

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

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

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

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

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