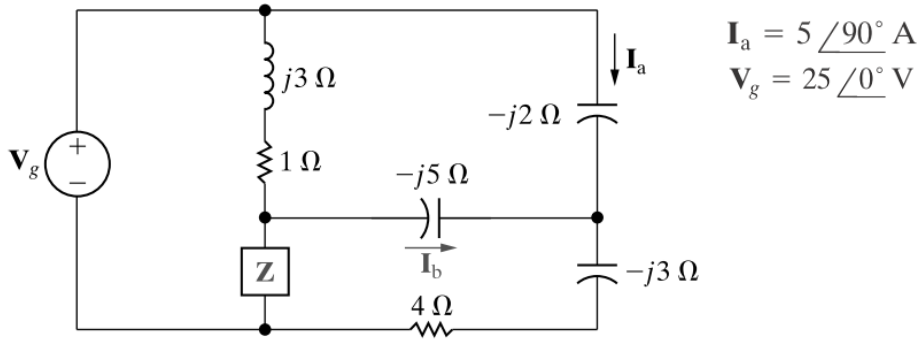


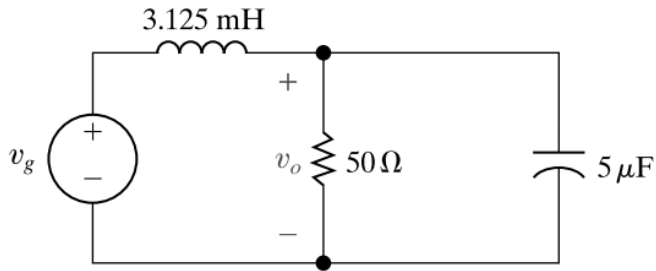
## EEM202 Ödev 2

**Soru 1:** Verilen akım ve gerilim değerleri için Z empedansını bulunuz.



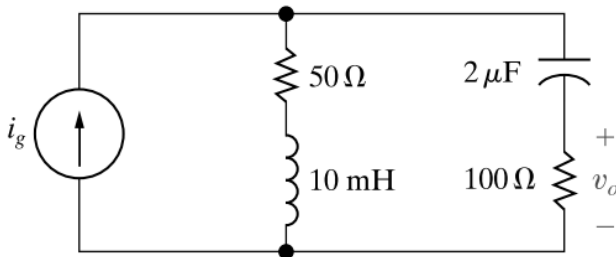
**Soru 2:**  $v_o(t)$ 'yi bulunuz.

