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X Math@MUT XXXM4/2-6700101-00003XX  
Set01 for No.10305

$$No01 = \begin{bmatrix} U = \{1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12\} \\ A = \{2, 5, 7, 8, 10, 12\} \\ B = \{2, 3, 6, 8\} \end{bmatrix}$$

$$No02 = \begin{bmatrix} U = \{3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16\} \\ A = \{5, 8, 9, 14\} \\ B = \{3, 4, 9, 10, 11\} \end{bmatrix}$$

$$No03 = \begin{bmatrix} U = \{4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16\} \\ A = \{6, 9, 12\} \\ B = \{4, 5, 7, 10, 12, 14, 16\} \\ C = \{8, 9, 10, 11, 13, 16\} \end{bmatrix}$$

$$No04 = \begin{bmatrix} U = \{4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16\} \\ A = \{5, 7, 9, 15, 16\} \\ B = \{4, 11, 14\} \end{bmatrix}$$

$$No05 = \begin{bmatrix} .1 = A \cap B & .2 = A' - B & .3 = A' \cap B' \\ .4 = A \cap C & .5 = C \cap (A \cup B) & .6 = (A \cap C) \cup (B \cap C) \\ .7 = (A - B) \cap (A - C) & .8 = A' - C' & .9 = A \cap (C - B)' \end{bmatrix}$$

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X Math@MUT XXXM4/2-6700101-00004XX  
Set01 for No.10491

$$No01 = \begin{bmatrix} U = \{3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14\} \\ A = \{3, 4, 5, 6, 10, 12\} \\ B = \{5, 6, 7, 12\} \end{bmatrix}$$

$$No02 = \begin{bmatrix} U = \{0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14\} \\ A = \{1, 2, 4, 5, 12, 13\} \\ B = \{1, 2, 4, 6, 8\} \end{bmatrix}$$

$$No03 = \begin{bmatrix} U = \{0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15\} \\ A = \{2, 3, 5, 6, 10, 11\} \\ B = \{2, 4, 8, 11, 15\} \\ C = \{3, 4, 6, 12\} \end{bmatrix}$$

$$No04 = \begin{bmatrix} U = \{4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15\} \\ A = \{5, 6, 11, 12\} \\ B = \{6, 9, 12, 13, 14\} \end{bmatrix}$$

$$No05 = \begin{bmatrix} .1 = B' & .2 = B' - A' & .3 = (A \cap B)' \\ .4 = A' & .5 = C \cup (A \cap B) & .6 = (A \cup C) \cap (B \cup C) \\ .7 = (A - B) \cap (A - C) & .8 = A' \cap B' & .9 = C' \cap (B - A)' \end{bmatrix}$$

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X Math@MUT XXXM4/2-6700101-00009XX  
Set01 for No.11419

$$No01 = \begin{bmatrix} U = \{0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12\} \\ A = \{0, 2, 3\} \\ B = \{0, 2, 3, 5, 8\} \end{bmatrix}$$

$$No02 = \begin{bmatrix} U = \{1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15\} \\ A = \{1, 2, 4, 5, 10, 11, 13\} \\ B = \{3, 10, 13\} \end{bmatrix}$$

$$No03 = \begin{bmatrix} U = \{1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19\} \\ A = \{1, 5, 6, 7\} \\ B = \{1, 7, 8\} \\ C = \{5, 6, 11, 14, 15, 16\} \end{bmatrix}$$

$$No04 = \begin{bmatrix} U = \{1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14\} \\ A = \{1, 2, 3, 5, 13, 14\} \\ B = \{1, 2, 4\} \end{bmatrix}$$

$$No05 = \begin{bmatrix} .1 = A' & .2 = B - A' & .3 = (A - B) \cup (B - A) \\ .4 = A \cap B & .5 = A \cap (B \cup C) & .6 = (A \cap B) \cup (A \cap C) \\ .7 = (C - A) \cap (C - B) & .8 = B' - C' & .9 = (A - B)' - C' \end{bmatrix}$$

