

3.5

$$F = B \oplus C$$

3.6

$$A_1 = B_1$$

$$A_2 = B_2$$

$$A_4 = B_2 \oplus B_4$$

$$A_8 = \overline{B_2} \overline{B_4} \overline{B_8}$$

3.9

$$(1) \quad F = \overline{A} \overline{B} \overline{C} \overline{D}$$

$$(2) \quad F = \sum m^4(3, 5, 6, 9, 10, 12)$$

$$(3) \quad F = \sum m^4(1, 2, 4, 7, 8, 11, 13, 14)$$

3.10

$$A_8 = BC = \overline{\overline{BC}}$$

$$A_4 = A\overline{B} + B\overline{C} = \overline{\overline{A\overline{B} + B\overline{C}}}$$

$$A_2 = \overline{A}C + A\overline{C} = \overline{\overline{\overline{A}C + A\overline{C}}}$$

$$A_1 = D$$