$$v_g = 60 \sin 8000t \text{ V}$$

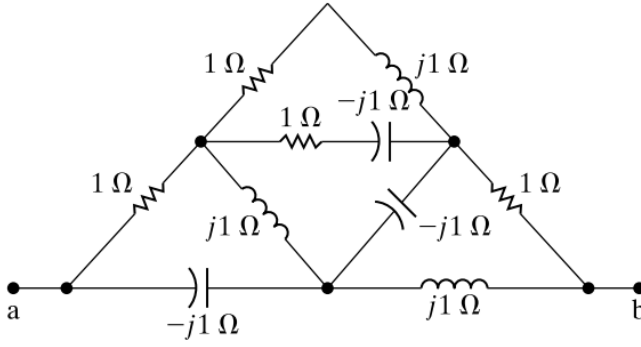


**Soru 3:**  $v_o$ 'ı bulunuz.

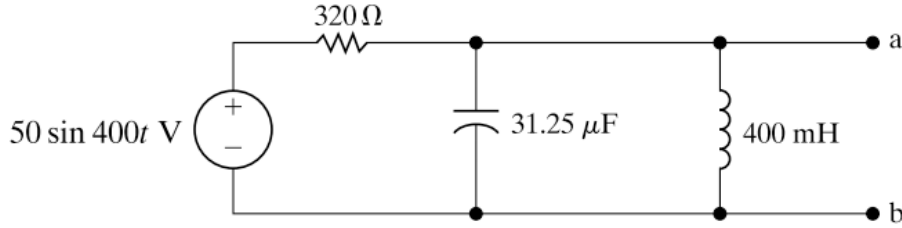
$$i_g = 60 \cos 10,000t \text{ mA}$$



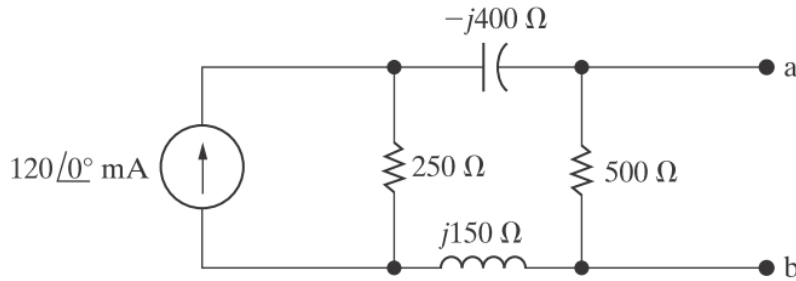
**Soru 4:**  $Z_{ab}$ 'yi bulunuz.



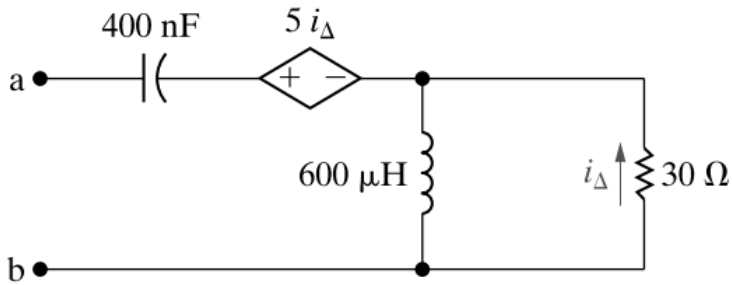
**Soru 5:** Verilen devrenin a-b terminalinden görülen Thevenin eşdeğer devresini bulunuz.



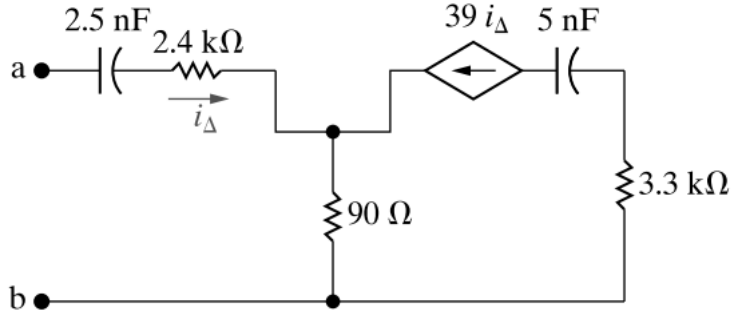
**Soru 6:** Verilen devrenin a-b terminalinden görülen Norton eşdeğer devresini bulunuz.



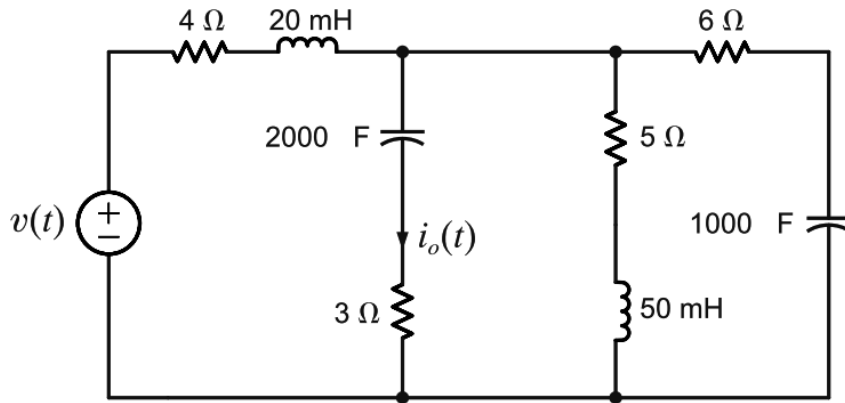
**Soru 7:** Frekans 100 krad/sn ise  $Z_{ab}$  Thevenin eşdeğer empedansı nedir?



