Пусть $X = (C \cup B) \triangle A$ – некоторое множество. Выберите равные ему множества.

$$Y = (B \triangle (A \triangle C)) \triangle (B \cap C)$$

$$Y = A \setminus \overline{(B \cup (C \setminus (B \cap A)))}$$

$$Y = (C \triangle (A \triangle (C \triangle B))) \cup A$$

$$Y = (\overline{(B \cap C)} \setminus A) \cap (B \setminus C)$$

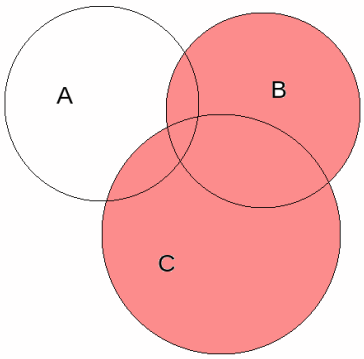
$$Y = ((C \triangle B) \cup C) \triangle (A \setminus B)$$

Решение

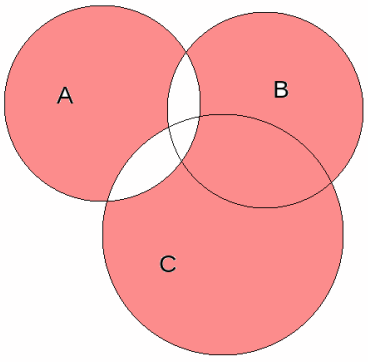
На кругах Эйлера

$$X = (C \cup B) \triangle A$$

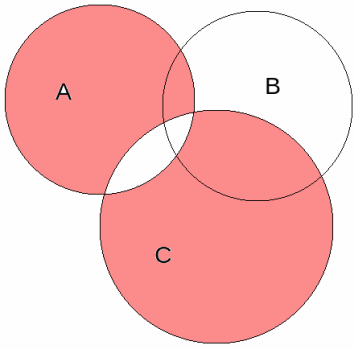
1. $(C \cup B)$



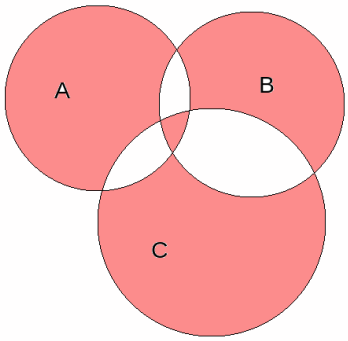
2. $(C \cup B) \triangle A$



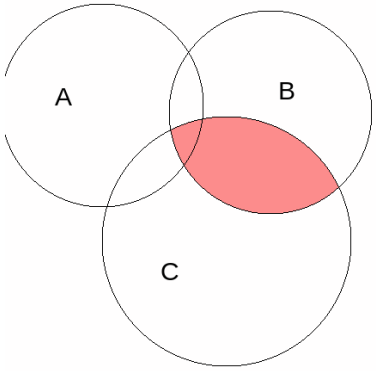
$$Y = (B \triangle (A \triangle C)) \triangle (B \cap C)$$



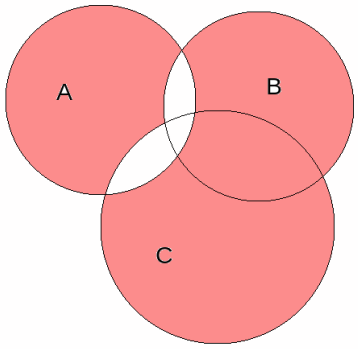
1. $(A \triangle C)$



2. $(B \triangle (A \triangle C))$



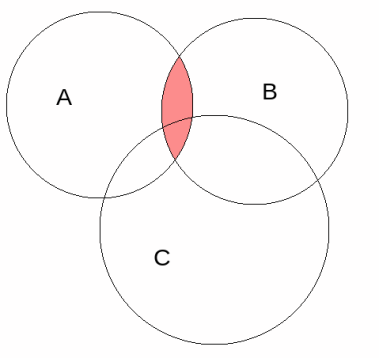
3. $(B \cap C)$



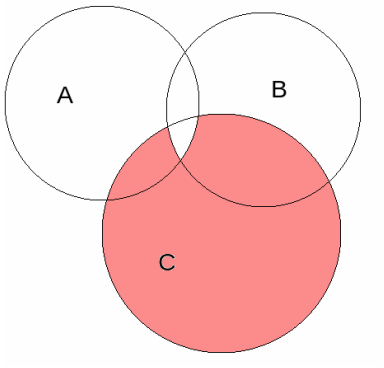
4. $(B \triangle (A \triangle C)) \triangle (B \cap C)$

