = 10 \end{bmatrix}$$

$$Ans3 = [ans.1 = 35, ans.2 = 57, ans.3 = 18], \quad , Ans4 = 16, \quad , Ans5 = 12$$

$$Ans6 = 7, \quad , Ans7 = 4, \quad , Ans8 = 41, \quad , Ans9 = 17, \quad , Ans10 = 20$$

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Set02 Answers for No.11472

$$Ans1 = \begin{bmatrix} n(A \cup B) = 36 & n(A') = 18 & n(B') = 17 \\ n(A - B) = 11 & n(B - A) = 12 & n(A \cup B') = 30 \\ n(A' \cup B') = 29 & n(A - B') = 13 & n((A \cap B)') = 29 \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} n(\mathrm{union}(A, B, C)) = 25 & n(A - B) = 5 & n(A' \cap C') = 5 \\ n(C - A) = 3 & n(\mathrm{intersect}(A, C, B')) = 1 & n((A \cup B') - C) = 18 \\ n(C \cap (A' \cup B')') = 8 & n(C - (A \cap B)) = 4 & n(A - B - C) = 4 \end{bmatrix}$$

$$Ans3 = [ans.1 = 35, ans.2 = 62, ans.3 = 17], \quad , Ans4 = 16, \quad , Ans5 = 22$$

$$Ans6 = 12, \quad , Ans7 = 2, \quad , Ans8 = 57, \quad , Ans9 = 14, \quad , Ans10 = 30$$

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Set02 Answers for No.11523

$$Ans1 = \begin{bmatrix} n(A \cup B) = 29 & n(A') = 17 & n(B') = 16 \\ n(A - B) = 8 & n(B - A) = 9 & n(A \cup B') = 28 \\ n(A' \cup B') = 25 & n(A - B') = 12 & n((A \cap B)') = 25 \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} n(union(A, B, C)) = 43 & n(A - B) = 13 & n(A' \cap C') = 16 \\ n(C - A) = 10 & n(intersect(A, C, B')) = 5 & n((A \cup B') - C) = 25 \\ n(C \cap (A' \cup B')') = 1 & n(C - (A \cap B)) = 15 & n(A - B - C) = 8 \end{bmatrix}$$

$$Ans3 = [ans.1 = 51, ans.2 = 68, ans.3 = 20], \quad , Ans4 = 14, \quad , Ans5 = 9$$

$$Ans6 = 11, \quad , Ans7 = 10, \quad , Ans8 = 44, \quad , Ans9 = 16, \quad , Ans10 = 10$$

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Set02 Answers for No.11549

$$Ans1 = \begin{bmatrix} n(A \cup B) = 30 & n(A') = 27 & n(B') = 26 \\ n(A - B) = 11 & n(B - A) = 12 & n(A \cup B') = 33 \\ n(A' \cup B') = 38 & n(A - B') = 7 & n((A \cap B)') = 38 \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} n(union(A, B, C)) = 27 & n(A - B) = 6 & n(A' \cap C') = 18 \\ n(C - A) = 9 & n(intersect(A, C, B')) = 3 & n((A \cup B') - C) = 17 \\ n(C \cap (A' \cup B')') = 0 & n(C - (A \cap B)) = 12 & n(A - B - C) = 3 \end{bmatrix}$$

$$Ans3 = [ans.1 = 40, ans.2 = 63, ans.3 = 13], \quad , Ans4 = 7, \quad , Ans5 = 26$$

$$Ans6 = 12, \quad , Ans7 = 5, \quad , Ans8 = 38, \quad , Ans9 = 10, \quad , Ans10 = 70$$