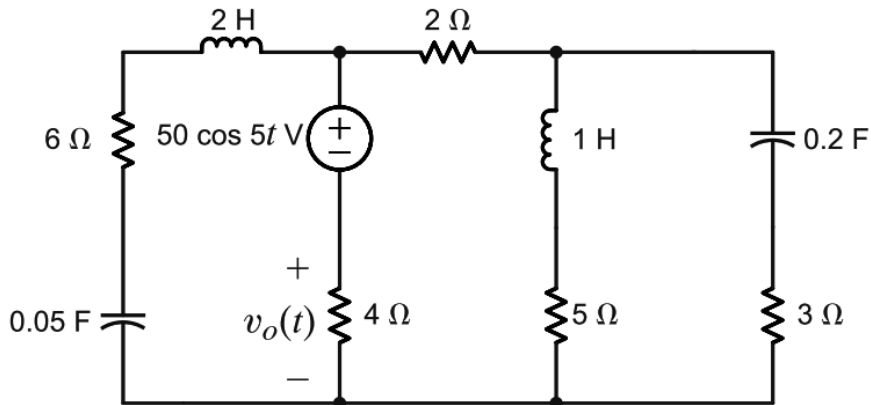
**Soru 8:** Frekans  $25/\pi$  kHz ise a-b terminalinden görülen Thevenin eşdeğer empedansı nedir?



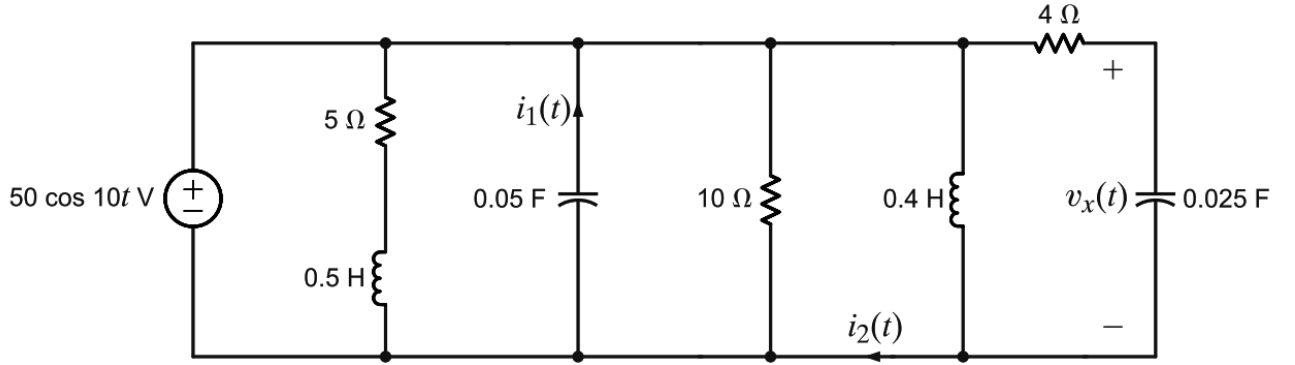
**Soru 9:**  $v(t)=50 \cos(100t)$  V ise  $i_o(t)$  akımını bulunuz.



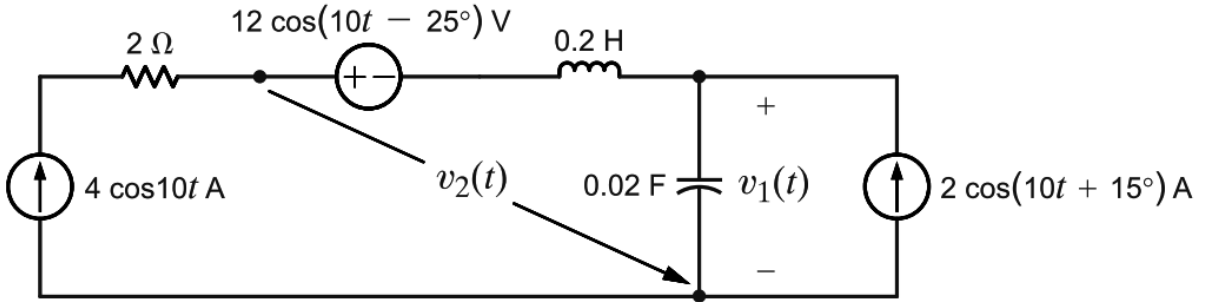
**Soru 10:**  $v_o(t)$  gerilimini bulunuz.