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X Math@MUT XXXM4/2-6700101-00010XX  
Set01 for No.11424

$$No01 = \begin{bmatrix} U = \{3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15\} \\ A = \{3, 4, 5, 13, 15\} \\ B = \{4, 8, 14, 15\} \end{bmatrix}$$

$$No02 = \begin{bmatrix} U = \{0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13\} \\ A = \{3, 4, 7, 10, 11, 12, 13\} \\ B = \{0, 3, 5, 7, 8\} \end{bmatrix}$$

$$No03 = \begin{bmatrix} U = \{0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16\} \\ A = \{6, 10, 16\} \\ B = \{1, 3, 6, 15\} \\ C = \{3, 5, 7, 9, 12, 13, 15\} \end{bmatrix}$$

$$No04 = \begin{bmatrix} U = \{4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16\} \\ A = \{4, 7, 11, 14\} \\ B = \{4, 5, 7, 8, 14\} \end{bmatrix}$$

$$No05 = \begin{bmatrix} .1 = B' & .2 = B' - A & .3 = A' \cup B' \\ .4 = C' & .5 = C \cup (A \cap B) & .6 = (A \cup C) \cap (B \cup C) \\ .7 = (B - A) \cap (B - C) & .8 = C' - A' & .9 = (B - C)' - A' \end{bmatrix}$$

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X Math@MUT XXXM4/2-6700101-00011XX  
Set01 for No.11470

$$\text{No01} = \begin{bmatrix} U = \{0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10\} \\ A = \{0, 3, 5, 8, 9, 10\} \\ B = \{3, 7, 10\} \end{bmatrix}$$

$$\text{No02} = \begin{bmatrix} U = \{1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15\} \\ A = \{1, 2, 6, 7\} \\ B = \{9, 12, 13\} \end{bmatrix}$$

$$\text{No03} = \begin{bmatrix} U = \{3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16\} \\ A = \{3, 7, 8, 9, 14, 15, 16\} \\ B = \{4, 8, 9, 11, 12\} \\ C = \{3, 4, 7, 15\} \end{bmatrix}$$

$$\text{No04} = \begin{bmatrix} U = \{3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16\} \\ A = \{6, 8, 14, 15\} \\ B = \{4, 6, 9, 15, 16\} \end{bmatrix}$$

$$\text{No05} = \begin{bmatrix} .1 = B' & .2 = B' - A & .3 = (A \cup B)' \\ .4 = A \cup C & .5 = C \cup (A \cap B) & .6 = (A \cup C) \cap (B \cup C) \\ .7 = (C - A) \cup (C - B) & .8 = A' \cap C' & .9 = B \cap (A - C)' \end{bmatrix}$$

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X Math@MUT XXXM4/2-6700101-00012XX  
Set01 for No.11472

$$\text{No01} = \begin{bmatrix} U = \{1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11\} \\ A = \{2, 3, 4, 5, 8, 10\} \\ B = \{1, 9, 10, 11\} \end{bmatrix}$$

$$\text{No02} = \begin{bmatrix} U = \{1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15\} \\ A = \{1, 2, 6, 7, 11, 13\} \\ B = \{2, 6, 8, 13\} \end{bmatrix}$$

$$\text{No03} = \begin{bmatrix} U = \{2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15\} \\ A = \{5, 9, 11, 13, 14\} \\ B = \{3, 4, 5, 12, 13, 14, 15\} \\ C = \{3, 5, 7, 8, 9, 13\} \end{bmatrix}$$

$$\text{No04} = \begin{bmatrix} U = \{2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15\} \\ A = \{8, 11, 12, 14\} \\ B = \{9, 12, 13\} \end{bmatrix}$$

$$\text{No05} = \begin{bmatrix} .1 = A \cup B & .2 = B - A' & .3 = (A \cap B)' \\ .4 = C' & .5 = B \cap (A \cup C) & .6 = (A \cap B) \cup (B \cap C) \\ .7 = (A - B) \cap (A - C) & .8 = A' - C' & .9 = B \cap (C - A)' \end{bmatrix}$$

