

$$Y = (\overline{A+B})C + \overline{ACD}$$

$$Y = \overline{(A \oplus C)}AC + \overline{D}$$

$$Y = \overline{(CD + BD)} \oplus A$$

$$Y = \overline{(\overline{B} + D)C} \oplus AB$$

$$Y = \overline{AB} \oplus AC$$

$$Y = (\overline{A} \oplus \overline{C})D \oplus ABC$$

$$Y = \overline{(\overline{D}B + A\overline{C})} \oplus CD$$

$$Y = (C + \overline{ADC}) \oplus B$$