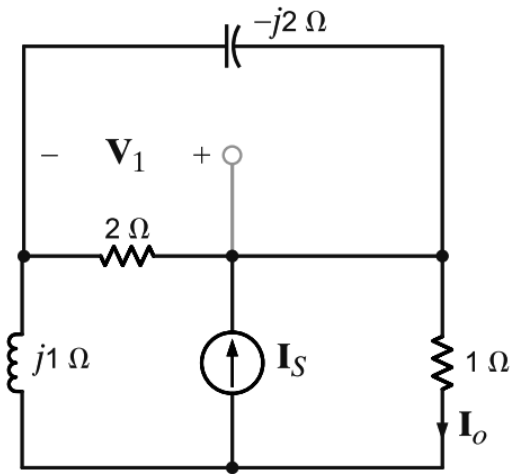
**Soru 11:**  $i_1(t)$ ,  $i_2(t)$ , ve  $v_x(t)$  değerlerini bulunuz.



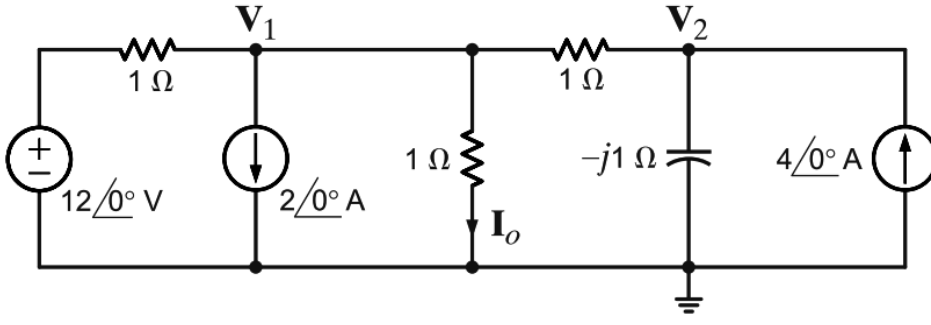
**Soru 12:**  $v_1(t)$ ,  $v_2(t)$  değerlerini bulunuz



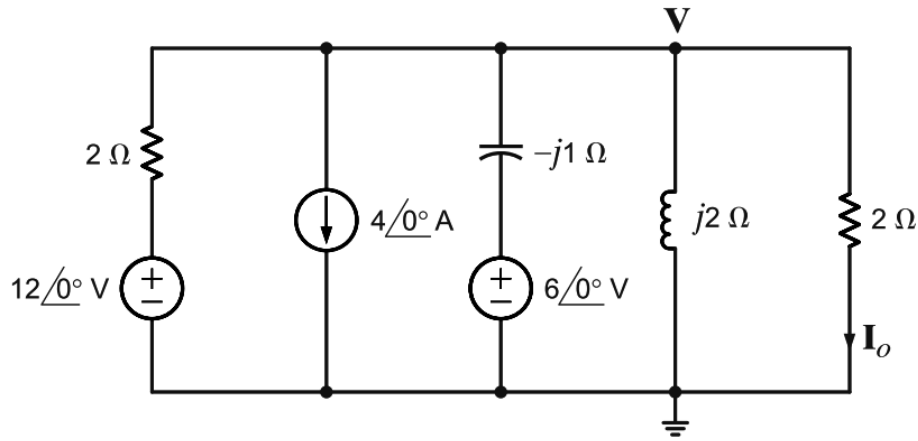
**Soru 13:**  $V_1=4$  V ise  $I_o$  değerini bulunuz.



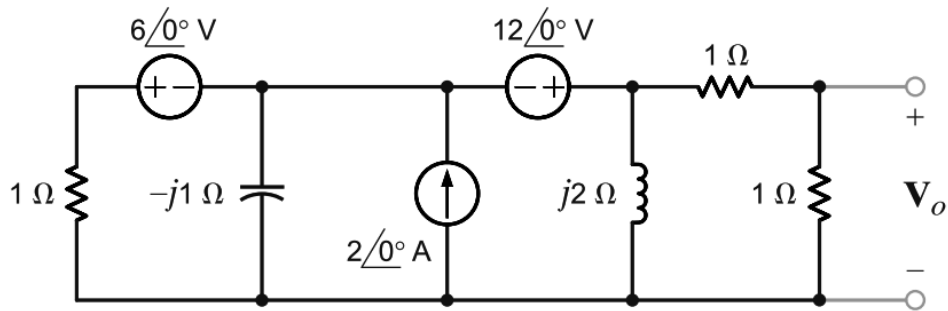
**Soru 14:** Düzüm gerilim yöntemini kullanarak  $I_o$ 'ı bulunuz.