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X Math@MUT XXXM4/2-6700101-00013XX  
Set01 for No.11523

$$No01 = \begin{bmatrix} U = \{0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12\} \\ A = \{0, 4, 6, 11, 12\} \\ B = \{4, 6, 8\} \end{bmatrix}$$

$$No02 = \begin{bmatrix} U = \{2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16\} \\ A = \{3, 4, 13\} \\ B = \{2, 3, 5, 10, 12, 13, 16\} \end{bmatrix}$$

$$No03 = \begin{bmatrix} U = \{2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18\} \\ A = \{2, 3, 4, 11, 12, 15, 16\} \\ B = \{4, 5, 6, 11, 15\} \\ C = \{9, 17, 18\} \end{bmatrix}$$

$$No04 = \begin{bmatrix} U = \{4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17\} \\ A = \{4, 10, 17\} \\ B = \{7, 9, 10, 11, 12, 14, 16\} \end{bmatrix}$$

$$No05 = \begin{bmatrix} .1 = A \cap B & .2 = A - B' & .3 = (A \cap B)' \\ .4 = A \cup B & .5 = C \cup (A \cap B) & .6 = (A \cup C) \cap (B \cup C) \\ .7 = (A - B) \cup (A - C) & .8 = C' - A' & .9 = A \cap (C - B)' \end{bmatrix}$$

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X Math@MUT XXXM4/2-6700101-00014XX  
Set01 for No.11549

$$No01 = \begin{bmatrix} U = \{1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11\} \\ A = \{1, 5, 6, 9, 11\} \\ B = \{2, 3, 4, 5, 8, 10\} \end{bmatrix}$$

$$No02 = \begin{bmatrix} U = \{0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14\} \\ A = \{0, 1, 6, 8, 9, 14\} \\ B = \{1, 2, 4, 5, 8, 9, 13\} \end{bmatrix}$$

$$No03 = \begin{bmatrix} U = \{2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15\} \\ A = \{3, 4, 7\} \\ B = \{3, 6, 9, 14, 15\} \\ C = \{3, 4, 5, 7, 8, 14\} \end{bmatrix}$$

$$No04 = \begin{bmatrix} U = \{2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15\} \\ A = \{2, 4, 12, 13\} \\ B = \{3, 4, 5, 9, 11, 13\} \end{bmatrix}$$

$$No05 = \begin{bmatrix} .1 = A' & .2 = A - B' & .3 = (A \cup B)' \\ .4 = B \cap C & .5 = A \cap (B \cup C) & .6 = (A \cap B) \cup (A \cap C) \\ .7 = (A - B) \cup (A - C) & .8 = A' \cap C' & .9 = (C - B)' - A \end{bmatrix}$$

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X Math@MUT XXXM4/2-6700101-00017XX  
Set01 for No.12183

$$No01 = \begin{bmatrix} U = \{4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16\} \\ A = \{5, 9, 12, 14, 15\} \\ B = \{5, 7, 10\} \end{bmatrix}$$

$$No02 = \begin{bmatrix} U = \{3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14\} \\ A = \{3, 5, 7, 11, 12, 13, 14\} \\ B = \{6, 7, 8, 9, 11\} \end{bmatrix}$$

$$No03 = \begin{bmatrix} U = \{3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15\} \\ A = \{3, 5, 6, 9, 10, 11\} \\ B = \{3, 4, 7, 13, 14\} \\ C = \{4, 6, 10, 11\} \end{bmatrix}$$

$$No04 = \begin{bmatrix} U = \{3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15\} \\ A = \{3, 10, 15\} \\ B = \{3, 4, 9, 15\} \end{bmatrix}$$

$$No05 = \begin{bmatrix} .1 = B' & .2 = B' - A' & .3 = (A - B) \cap (B - A) \\ .4 = A \cap C & .5 = A \cup (B \cap C) & .6 = (A \cup B) \cap (A \cup C) \\ .7 = (A - B) \cup (A - C) & .8 = A' \cap B' & .9 = (A - B)' - C' \end{bmatrix}$$

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X Math@MUT XXXM4/2-6700101-00018XX  
Set01 for No.12246

$$No01 = \begin{bmatrix} U = \{2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12\} \\ A = \{2, 6, 11, 12\} \\ B = \{2, 3, 5, 9, 11\} \end{bmatrix}$$

$$No02 = \begin{bmatrix} U = \{3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17\} \\ A = \{5, 8, 9, 12, 14, 15, 17\} \\ B = \{3, 5, 10, 12, 15, 16\} \end{bmatrix}$$

$$No03 = \begin{bmatrix} U = \{2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15\} \\ A = \{5, 6, 11, 14, 15\} \\ B = \{6, 7, 8\} \\ C = \{3, 12, 13, 15\} \end{bmatrix}$$