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Set02 Answers for No.11925

$$Ans1 = \begin{bmatrix} n(A \cup B) = 37 & n(A') = 24 & n(B') = 20 \\ n(A - B) = 10 & n(B - A) = 14 & n(A \cup B') = 33 \\ n(A' \cup B') = 34 & n(A - B') = 13 & n((A \cap B)') = 34 \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} n(union(A, B, C)) = 40 & n(A - B) = 16 & n(A' \cap C') = 11 \\ n(C - A) = 11 & n(intersect(A, C, B')) = 10 & n((A \cup B') - C) = 10 \\ n(C \cap (A' \cup B')') = 4 & n(C - (A \cap B)) = 21 & n(A - B - C) = 6 \end{bmatrix}$$

$$Ans3 = [ans.1 = 31, ans.2 = 50, ans.3 = 20], \quad , Ans4 = 19, \quad , Ans5 = 10$$

$$Ans6 = 11, \quad , Ans7 = 1, \quad , Ans8 = 33, \quad , Ans9 = 6, \quad , Ans10 = 40$$

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Set02 Answers for No.11935

$$Ans1 = \begin{bmatrix} n(A \cup B) = 25 & n(A') = 22 & n(B') = 24 \\ n(A - B) = 9 & n(B - A) = 7 & n(A \cup B') = 33 \\ n(A' \cup B') = 31 & n(A - B') = 9 & n((A \cap B)') = 31 \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} n(union(A, B, C)) = 26 & n(A - B) = 13 & n(A' \cap C') = 6 \\ n(C - A) = 7 & n(intersect(A, C, B')) = 4 & n((A \cup B') - C) = 14 \\ n(C \cap (A' \cup B')') = 3 & n(C - (A \cap B)) = 11 & n(A - B - C) = 9 \end{bmatrix}$$

$$Ans3 = [ans.1 = 38, ans.2 = 59, ans.3 = 23], \quad , Ans4 = 12, \quad , Ans5 = 14$$

$$Ans6 = 9, \quad , Ans7 = 1, \quad , Ans8 = 39, \quad , Ans9 = 10, \quad , Ans10 = 130$$

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Set02 Answers for No.12183

$$Ans1 = \begin{bmatrix} n(A \cup B) = 21 & n(A') = 19 & n(B') = 21 \\ n(A - B) = 9 & n(B - A) = 7 & n(A \cup B') = 26 \\ n(A' \cup B') = 28 & n(A - B') = 5 & n((A \cap B)') = 28 \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} n(union(A, B, C)) = 32 & n(A - B) = 13 & n(A' \cap C') = 6 \\ n(C - A) = 8 & n(intersect(A, C, B')) = 9 & n((A \cup B') - C) = 10 \\ n(C \cap (A' \cup B')') = 1 & n(C - (A \cap B)) = 17 & n(A - B - C) = 4 \end{bmatrix}$$

$$Ans3 = [ans.1 = 44, ans.2 = 60, ans.3 = 12], \quad , Ans4 = 10, \quad , Ans5 = 16$$

$$Ans6 = 15, \quad , Ans7 = 8, \quad , Ans8 = 28, \quad , Ans9 = 13, \quad , Ans10 = 100$$

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Set02 Answers for No.12246

$$Ans1 = \begin{bmatrix} n(A \cup B) = 32 & n(A') = 19 & n(B') = 28 \\ n(A - B) = 14 & n(B - A) = 5 & n(A \cup B') = 41 \\ n(A' \cup B') = 33 & n(A - B') = 13 & n((A \cap B)') = 33 \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} n(union(A, B, C)) = 38 & n(A - B) = 12 & n(A' \cap C') = 13 \\ n(C - A) = 10 & n(intersect(A, C, B')) = 4 & n((A \cup B') - C) = 24 \\ n(C \cap (A' \cup B')') = 5 & n(C - (A \cap B)) = 14 & n(A - B - C) = 8 \end{bmatrix}$$

$$Ans3 = [ans.1 = 33, ans.2 = 45, ans.3 = 11], \quad , Ans4 = 17, \quad , Ans5 = 8$$

$$Ans6 = 15, \quad , Ans7 = 1, \quad , Ans8 = 30, \quad , Ans9 = 15, \quad , Ans10 = 40$$