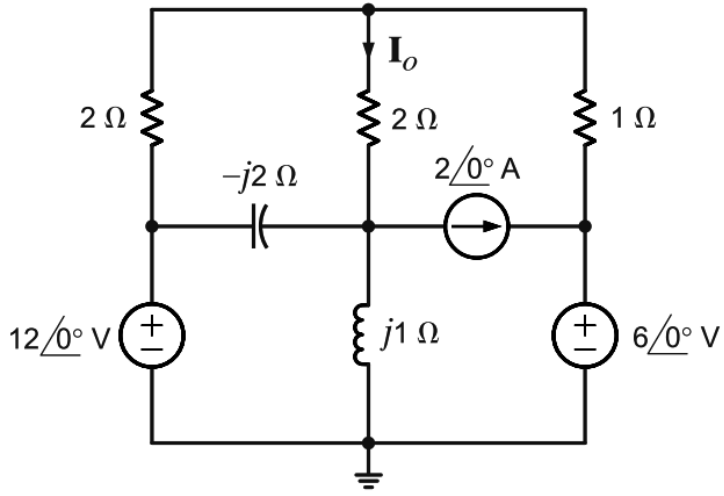
**Soru 15:** Düzüm gerilim yöntemini kullanarak  $I_o$ 'ı bulunuz.



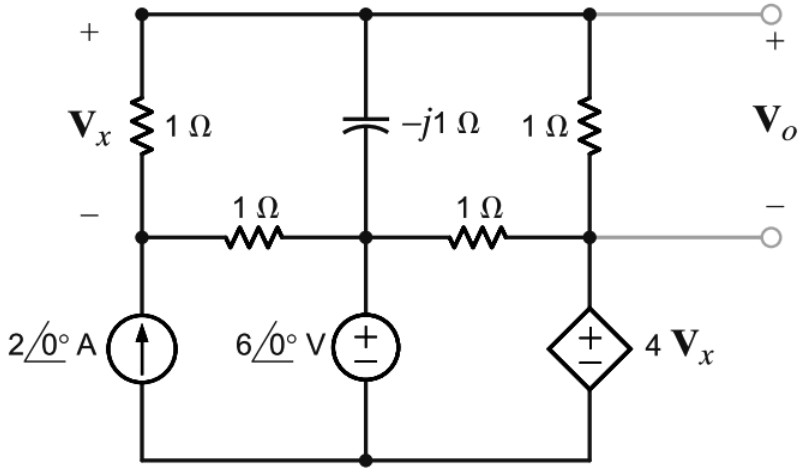
**Soru 16:** Düzüm gerilim yöntemini kullanarak  $V_o$ 'ı bulunuz.



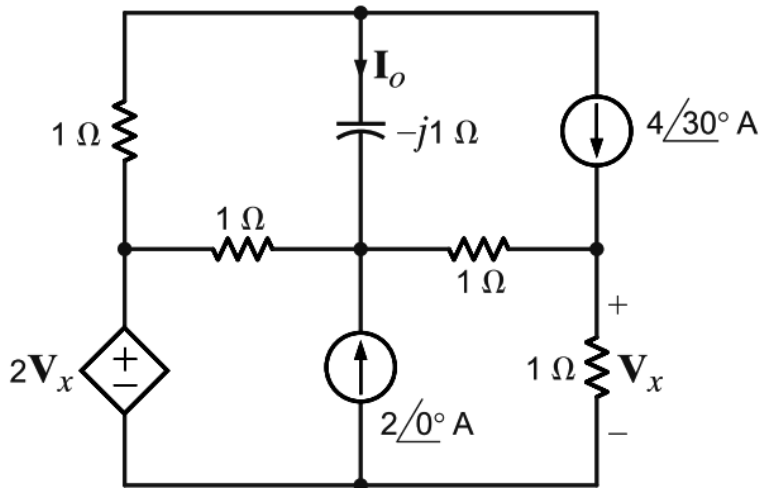
**Soru 17:** Düzüm gerilim yöntemini kullanarak  $I_o$ 'ı bulunuz.