$$No04 = \begin{bmatrix} U = \{4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15\} \\ A = \{4, 7, 10, 11, 13, 14, 15\} \\ B = \{5, 6, 11, 12, 14\} \end{bmatrix}$$

$$No05 = \begin{bmatrix} .1 = B' & .2 = A - B & .3 = (A \cap B)' \\ .4 = B \cap C & .5 = A \cup (B \cap C) & .6 = (A \cup B) \cap (A \cup C) \\ .7 = (A - B) \cap (A - C) & .8 = B' \cap C' & .9 = A \cap (C - B)' \end{bmatrix}$$

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X Math@MUT XXXM4/2-6700101-00019XX  
Set01 for No.12332

$$No01 = \begin{bmatrix} U = \{0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11\} \\ A = \{0, 2, 4, 5, 8\} \\ B = \{4, 7, 10, 11\} \end{bmatrix}$$

$$No02 = \begin{bmatrix} U = \{1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15\} \\ A = \{3, 8, 11\} \\ B = \{1, 4, 5, 8, 15\} \end{bmatrix}$$

$$No03 = \begin{bmatrix} U = \{1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14\} \\ A = \{2, 5, 6, 8, 9, 10, 13\} \\ B = \{1, 5, 6, 10, 12, 13\} \\ C = \{4, 6, 10, 12, 13\} \end{bmatrix}$$

$$No04 = \begin{bmatrix} U = \{3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13\} \\ A = \{4, 5, 8, 10, 11, 12\} \\ B = \{3, 4, 7, 9, 11, 12, 13\} \end{bmatrix}$$

$$No05 = \begin{bmatrix} .1 = A \cup B & .2 = B' - A & .3 = (A - B) \cap (B - A) \\ .4 = B' & .5 = A \cap (B \cup C) & .6 = (A \cap B) \cup (A \cap C) \\ .7 = (B - A) \cup (B - C) & .8 = B' - A' & .9 = (C - B)' - A \end{bmatrix}$$

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X Math@MUT XXXM4/2-6700101-00020XX  
Set01 for No.12682

$$No01 = \begin{bmatrix} U = \{4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16\} \\ A = \{8, 9, 10, 15\} \\ B = \{5, 11, 14, 15, 16\} \end{bmatrix}$$

$$No02 = \begin{bmatrix} U = \{4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17\} \\ A = \{4, 5, 10, 13, 15, 16\} \\ B = \{6, 12, 16, 17\} \end{bmatrix}$$

$$No03 = \begin{bmatrix} U = \{0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14\} \\ A = \{3, 5, 11\} \\ B = \{2, 4, 7, 11, 12, 13\} \\ C = \{3, 11, 12, 13, 14\} \end{bmatrix}$$

$$No04 = \begin{bmatrix} U = \{0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14\} \\ A = \{0, 1, 8, 10, 11, 14\} \\ B = \{1, 2, 5, 8, 9, 10, 14\} \end{bmatrix}$$

$$No05 = \begin{bmatrix} .1 = B' & .2 = A - B' & .3 = A' \cap B' \\ .4 = B' & .5 = C \cap (A \cup B) & .6 = (A \cap C) \cup (B \cap C) \\ .7 = (C - A) \cup (C - B) & .8 = B' - A' & .9 = (B - C)' - A' \end{bmatrix}$$

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X Math@MUT XXXM4/2-6700101-00021XX

Set01 for No.12783

$$No01 = \left[ \begin{array}{l} U = \{1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12\} \\ A = \{1, 2, 5, 11, 12\} \\ B = \{7, 8, 9\} \end{array} \right]$$

$$No02 = \left[ \begin{array}{l} U = \{3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13\} \\ A = \{5, 6, 8, 9, 13\} \\ B = \{4, 7, 9, 13\} \end{array} \right]$$

$$No03 = \left[ \begin{array}{l} U = \{0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15\} \\ A = \{2, 11, 12\} \\ B = \{0, 1, 2, 3, 4, 5, 9\} \\ C = \{5, 6, 7, 8, 15\} \end{array} \right]$$

$$No04 = \left[ \begin{array}{l} U = \{1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15\} \\ A = \{4, 9, 13, 15\} \\ B = \{4, 11, 12\} \end{array} \right]$$

$$No05 = \left[ \begin{array}{lll} .1 = A \cup B & .2 = B - A & .3 = (A - B) \cup (B - A) \\ .4 = A \cap C & .5 = B \cup (A \cap C) & .6 = (A \cup B) \cap (B \cup C) \\ .7 = (A - B) \cap (A - C) & .8 = C' - B' & .9 = B' \cap (A - C)' \end{array} \right]$$