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Set02 Answers for No.12332

$$Ans1 = \begin{bmatrix} n(A \cup B) = 31 & n(A') = 20 & n(B') = 16 \\ n(A - B) = 10 & n(B - A) = 14 & n(A \cup B') = 23 \\ n(A' \cup B') = 30 & n(A - B') = 7 & n((A \cap B)') = 30 \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} n(union(A, B, C)) = 46 & n(A - B) = 17 & n(A' \cap C') = 11 \\ n(C - A) = 12 & n(intersect(A, C, B')) = 9 & n((A \cup B') - C) = 22 \\ n(C \cap (A' \cup B')') = 4 & n(C - (A \cap B)) = 21 & n(A - B - C) = 8 \end{bmatrix}$$

$$Ans3 = [ans.1 = 40, ans.2 = 59, ans.3 = 26], \quad , Ans4 = 23, \quad , Ans5 = 20$$

$$Ans6 = 7, \quad , Ans7 = 6, \quad , Ans8 = 48, \quad , Ans9 = 10, \quad , Ans10 = 80$$

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Set02 Answers for No.12682

$$Ans1 = \begin{bmatrix} n(A \cup B) = 20 & n(A') = 24 & n(B') = 20 \\ n(A - B) = 5 & n(B - A) = 9 & n(A \cup B') = 26 \\ n(A' \cup B') = 29 & n(A - B') = 6 & n((A \cap B)') = 29 \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} n(union(A, B, C)) = 47 & n(A - B) = 12 & n(A' \cap C') = 12 \\ n(C - A) = 19 & n(intersect(A, C, B')) = 2 & n((A \cup B') - C) = 17 \\ n(C \cap (A' \cup B')') = 3 & n(C - (A \cap B)) = 21 & n(A - B - C) = 10 \end{bmatrix}$$

$$Ans3 = [ans.1 = 29, ans.2 = 47, ans.3 = 16], \quad , Ans4 = 7, \quad , Ans5 = 22$$

$$Ans6 = 17, \quad , Ans7 = 3, \quad , Ans8 = 60, \quad , Ans9 = 6, \quad , Ans10 = 10$$

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Set02 Answers for No.12783

$$Ans1 = \begin{bmatrix} n(A \cup B) = 39 & n(A') = 23 & n(B') = 24 \\ n(A - B) = 13 & n(B - A) = 12 & n(A \cup B') = 38 \\ n(A' \cup B') = 36 & n(A - B') = 14 & n((A \cap B)') = 36 \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 24 & n(A - B) = 13 & n(A' \cap C') = 3 \\ n(C - A) = 4 & n(\text{intersect}(A, C, B')) = 7 & n((A \cup B') - C) = 8 \\ n(C \cap (A' \cup B')') = 6 & n(C - (A \cap B)) = 11 & n(A - B - C) = 6 \end{bmatrix}$$

$$Ans3 = [ans.1 = 42, ans.2 = 68, ans.3 = 16], \quad , Ans4 = 8, \quad , Ans5 = 20$$

$$Ans6 = 8, \quad , Ans7 = 5, \quad , Ans8 = 43, \quad , Ans9 = 13, \quad , Ans10 = 70$$

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Set02 Answers for No.13022

$$Ans1 = \begin{bmatrix} n(A \cup B) = 30 & n(A') = 21 & n(B') = 15 \\ n(A - B) = 7 & n(B - A) = 13 & n(A \cup B') = 25 \\ n(A' \cup B') = 28 & n(A - B') = 10 & n((A \cap B)') = 28 \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 46 & n(A - B) = 13 & n(A' \cap C') = 15 \\ n(C - A) = 15 & n(\text{intersect}(A, C, B')) = 7 & n((A \cup B') - C) = 14 \\ n(C \cap (A' \cup B')') = 9 & n(C - (A \cap B)) = 22 & n(A - B - C) = 6 \end{bmatrix}$$

$$Ans3 = [ans.1 = 49, ans.2 = 66, ans.3 = 17], \quad , Ans4 = 8, \quad , Ans5 = 14$$

$$Ans6 = 6, \quad , Ans7 = 5, \quad , Ans8 = 35, \quad , Ans9 = 18, \quad , Ans10 = 110$$