$$Y = A \setminus \overline{(B \cup (C \setminus (B \cap A)))}$$

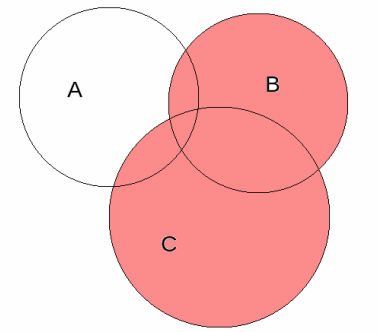
1. $(B \cap A)$



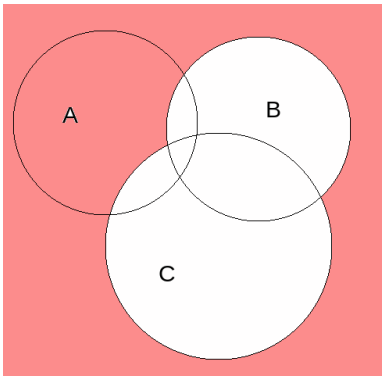
2. $(C \setminus (B \cap A))$



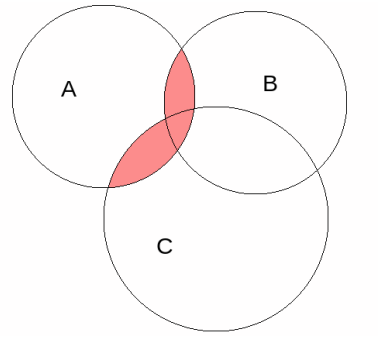
3. $(B \cup (C \setminus (B \cap A)))$



4. $\overline{(B \cup (C \setminus (B \cap A)))}$

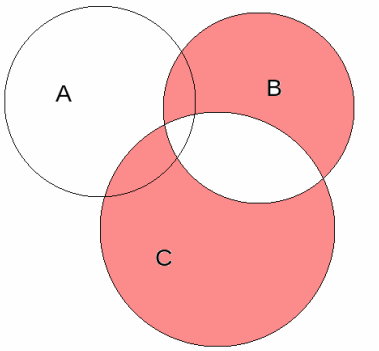


5. $A \setminus \overline{(B \cup (C \setminus (B \cap A)))}$

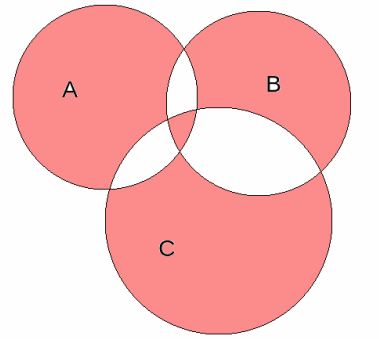


$$Y = (C \triangle (A \triangle (C \triangle B))) \cup A$$

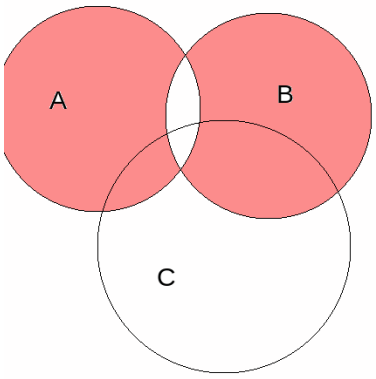
1. $(C \triangle B)$

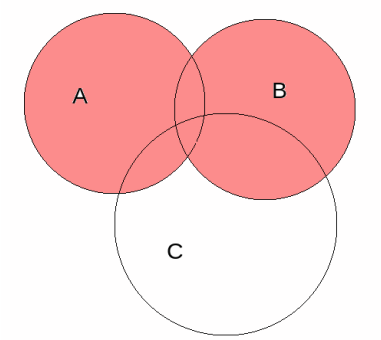


2. $(A \triangle (C \triangle B))$



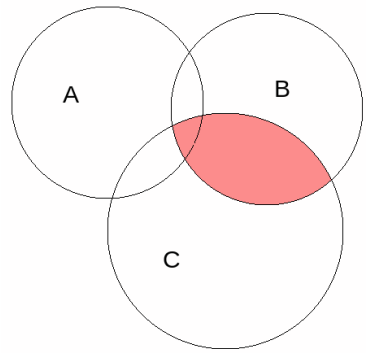
3. $(C \triangle (A \triangle (C \triangle B)))$



