

[illegible]

$$No01 = [n(U) = 44, n(A) = 25, n(B) = 21, n(A \cap B) = 11]$$

$$No02 = \begin{bmatrix} n(U) = 34 & n(A) = 21 & n(B) = 18 & n(C) = 25 \\ n(A \cap B) = 8 & n(A \cap C) = 16 & n(B \cap C) = 15 & n(\text{intersect}(A, B, C)) = 6 \end{bmatrix}$$

$$No03 = [N = 64, F = 38, V = 37, X = 22]$$

$$No04 = [N = 138, E = 73, M = 67, B = 72, X = 23, Y = 29, Z = 8]$$

$$No05 = [N = 26, G = 12, W = 13, R = 21, A = 9, B = 2, C = 8, D = 7]$$

$$No06 = [n(U) = 39, n(A' \cap B') = 15, (n(B \cap A') = n(A \cap B')) = 9]$$

$$No07 = [N = 42, A = 20, B = 29, C = 28, D = 10, E = 16, F = 16]$$

$$No08 = [A = 32, B = 15, C = 21, D = 15, E = 10, F = 19, G = 7]$$

$$No09 = [N = 600, A = 255, B = 335, C = 185, AB = 127, BC = 107, AC = 37, P = 3]$$

$$No10 = [N = 850, S = 130, A = 360, B = 90, C = 170, D = 200, E = 410]$$

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Set02 for No.11443

$$No01 = [n(U) = 39, n(A) = 14, n(B) = 18, n(A \cap B) = 5]$$

$$No02 = \begin{bmatrix} n(U) = 52 & n(A) = 26 & n(B) = 27 & n(C) = 27 \\ n(A \cap B) = 14 & n(A \cap C) = 19 & n(B \cap C) = 13 & n(\text{intersect}(A, B, C)) = 9 \end{bmatrix}$$

$$No03 = [N = 87, F = 50, V = 47, X = 25]$$

$$No04 = [N = 107, E = 55, M = 47, B = 70, X = 9, Y = 38, Z = 8]$$

$$No05 = [N = 50, G = 35, W = 28, R = 26, A = 7, B = 4, C = 20, D = 10]$$

$$No06 = [n(U) = 57, n(A' \cap B') = 14, (n(B \cap A') = n(A \cap B')) = 13]$$

$$No07 = [N = 44, A = 24, B = 28, C = 28, D = 9, E = 17, F = 17]$$

$$No08 = [A = 21, B = 8, C = 23, D = 17, E = 11, F = 31, G = 6]$$

$$No09 = [N = 700, A = 352, B = 372, C = 367, AB = 190, BC = 170, AC = 220, P = 12]$$

$$No10 = [N = 630, S = 60, A = 280, B = 170, C = 40, D = 130, E = 300]$$

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$$No01 = [n(U) = 40, n(A) = 17, n(B) = 25, n(A \cap B) = 12]$$

$$No02 = \begin{bmatrix} n(U) = 46 & n(A) = 19 & n(B) = 20 & n(C) = 27 \\ n(A \cap B) = 7 & n(A \cap C) = 12 & n(B \cap C) = 13 & n(\text{intersect}(A, B, C)) = 5 \end{bmatrix}$$

$$No03 = [N = 78, F = 31, V = 38, X = 18]$$

$$No04 = [N = 107, E = 57, M = 60, B = 28, X = 14, Y = 12, Z = 23]$$

$$No05 = [N = 35, G = 21, W = 15, R = 21, A = 5, B = 4, C = 6, D = 1]$$

$$No06 = [n(U) = 55, n(A' \cap B') = 16, (n(B \cap A') = n(A \cap B')) = 13]$$

$$No07 = [N = 48, A = 32, B = 32, C = 23, D = 13, E = 16, F = 16]$$

$$No08 = [A = 41, B = 17, C = 33, D = 24, E = 24, F = 45, G = 12]$$

$$No09 = [N = 500, A = 345, B = 245, C = 225, AB = 155, BC = 95, AC = 185, P = 16]$$

$$No10 = [N = 580, S = 70, A = 330, B = 160, C = 70, D = 200, E = 70]$$

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Set02 for No.14823

$$\begin{aligned}
No01 &= [n(U) = 53, n(A) = 25, n(B) = 26, n(A \cap B) = 12] \\
No02 &= \left[\begin{array}{cccc} n(U) = 50 & n(A) = 23 & n(B) = 33 & n(C) = 24 \\ n(A \cap B) = 17 & n(A \cap C) = 9 & n(B \cap C) = 14 & n(\text{intersect}(A, B, C)) = 7 \end{array} \right] \\
No03 &= [N = 77, F = 42, V = 40, X = 24]
\end{aligned}$$