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Set02 Answers for No.13650

$$Ans1 = \begin{bmatrix} n(A \cup B) = 28 & n(A') = 16 & n(B') = 21 \\ n(A - B) = 11 & n(B - A) = 6 & n(A \cup B') = 32 \\ n(A' \cup B') = 27 & n(A - B') = 11 & n((A \cap B)') = 27 \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 41 & n(A - B) = 12 & n(A' \cap C') = 12 \\ n(C - A) = 8 & n(\text{intersect}(A, C, B')) = 6 & n((A \cup B') - C) = 12 \\ n(C \cap (A' \cup B')') = 7 & n(C - (A \cap B)) = 14 & n(A - B - C) = 6 \end{bmatrix}$$

$$Ans3 = [ans.1 = 35, ans.2 = 50, ans.3 = 14], \quad , Ans4 = 15, \quad , Ans5 = 24$$

$$Ans6 = 6, \quad , Ans7 = 5, \quad , Ans8 = 25, \quad , Ans9 = 20, \quad , Ans10 = 80$$

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM4/2-6700102-00024XX
Set02 Answers for No.13655

$$Ans1 = \begin{bmatrix} n(A \cup B) = 34 & n(A') = 18 & n(B') = 23 \\ n(A - B) = 15 & n(B - A) = 10 & n(A \cup B') = 32 \\ n(A' \cup B') = 33 & n(A - B') = 9 & n((A \cap B)') = 33 \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 41 & n(A - B) = 16 & n(A' \cap C') = 11 \\ n(C - A) = 8 & n(\text{intersect}(A, C, B')) = 8 & n((A \cup B') - C) = 23 \\ n(C \cap (A' \cup B')') = 3 & n(C - (A \cap B)) = 16 & n(A - B - C) = 8 \end{bmatrix}$$

$$Ans3 = [ans.1 = 40, ans.2 = 52, ans.3 = 14], \quad , Ans4 = 16, \quad , Ans5 = 24$$

$$Ans6 = 8, \quad , Ans7 = 2, \quad , Ans8 = 37, \quad , Ans9 = 18, \quad , Ans10 = 70$$

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM4/2-6700102-00025XX
Set02 Answers for No.13667

$$Ans1 = \begin{bmatrix} n(A \cup B) = 31 & n(A') = 20 & n(B') = 26 \\ n(A - B) = 15 & n(B - A) = 9 & n(A \cup B') = 33 \\ n(A' \cup B') = 35 & n(A - B') = 7 & n((A \cap B)') = 35 \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 43 & n(A - B) = 20 & n(A' \cap C') = 9 \\ n(C - A) = 7 & n(\text{intersect}(A, C, B')) = 10 & n((A \cup B') - C) = 22 \\ n(C \cap (A' \cup B')') = 7 & n(C - (A \cap B)) = 17 & n(A - B - C) = 10 \end{bmatrix}$$

$Ans3 = [ans.1 = 40, ans.2 = 60, ans.3 = 18]$, , $Ans4 = 12$, , $Ans5 = 20$

$Ans6 = 8$, , $Ans7 = 7$, , $Ans8 = 48$, , $Ans9 = 20$, , $Ans10 = 50$

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM4/2-6700102-00026XX
Set02 Answers for No.13734

$$Ans1 = \begin{bmatrix} n(A \cup B) = 23 & n(A') = 16 & n(B') = 13 \\ n(A - B) = 5 & n(B - A) = 8 & n(A \cup B') = 23 \\ n(A' \cup B') = 21 & n(A - B') = 10 & n((A \cap B)') = 21 \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 35 & n(A - B) = 2 & n(A' \cap C') = 11 \\ n(C - A) = 18 & n(\text{intersect}(A, C, B')) = 2 & n((A \cup B') - C) = 8 \\ n(C \cap (A' \cup B')') = 6 & n(C - (A \cap B)) = 20 & n(A - B - C) = 0 \end{bmatrix}$$