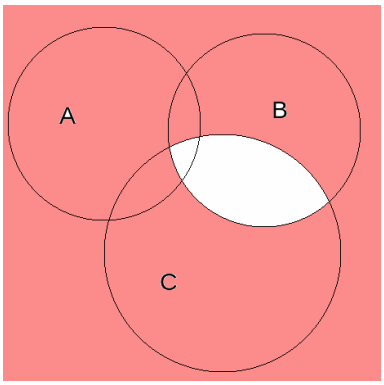


4. $(C \triangle (A \triangle (C \triangle B))) \cup A$

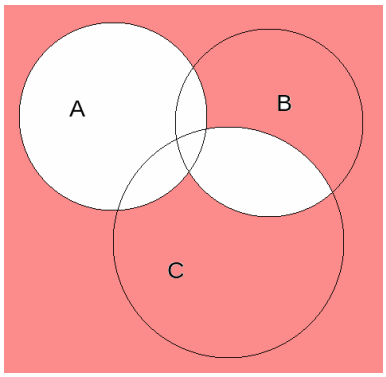
$$Y = (\overline{(B \cap C)} \setminus A) \cap (B \setminus C)$$



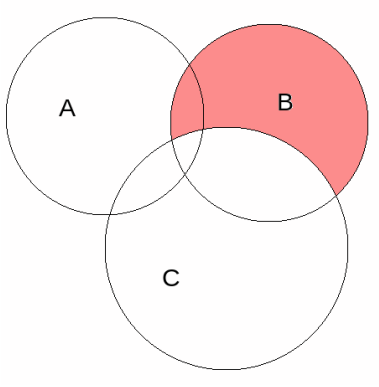
1. $(B \cap C)$



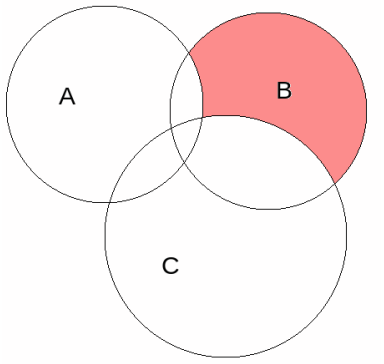
2. $\overline{(B \cap C)}$



3. $(\overline{(B \cap C)} \setminus A)$

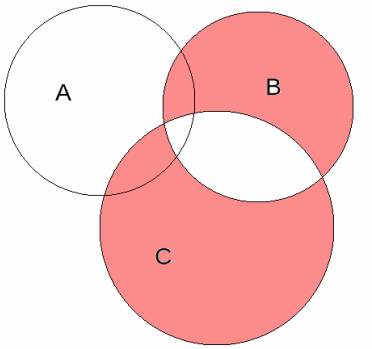


4. $(B \setminus C)$

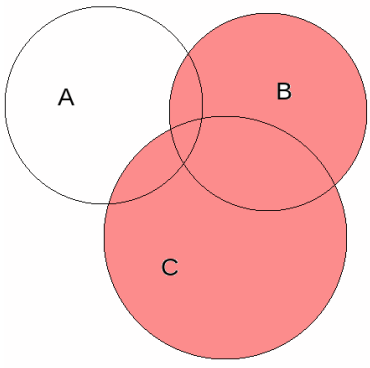


5. $(\overline{(B \cap C)} \setminus A) \cap (B \setminus C)$

$$Y = ((C \triangle B) \cup C) \triangle (A \setminus B)$$

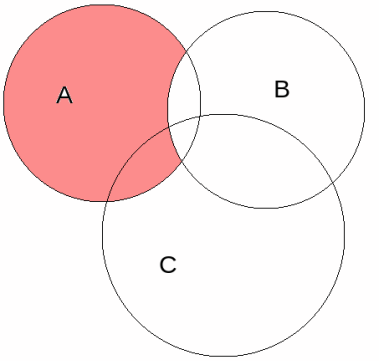


1. $(C \triangle B)$



2. $((C \triangle B) \cup C)$

3. $(A \setminus B)$



4. $((C \triangle B) \cup C) \triangle (A \setminus B)$