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X Math@MUT XXXM4/2-6700101-00022XX

Set01 for No.13022

$$No01 = \left[ \begin{array}{l} U = \{4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15\} \\ A = \{6, 7, 8, 10, 12\} \\ B = \{4, 5, 11\} \end{array} \right]$$

$$No02 = \left[ \begin{array}{l} U = \{3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17\} \\ A = \{3, 5, 13\} \\ B = \{3, 4, 9, 10, 11, 13, 14\} \end{array} \right]$$

$$No03 = \left[ \begin{array}{l} U = \{2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15\} \\ A = \{6, 10, 12, 14\} \\ B = \{4, 5, 7, 10, 13\} \\ C = \{3, 7, 9, 10, 11, 12\} \end{array} \right]$$

$$No04 = \left[ \begin{array}{l} U = \{2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14\} \\ A = \{4, 5, 6, 7, 11, 12, 14\} \\ B = \{5, 6, 8, 10\} \end{array} \right]$$

$$No05 = \left[ \begin{array}{lll} .1 = A \cup B & .2 = B' - A' & .3 = (A \cap B)' \\ .4 = B' & .5 = A \cap (B \cup C) & .6 = (A \cap B) \cup (A \cap C) \\ .7 = (C - A) \cup (C - B) & .8 = A' \cap C' & .9 = A' \cap (B - C)' \end{array} \right]$$

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X Math@MUT XXXM4/2-6700101-00023XX  
Set01 for No.13650

$$No01 = \left[ \begin{array}{l} U = \{3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15\} \\ A = \{4, 6, 8, 9, 10, 13\} \\ B = \{3, 5, 10\} \end{array} \right]$$

$$No02 = \left[ \begin{array}{l} U = \{2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16\} \\ A = \{2, 6, 13, 15\} \\ B = \{4, 6, 10, 11, 15\} \end{array} \right]$$

$$No03 = \left[ \begin{array}{l} U = \{0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16\} \\ A = \{0, 5, 13, 16\} \\ B = \{0, 2, 3, 8, 13, 14, 15\} \\ C = \{0, 3, 11, 13, 14\} \end{array} \right]$$

$$No04 = \left[ \begin{array}{l} U = \{1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11\} \\ A = \{1, 3, 10\} \\ B = \{1, 2, 5, 7, 8, 9\} \end{array} \right]$$

$$No05 = \left[ \begin{array}{lll} .1 = B' & .2 = A' - B & .3 = (A \cup B)' \\ .4 = C' & .5 = B \cap (A \cup C) & .6 = (A \cap B) \cup (B \cap C) \\ .7 = (C - A) \cup (C - B) & .8 = C' - B' & .9 = (C - B)' - A \end{array} \right]$$

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X Math@MUT XXXM4/2-6700101-00024XX  
Set01 for No.13655

$$No01 = \left[ \begin{array}{l} U = \{0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12\} \\ A = \{8, 9, 10\} \\ B = \{0, 3, 5, 10, 11, 12\} \end{array} \right]$$

$$No02 = \left[ \begin{array}{l} U = \{4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18\} \\ A = \{5, 7, 10, 15, 18\} \\ B = \{5, 7, 8, 9, 11, 13, 18\} \end{array} \right]$$

$$No03 = \left[ \begin{array}{l} U = \{4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18\} \\ A = \{7, 8, 10, 11\} \\ B = \{9, 10, 15\} \\ C = \{4, 7, 8, 10, 15, 18\} \end{array} \right]$$

$$No04 = \left[ \begin{array}{l} U = \{4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17\} \\ A = \{7, 13, 14, 17\} \\ B = \{5, 7, 8, 11, 14, 16\} \end{array} \right]$$

$$No05 = \left[ \begin{array}{lll} .1 = B' & .2 = A - B & .3 = (A \cup B)' \\ .4 = A' & .5 = B \cup (A \cap C) & .6 = (A \cup B) \cap (B \cup C) \\ .7 = (C - A) \cap (C - B) & .8 = A' - C' & .9 = (B - A)' - C \end{array} \right]$$

