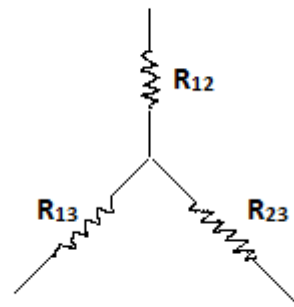
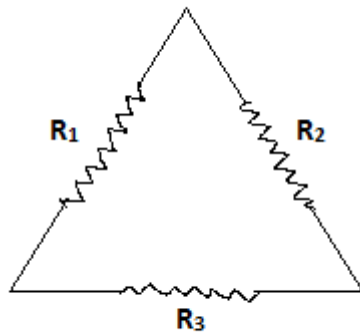


Delta-Star transformation:

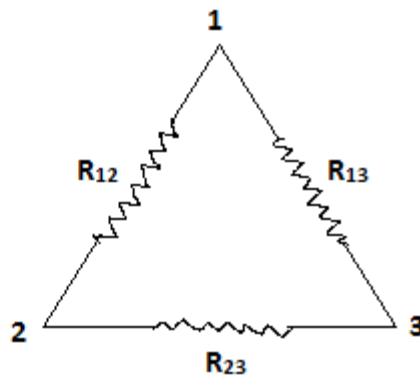
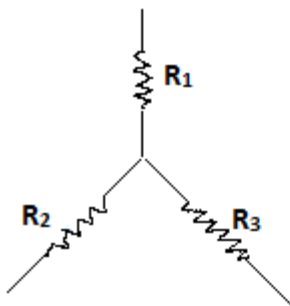
$$R_{12} = \frac{R_1 R_2}{R_1 + R_2 + R_3}$$

$$R_{13} = \frac{R_1 R_3}{R_1 + R_2 + R_3}$$

$$R_{23} = \frac{R_2 R_3}{R_1 + R_2 + R_3}$$



Star-Delta



$$R_{12} = \frac{R_1 R_2 + R_2 R_3 + R_3 R_1}{R_3}$$

$$R_{23} = \frac{R_1 R_2 + R_2 R_3 + R_3 R_1}{R_1}$$

$$R_{13} = \frac{R_1 R_2 + R_2 R_3 + R_3 R_1}{R_2}$$