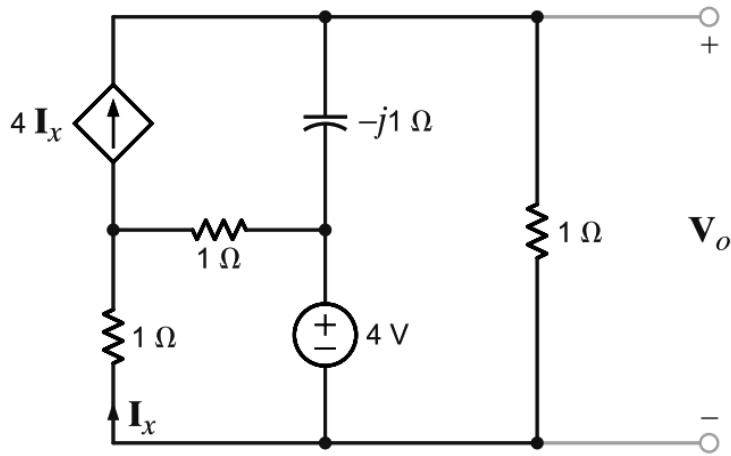
**Soru 18:** Düzüm gerilim yöntemini kullanarak  $V_o$ 'ı bulunuz.



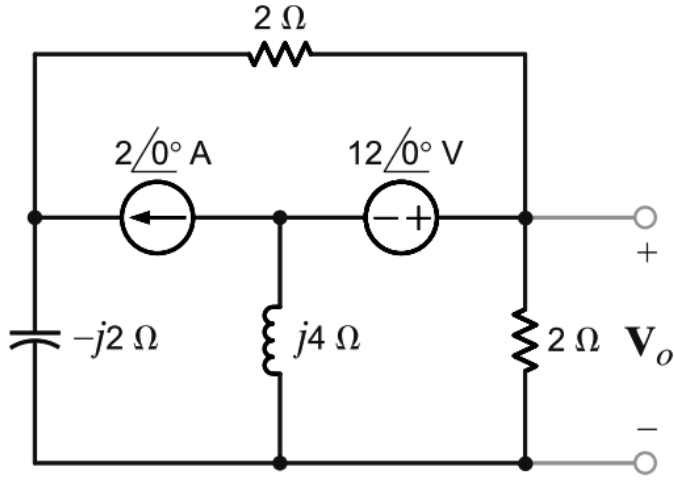
**Soru 19:** Çevre akım yöntemini kullanarak  $I_o$ 'ı bulunuz.



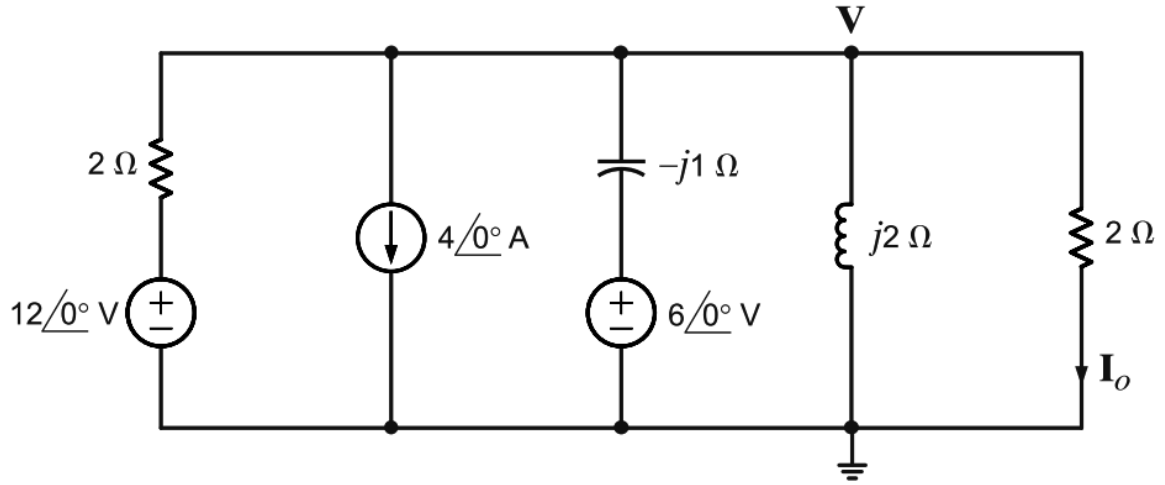
**Soru 20:** Çevre akım yöntemini kullanarak  $V_o$ 'ı bulunuz.



