



$$B - A = \{7, 11, 17, 19, 23, 29, 31, 37\}$$

k) $(A \cdot B) \cap (C - A) = \emptyset$

$$A - B = \{0, 1, 8, 21, 34, 55\}$$

$$C-A = \emptyset$$

d) $(A \cap B) \cap (B \cup C) = \{2, 3, 5, 13\}$

$$A \cap B = \{2, 7, 5, 13\}$$

$$BVC = \{2, 3, 5, 7, 11, 13, 17, 19, 23, 29, 31, 33\}$$

m) $(A - B) \cap (B \cup C) = \emptyset$

$$A-B = \{0, 1, 8, 21, 34, 55\}$$

$$BVC = \{2, 3, 5, 7, 11, 13, 17, 19, 23, 29, 31, 33\}$$

$$B-C = \{7, 11, 17, 19, 23, 29, 31, 33\}$$

$$A-C = \{0, 1, 8, 21, 34, 55\}$$

$$B-A = \{7, 11, 17, 19, 23, 29, 31, 37\}$$

$$d) (A \Delta B) \cap (A \Delta C) \cap (B \Delta C) = \emptyset$$

$$A \cap B = \{0, 1, 2, 8, 11, 17, 19, 21, 23, 29, 31, 33, 34, 55\}$$

$$A \Delta C = \{ \emptyset \}$$