$$No04 = [N = 85, E = 44, M = 38, B = 31, X = 23, Y = 11, Z = 9]$$

$$No05 = [N = 41, G = 32, W = 28, R = 20, A = 0, B = 2, C = 19, D = 9]$$

$$No06 = [n(U) = 40, n(A' \cap B') = 10, (n(B \cap A') = n(A \cap B')) = 10]$$

$$No07 = [N = 46, A = 26, B = 24, C = 30, D = 11, E = 13, F = 18]$$

$$No08 = [A = 21, B = 14, C = 29, D = 12, E = 11, F = 21, G = 6]$$

$$No09 = [N = 500, A = 305, B = 325, C = 245, AB = 175, BC = 175, AC = 145, P = 20]$$

$$NoI0 = [N = 530, S = 30, A = 320, B = 230, C = 120, D = 110, E = 180]$$

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$$\begin{aligned}
No01 &= [n(U) = 42, n(A) = 19, n(B) = 18, n(A \cap B) = 9] \\
No02 &= \left[\begin{array}{cccc} n(U) = 43 & n(A) = 18 & n(B) = 23 & n(C) = 23 \\ n(A \cap B) = 8 & n(A \cap C) = 8 & n(B \cap C) = 9 & n(\text{intersect}(A, B, C)) = 0 \end{array} \right] \\
No03 &= [N = 71, F = 31, V = 35, X = 16]
\end{aligned}$$

$$No04 = [N = 79, E = 38, M = 48, B = 43, X = 0, Y = 21, Z = 19]$$

$$No05 = [N = 39, G = 26, W = 18, R = 20, A = 6, B = 7, C = 11, D = 8]$$

$$No06 = [n(U) = 42, n(A' \cap B') = 11, (n(B \cap A') = n(A \cap B')) = 11]$$

$$No07 = [N = 32, A = 22, B = 22, C = 14, D = 9, E = 14, F = 7]$$

$$No08 = [A = 28, B = 13, C = 20, D = 13, E = 2, F = 15, G = 2]$$

$$No09 = [N = 500, A = 249, B = 199, C = 201, AB = 93, BC = 123, AC = 53, P = 4]$$

$$NoI0 = [N = 740, S = 40, A = 400, B = 170, C = 160, D = 110, E = 300]$$

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Set02 for No.14847

$$\begin{aligned}
No01 &= [n(U) = 41, n(A) = 22, n(B) = 27, n(A \cap B) = 15] \\
No02 &= \left[\begin{array}{cccc} n(U) = 50 & n(A) = 30 & n(B) = 22 & n(C) = 23 \\ n(A \cap B) = 14 & n(A \cap C) = 14 & n(B \cap C) = 7 & n(\text{intersect}(A, B, C)) = 5 \end{array} \right] \\
No03 &= [N = 72, F = 36, V = 27, X = 12]
\end{aligned}$$

$$No04 = [N = 83, E = 31, M = 56, B = 50, X = 0, Y = 18, Z = 12]$$

$$No05 = [N = 30, G = 16, W = 21, R = 22, A = 3, B = 3, C = 10, D = 10]$$

$$No06 = [n(U) = 48, n(A' \cap B') = 13, (n(B \cap A') = n(A \cap B')) = 10]$$

$$No07 = [N = 40, A = 20, B = 26, C = 24, D = 12, E = 9, F = 13]$$

$$No08 = [A = 27, B = 13, C = 34, D = 9, E = 18, F = 21, G = 7]$$

$$No09 = [N = 400, A = 254, B = 204, C = 226, AB = 98, BC = 138, AC = 108, P = 10]$$

$$NoI0 = [N = 690, S = 60, A = 290, B = 90, C = 100, D = 200, E = 300]$$

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X Math@MUT XXXM4/1-6800102-00043XX
Set02 for No.15014

$$No01 = [n(U) = 37, n(A) = 20, n(B) = 24, n(A \cap B) = 12]$$

$$No02 = \left[\begin{array}{cccc} n(U) = 34 & n(A) = 18 & n(B) = 16 & n(C) = 12 \\ n(A \cap B) = 10 & n(A \cap C) = 7 & n(B \cap C) = 7 & n(\text{intersect}(A, B, C)) = 2 \end{array} \right]$$

$$No03 = [N = 80, F = 45, V = 44, X = 26]$$

$$No04 = [N = 89, E = 48, M = 47, B = 31, X = 13, Y = 14, Z = 14]$$

$$No05 = [N = 40, G = 23, W = 29, R = 16, A = 1, B = 10, C = 13, D = 5]$$

$$No06 = [n(U) = 47, n(A' \cap B') = 13, (n(B \cap A') = n(A \cap B')) = 9]$$

$$No07 = [N = 37, A = 16, B = 25, C = 23, D = 11, E = 9, F = 15]$$

$$No08 = [A = 13, B = 6, C = 18, D = 8, E = 17, F = 25, G = 5]$$

$$No09 = [N = 800, A = 382, B = 402, C = 386, AB = 170, BC = 170, AC = 190, P = 8]$$

$$No10 = [N = 620, S = 80, A = 230, B = 170, C = 180, D = 120, E = 270]$$

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