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X Math@MUT XXXM4/2-6700101-00025XX  
Set01 for No.13667

$$No01 = \begin{bmatrix} U = \{1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11\} \\ A = \{4, 6, 7, 8, 11\} \\ B = \{1, 2, 5, 8, 10, 11\} \end{bmatrix}$$

$$No02 = \begin{bmatrix} U = \{1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14\} \\ A = \{1, 9, 12\} \\ B = \{4, 5, 6, 10, 11, 12, 14\} \end{bmatrix}$$

$$No03 = \begin{bmatrix} U = \{2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18\} \\ A = \{4, 5, 8, 13\} \\ B = \{4, 5, 10, 11, 13, 16, 17\} \\ C = \{2, 9, 10, 12, 15, 17\} \end{bmatrix}$$

$$No04 = \begin{bmatrix} U = \{3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13\} \\ A = \{4, 6, 7, 11, 12\} \\ B = \{10, 11, 13\} \end{bmatrix}$$

$$No05 = \begin{bmatrix} .1 = B' & .2 = A' - B' & .3 = (A \cap B)' \\ .4 = B \cup C & .5 = A \cup (B \cap C) & .6 = (A \cup B) \cap (A \cup C) \\ .7 = (A - B) \cap (A - C) & .8 = A' \cup C' & .9 = C \cap (A - B)' \end{bmatrix}$$

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X Math@MUT XXXM4/2-6700101-00026XX  
Set01 for No.13734

$$No01 = \begin{bmatrix} U = \{2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13\} \\ A = \{2, 3, 13\} \\ B = \{2, 5, 6, 11\} \end{bmatrix}$$

$$No02 = \begin{bmatrix} U = \{2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15\} \\ A = \{2, 5, 9\} \\ B = \{4, 5, 6, 8, 9, 12, 15\} \end{bmatrix}$$

$$No03 = \begin{bmatrix} U = \{0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15\} \\ A = \{1, 4, 5, 9, 10, 11, 14\} \\ B = \{1, 2, 4, 6, 12\} \\ C = \{1, 14, 15\} \end{bmatrix}$$

$$No04 = \begin{bmatrix} U = \{4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15\} \\ A = \{13, 14, 15\} \\ B = \{5, 6, 11, 15\} \end{bmatrix}$$

$$No05 = \begin{bmatrix} .1 = A' & .2 = B - A & .3 = (A \cap B)' \\ .4 = A \cap C & .5 = A \cap (B \cup C) & .6 = (A \cap B) \cup (A \cap C) \\ .7 = (A - B) \cup (A - C) & .8 = A' \cap B' & .9 = (C - A)' - B \end{bmatrix}$$

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X Math@MUT XXXM4/2-6700101-00029XX  
Set01 for No.14561

$$No01 = \left[ \begin{array}{c} U = \{3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13\} \\ A = \{9, 12, 13\} \\ B = \{4, 6, 8, 10\} \end{array} \right]$$

$$No02 = \left[ \begin{array}{c} U = \{4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15\} \\ A = \{5, 7, 12, 14\} \\ B = \{5, 11, 15\} \end{array} \right]$$

$$No03 = \left[ \begin{array}{c} U = \{1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16\} \\ A = \{2, 4, 6, 7, 9, 15, 16\} \\ B = \{6, 9, 13, 15, 16\} \\ C = \{1, 11, 15\} \end{array} \right]$$

$$No04 = \left[ \begin{array}{c} U = \{3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16\} \\ A = \{4, 5, 6, 12\} \\ B = \{3, 4, 10, 11, 12, 14, 15\} \end{array} \right]$$

$$No05 = \left[ \begin{array}{ccc} .1 = A \cap B & .2 = A' - B & .3 = (A - B) \cap (B - A) \\ .4 = A \cup C & .5 = A \cap (B \cup C) & .6 = (A \cap B) \cup (A \cap C) \\ .7 = (C - A) \cup (C - B) & .8 = A' \cup C' & .9 = A' \cap (B - C)' \end{array} \right]$$