$Ans3 = [ans.1 = 37, ans.2 = 61, ans.3 = 22]$, , $Ans4 = 21$, , $Ans5 = 11$

$Ans6 = 16$, , $Ans7 = 6$, , $Ans8 = 45$, , $Ans9 = 5$, , $Ans10 = 50$

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM4/2-6700102-00027XX
Set02 Answers for No.13962

$$Ans1 = \begin{bmatrix} n(A \cup B) = 26 & n(A') = 23 & n(B') = 17 \\ n(A - B) = 7 & n(B - A) = 13 & n(A \cup B') = 23 \\ n(A' \cup B') = 30 & n(A - B') = 6 & n((A \cap B)') = 30 \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 20 & n(A - B) = 8 & n(A' \cap C') = 7 \\ n(C - A) = 2 & n(\text{intersect}(A, C, B')) = 5 & n((A \cup B') - C) = 12 \\ n(C \cap (A' \cup B')') = 2 & n(C - (A \cap B)) = 7 & n(A - B - C) = 3 \end{bmatrix}$$

$Ans3 = [ans.1 = 25, ans.2 = 37, ans.3 = 20]$, , $Ans4 = 8$, , $Ans5 = 13$

$Ans6 = 7$, , $Ans7 = 6$, , $Ans8 = 47$, , $Ans9 = 18$, , $Ans10 = 30$

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM4/2-6700102-00028XX
Set02 Answers for No.14470

$$Ans1 = \begin{bmatrix} n(A \cup B) = 33 & n(A') = 22 & n(B') = 24 \\ n(A - B) = 13 & n(B - A) = 11 & n(A \cup B') = 33 \\ n(A' \cup B') = 35 & n(A - B') = 9 & n((A \cap B)') = 35 \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 33 & n(A - B) = 9 & n(A' \cap C') = 6 \\ n(C - A) = 11 & n(\text{intersect}(A, C, B')) = 4 & n((A \cup B') - C) = 10 \\ n(C \cap (A' \cup B')') = 6 & n(C - (A \cap B)) = 15 & n(A - B - C) = 5 \end{bmatrix}$$

$Ans3 = [ans.1 = 44, ans.2 = 70, ans.3 = 21]$, , $Ans4 = 15$, , $Ans5 = 16$

$Ans6 = 16$, , $Ans7 = 8$, , $Ans8 = 39$, , $Ans9 = 14$, , $Ans10 = 20$

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM4/2-6700102-00029XX
Set02 Answers for No.14561

$$Ans1 = \begin{bmatrix} n(A \cup B) = 27 & n(A') = 25 & n(B') = 18 \\ n(A - B) = 7 & n(B - A) = 14 & n(A \cup B') = 24 \\ n(A' \cup B') = 32 & n(A - B') = 6 & n((A \cap B)') = 32 \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 49 & n(A - B) = 12 & n(A' \cap C') = 9 \\ n(C - A) = 18 & n(\text{intersect}(A, C, B')) = 5 & n((A \cup B') - C) = 12 \\ n(C \cap (A' \cup B')') = 9 & n(C - (A \cap B)) = 23 & n(A - B - C) = 7 \end{bmatrix}$$

$$Ans3 = [ans.1 = 48, ans.2 = 71, ans.3 = 20], \quad , Ans4 = 22, \quad , Ans5 = 18$$

$$Ans6 = 13, \quad , Ans7 = 3, \quad , Ans8 = 51, \quad , Ans9 = 13, \quad , Ans10 = 120$$

