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$$Z = R + jX$$

$$\therefore Y = \frac{1}{Z} = \frac{1}{R + jX} = \frac{R - jX}{R^2 - X^2} = \frac{R}{R^2 - X^2} + j \frac{X}{X^2 - R^2}$$

$$\because Y = G + jB$$

$$\therefore G = \frac{R}{R^2 - X^2} + \cancel{j} \quad B = \frac{X}{X^2 - R^2}$$

