

Q1. Reduce using K-map and draw the logic gate diagram for the reduced expression:

$$F(A,B,C,D) = \Sigma (0, 1, 2, 4, 5, 6, 8, 9, 12, 13, 14)$$

Q2. Reduce using K-map and draw the logic gate diagram for the reduced expression:

$$F(X, Y, Z) = \Sigma (0, 1, 2, 4, 5, 6)$$