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM4/2-6700102-00030XX
Set02 Answers for No.14657

$$Ans1 = \begin{bmatrix} n(A \cup B) = 34 & n(A') = 25 & n(B') = 29 \\ n(A - B) = 15 & n(B - A) = 11 & n(A \cup B') = 37 \\ n(A' \cup B') = 40 & n(A - B') = 8 & n((A \cap B)') = 40 \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 30 & n(A - B) = 9 & n(A' \cap C') = 6 \\ n(C - A) = 9 & n(\text{intersect}(A, C, B')) = 6 & n((A \cup B') - C) = 7 \\ n(C \cap (A' \cup B')') = 4 & n(C - (A \cap B)) = 15 & n(A - B - C) = 3 \end{bmatrix}$$

$$Ans3 = [ans.1 = 35, ans.2 = 47, ans.3 = 15], \quad , Ans4 = 14, \quad , Ans5 = 13$$

$$Ans6 = 16, \quad , Ans7 = 8, \quad , Ans8 = 49, \quad , Ans9 = 8, \quad , Ans10 = 120$$

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Set02 Answers for No.14661

$$Ans1 = \begin{bmatrix} n(A \cup B) = 34 & n(A') = 22 & n(B') = 27 \\ n(A - B) = 12 & n(B - A) = 7 & n(A \cup B') = 42 \\ n(A' \cup B') = 34 & n(A - B') = 15 & n((A \cap B)') = 34 \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 19 & n(A - B) = 6 & n(A' \cap C') = 4 \\ n(C - A) = 7 & n(\text{intersect}(A, C, B')) = 5 & n((A \cup B') - C) = 4 \\ n(C \cap (A' \cup B')') = 5 & n(C - (A \cap B)) = 12 & n(A - B - C) = 1 \end{bmatrix}$$

$$Ans3 = [ans.1 = 51, ans.2 = 64, ans.3 = 22], \quad , Ans4 = 11, \quad , Ans5 = 13$$

$$Ans6 = 7, \quad , Ans7 = 8, \quad , Ans8 = 30, \quad , Ans9 = 20, \quad , Ans10 = 70$$

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM4/2-6700102-00032XX
Set02 Answers for No.14674

$$Ans1 = \begin{bmatrix} n(A \cup B) = 29 & n(A') = 23 & n(B') = 18 \\ n(A - B) = 5 & n(B - A) = 10 & n(A \cup B') = 32 \\ n(A' \cup B') = 28 & n(A - B') = 14 & n((A \cap B)') = 28 \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 40 & n(A - B) = 11 & n(A' \cap C') = 3 \\ n(C - A) = 16 & n(\text{intersect}(A, C, B')) = 10 & n((A \cup B') - C) = 13 \\ n(C \cap (A' \cup B')') = 2 & n(C - (A \cap B)) = 26 & n(A - B - C) = 1 \end{bmatrix}$$

$$Ans3 = [ans.1 = 24, ans.2 = 46, ans.3 = 21], \quad , Ans4 = 21, \quad , Ans5 = 23$$

$$Ans6 = 9, \quad , Ans7 = 1, \quad , Ans8 = 47, \quad , Ans9 = 18, \quad , Ans10 = 20$$

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Set02 Answers for No.14676

$$Ans1 = \begin{bmatrix} n(A \cup B) = 30 & n(A') = 15 & n(B') = 18 \\ n(A - B) = 13 & n(B - A) = 10 & n(A \cup B') = 25 \\ n(A' \cup B') = 28 & n(A - B') = 7 & n((A \cap B)') = 28 \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 43 & n(A - B) = 12 & n(A' \cap C') = 13 \\ n(C - A) = 9 & n(\text{intersect}(A, C, B')) = 3 & n((A \cup B') - C) = 27 \\ n(C \cap (A' \cup B')') = 9 & n(C - (A \cap B)) = 12 & n(A - B - C) = 9 \end{bmatrix}$$

