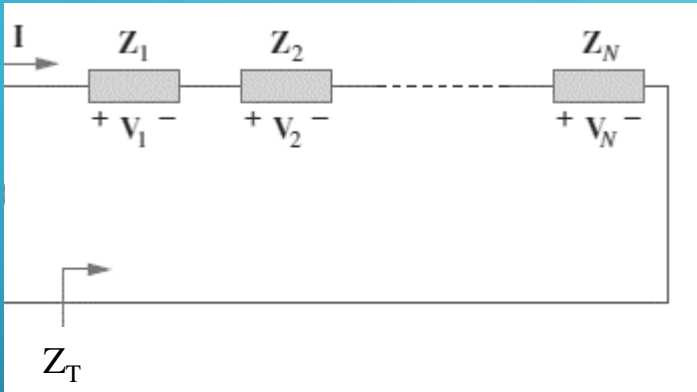


AC DEVRELER

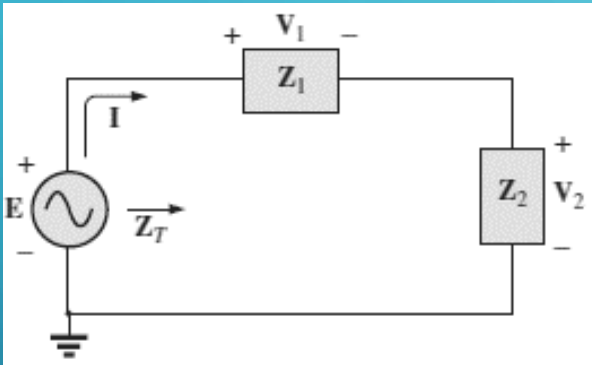
Seri bağlantı:



$$Z_T = Z_1 + Z_2 + Z_3 + \dots + Z_N$$

AC DEVRELER

Seri bağlantı:



$$I = \frac{E}{Z_T}$$

$$V_1 = IZ_1$$

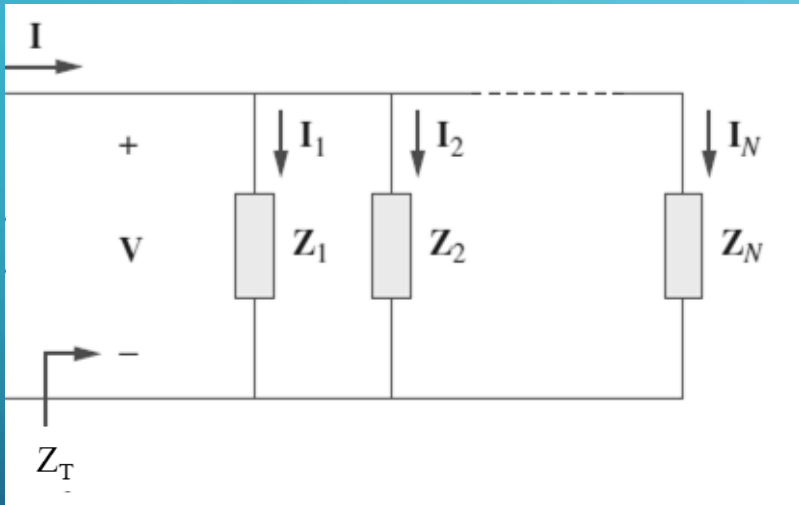
$$V_2 = IZ_2$$

$$E = V_1 + V_2$$

$$V_x = \frac{Z_x E}{Z_T}$$

AC DEVRELER

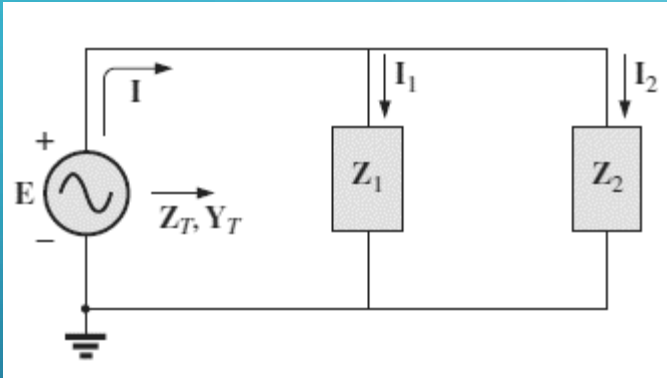
Paralel bağlantı:



$$\frac{1}{Z_T} = \frac{1}{Z_1} + \frac{1}{Z_2} + \frac{1}{Z_3} + \dots + \frac{1}{Z_N}$$

AC DEVRELER

Paralel bağlantı:



$$I = \frac{E}{Z_T}$$

$$I_1 = \frac{E}{Z_1}$$

$$I_2 = \frac{E}{Z_2}$$

$$I = I_1 + I_2$$

KAYNAKLAR

Charles K. Alexander, Matthew N. O. Sadiku. Elektrik Devrelerinin Temelleri
Robert R. Boylestad, Introductory Circuit Analysis