

Q26

$$0 = \frac{V_1}{Z_1} - \frac{V_2}{Z_1} - \frac{V_{20}}{Z_4} - \frac{V_{30}}{Z_5} + \frac{V_2}{Z_3} - \frac{V_{20}}{Z_3}$$

$$\frac{V_1}{Z_1} = \frac{120}{2} = 60$$

$$\frac{V_2}{Z_3} = \frac{I120}{4} = I30$$

S.

$$60 + I30 = \frac{V_{20}}{Z_1} + \frac{V_{20}}{Z_4} + \frac{V_{30}}{Z_5} + \frac{V_{20}}{Z_3}$$