$Ans3 = [ans.1 = 43, ans.2 = 69, ans.3 = 19]$, , $Ans4 = 17$, , $Ans5 = 21$

$Ans6 = 5$, , $Ans7 = 4$, , $Ans8 = 38$, , $Ans9 = 17$, , $Ans10 = 160$

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM4/2-6700102-00034XX
Set02 Answers for No.14685

$$Ans1 = \begin{bmatrix} n(A \cup B) = 19 & n(A') = 13 & n(B') = 14 \\ n(A - B) = 7 & n(B - A) = 6 & n(A \cup B') = 20 \\ n(A' \cup B') = 20 & n(A - B') = 6 & n((A \cap B)') = 20 \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 39 & n(A - B) = 19 & n(A' \cap C') = 5 \\ n(C - A) = 7 & n(\text{intersect}(A, C, B')) = 9 & n((A \cup B') - C) = 15 \\ n(C \cap (A' \cup B')') = 3 & n(C - (A \cap B)) = 16 & n(A - B - C) = 10 \end{bmatrix}$$

$Ans3 = [ans.1 = 46, ans.2 = 73, ans.3 = 12]$, , $Ans4 = 16$, , $Ans5 = 15$

$Ans6 = 14$, , $Ans7 = 5$, , $Ans8 = 47$, , $Ans9 = 16$, , $Ans10 = 90$

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM4/2-6700102-00035XX
Set02 Answers for No.14694

$$Ans1 = \begin{bmatrix} n(A \cup B) = 24 & n(A') = 16 & n(B') = 23 \\ n(A - B) = 13 & n(B - A) = 6 & n(A \cup B') = 28 \\ n(A' \cup B') = 29 & n(A - B') = 5 & n((A \cap B)') = 29 \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 38 & n(A - B) = 15 & n(A' \cap C') = 7 \\ n(C - A) = 10 & n(\text{intersect}(A, C, B')) = 9 & n((A \cup B') - C) = 11 \\ n(C \cap (A' \cup B')') = 5 & n(C - (A \cap B)) = 19 & n(A - B - C) = 6 \end{bmatrix}$$

$Ans3 = [ans.1 = 34, ans.2 = 47, ans.3 = 21]$, , $Ans4 = 9$, , $Ans5 = 13$

$Ans6 = 11$, , $Ans7 = 8$, , $Ans8 = 42$, , $Ans9 = 6$, , $Ans10 = 150$

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM4/2-6700102-00036XX
Set02 Answers for No.14705

$$Ans1 = \begin{bmatrix} n(A \cup B) = 37 & n(A') = 23 & n(B') = 17 \\ n(A - B) = 9 & n(B - A) = 15 & n(A \cup B') = 30 \\ n(A' \cup B') = 32 & n(A - B') = 13 & n((A \cap B)') = 32 \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} n(\text{union}(A, B, C)) = 36 & n(A - B) = 12 & n(A' \cap C') = 3 \\ n(C - A) = 7 & n(\text{intersect}(A, C, B')) = 5 & n((A \cup B') - C) = 19 \\ n(C \cap (A' \cup B')') = 8 & n(C - (A \cap B)) = 12 & n(A - B - C) = 7 \end{bmatrix}$$

$Ans3 = [ans.1 = 45, ans.2 = 62, ans.3 = 18]$, , $Ans4 = 20$, , $Ans5 = 16$

$Ans6 = 11$, , $Ans7 = 1$, , $Ans8 = 53$, , $Ans9 = 18$, , $Ans10 = 60$

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Set02 Answers for No.14715

$$Ans1 = \begin{bmatrix} n(A \cup B) = 29 & n(A') = 25 & n(B') = 27 \\ n(A - B) = 12 & n(B - A) = 10 & n(A \cup B') = 34 \\ n(A' \cup B') = 37 & n(A - B') = 7 & n((A \cap B)') = 37 \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} n(union(A, B, C)) = 37 & n(A - B) = 3 & n(A' \cap C') = 13 \\ n(C - A) = 11 & n(intersect(A, C, B')) = 3 & n((A \cup B') - C) = 12 \\ n(C \cap (A' \cup B')') = 10 & n(C - (A \cap B)) = 14 & n(A - B - C) = 0 \end{bmatrix}$$