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X Math@MUT XXXM4/2-6700101-00030XX  
Set01 for No.14657

$$No01 = \left[ \begin{array}{c} U = \{3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15\} \\ A = \{4, 6, 11, 12\} \\ B = \{7, 9, 14\} \end{array} \right]$$

$$No02 = \left[ \begin{array}{c} U = \{0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10\} \\ A = \{4, 6, 7, 8\} \\ B = \{3, 5, 6, 8, 10\} \end{array} \right]$$

$$No03 = \left[ \begin{array}{c} U = \{0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18\} \\ A = \{3, 5, 7, 8, 9, 17\} \\ B = \{13, 16, 17\} \\ C = \{8, 9, 11, 12\} \end{array} \right]$$

$$No04 = \left[ \begin{array}{c} U = \{0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13\} \\ A = \{0, 2, 3, 6, 9, 10\} \\ B = \{1, 4, 5, 8, 9, 10, 12\} \end{array} \right]$$

$$No05 = \left[ \begin{array}{ccc} .1 = A \cup B & .2 = B - A' & .3 = A' \cup B' \\ .4 = B \cap C & .5 = B \cup (A \cap C) & .6 = (A \cup B) \cap (B \cup C) \\ .7 = (B - A) \cap (B - C) & .8 = B' - A' & .9 = (B - C)' - A \end{array} \right]$$

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X Math@MUT XXXM4/2-6700101-00031XX  
Set01 for No.14661

$$\text{No01} = \left[ \begin{array}{l} U = \{1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13\} \\ A = \{1, 4, 7, 8, 13\} \\ B = \{1, 2, 5, 12\} \end{array} \right]$$

$$\text{No02} = \left[ \begin{array}{l} U = \{1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12\} \\ A = \{2, 3, 7, 9, 10, 12\} \\ B = \{2, 3, 5, 7, 10, 11, 12\} \end{array} \right]$$

$$\text{No03} = \left[ \begin{array}{l} U = \{0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15\} \\ A = \{4, 5, 8, 9, 10, 14, 15\} \\ B = \{1, 2, 3, 6, 7, 13\} \\ C = \{5, 13, 14\} \end{array} \right]$$

$$\text{No04} = \left[ \begin{array}{l} U = \{0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12\} \\ A = \{5, 9, 10\} \\ B = \{0, 1, 5, 8, 12\} \end{array} \right]$$

$$\text{No05} = \left[ \begin{array}{lll} .1 = A \cap B & .2 = B' - A' & .3 = A' \cap B' \\ .4 = A \cap B & .5 = C \cup (A \cap B) & .6 = (A \cup C) \cap (B \cup C) \\ .7 = (C - A) \cup (C - B) & .8 = A' \cap C' & .9 = C \cap (A - B)' \end{array} \right]$$

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X Math@MUT XXXM4/2-6700101-00032XX  
Set01 for No.14674

$$\text{No01} = \left[ \begin{array}{l} U = \{2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13\} \\ A = \{3, 4, 6\} \\ B = \{3, 4, 7, 12\} \end{array} \right]$$

$$\text{No02} = \left[ \begin{array}{l} U = \{4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17\} \\ A = \{10, 11, 13, 16, 17\} \\ B = \{7, 9, 11, 15\} \end{array} \right]$$

$$\text{No03} = \left[ \begin{array}{l} U = \{0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18\} \\ A = \{1, 5, 6, 8, 10, 11, 18\} \\ B = \{6, 11, 16\} \\ C = \{1, 5, 7, 9, 11, 13\} \end{array} \right]$$

$$\text{No04} = \left[ \begin{array}{l} U = \{0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10\} \\ A = \{0, 1, 2, 4, 5, 7, 8\} \\ B = \{7, 9, 10\} \end{array} \right]$$

$$\text{No05} = \left[ \begin{array}{lll} .1 = A' & .2 = B - A & .3 = (A \cap B)' \\ .4 = B \cap C & .5 = A \cup (B \cap C) & .6 = (A \cup B) \cap (A \cup C) \\ .7 = (B - A) \cap (B - C) & .8 = A' - C' & .9 = C' \cap (B - A)' \end{array} \right]$$

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