$$Ans3 = [ans.1 = 31, ans.2 = 43, ans.3 = 19], \quad , Ans4 = 16, \quad , Ans5 = 8$$

$$Ans6 = 14, \quad , Ans7 = 7, \quad , Ans8 = 50, \quad , Ans9 = 18, \quad , Ans10 = 40$$

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM4/2-6700102-00038XX
Set02 Answers for No.14716

$$Ans1 = \begin{bmatrix} n(A \cup B) = 37 & n(A') = 24 & n(B') = 25 \\ n(A - B) = 15 & n(B - A) = 14 & n(A \cup B') = 33 \\ n(A' \cup B') = 39 & n(A - B') = 8 & n((A \cap B)') = 39 \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} n(union(A, B, C)) = 40 & n(A - B) = 20 & n(A' \cap C') = 8 \\ n(C - A) = 7 & n(intersect(A, C, B')) = 10 & n((A \cup B') - C) = 15 \\ n(C \cap (A' \cup B')') = 8 & n(C - (A \cap B)) = 17 & n(A - B - C) = 10 \end{bmatrix}$$

$$Ans3 = [ans.1 = 39, ans.2 = 51, ans.3 = 15], \quad , Ans4 = 15, \quad , Ans5 = 13$$

$$Ans6 = 16, \quad , Ans7 = 8, \quad , Ans8 = 47, \quad , Ans9 = 5, \quad , Ans10 = 110$$

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM4/2-6700102-00039XX
Set02 Answers for No.14719

$$Ans1 = \begin{bmatrix} n(A \cup B) = 30 & n(A') = 20 & n(B') = 27 \\ n(A - B) = 15 & n(B - A) = 8 & n(A \cup B') = 34 \\ n(A' \cup B') = 35 & n(A - B') = 7 & n((A \cap B)') = 35 \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} n(union(A, B, C)) = 32 & n(A - B) = 12 & n(A' \cap C') = 11 \\ n(C - A) = 11 & n(intersect(A, C, B')) = 9 & n((A \cup B') - C) = 15 \\ n(C \cap (A' \cup B')') = 4 & n(C - (A \cap B)) = 20 & n(A - B - C) = 3 \end{bmatrix}$$

$$Ans3 = [ans.1 = 28, ans.2 = 51, ans.3 = 13], \quad , Ans4 = 12, \quad , Ans5 = 16$$

$$Ans6 = 10, \quad , Ans7 = 8, \quad , Ans8 = 48, \quad , Ans9 = 7, \quad , Ans10 = 160$$

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM4/2-6700102-00040XX
Set02 Answers for No.14734

$$Ans1 = \begin{bmatrix} n(A \cup B) = 30 & n(A') = 25 & n(B') = 26 \\ n(A - B) = 13 & n(B - A) = 12 & n(A \cup B') = 31 \\ n(A' \cup B') = 38 & n(A - B') = 5 & n((A \cap B)') = 38 \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} n(union(A, B, C)) = 44 & n(A - B) = 10 & n(A' \cap C') = 4 \\ n(C - A) = 18 & n(intersect(A, C, B')) = 1 & n((A \cup B') - C) = 16 \\ n(C \cap (A' \cup B')') = 5 & n(C - (A \cap B)) = 19 & n(A - B - C) = 9 \end{bmatrix}$$

$$Ans3 = [ans.1 = 44, ans.2 = 56, ans.3 = 12], \quad , Ans4 = 20, \quad , Ans5 = 13$$

$$Ans6 = 11, \quad , Ans7 = 8, \quad , Ans8 = 39, \quad , Ans9 = 7, \quad , Ans10 = 90$$

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