**Soru 21:** Çevre akım yöntemini kullanarak  $V_o$ 'ı bulunuz.

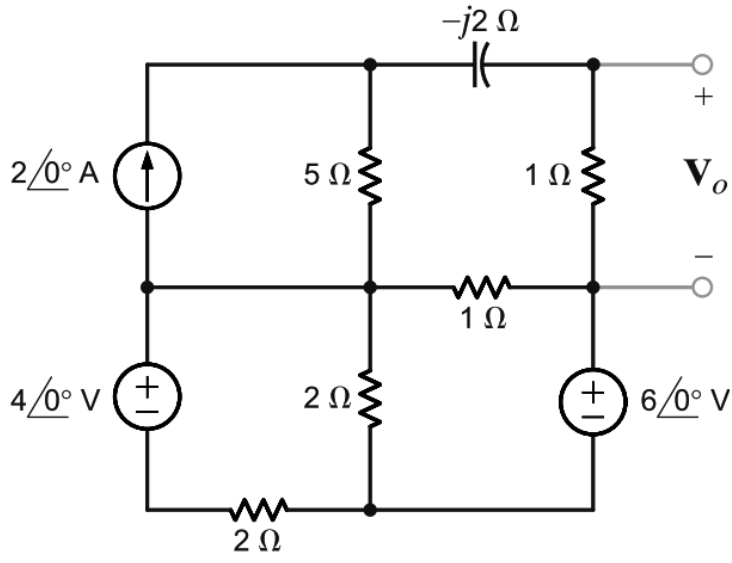


**Soru 22:** Kaynak dönüşümü yöntemini kullanarak  $I_o$ 'ı bulunuz.

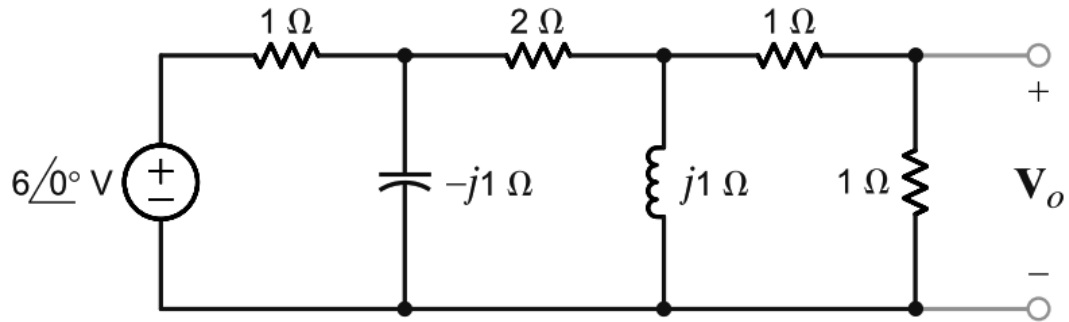




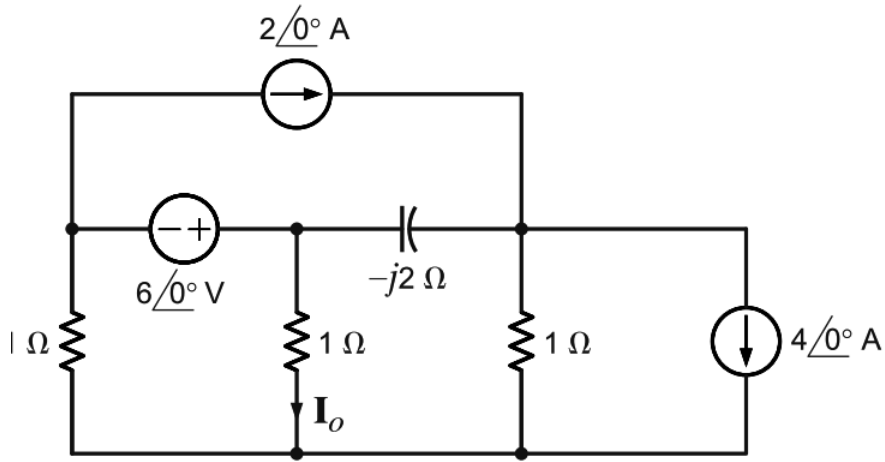
**Soru 23:**  $V_o$ 'ı bulunuz.



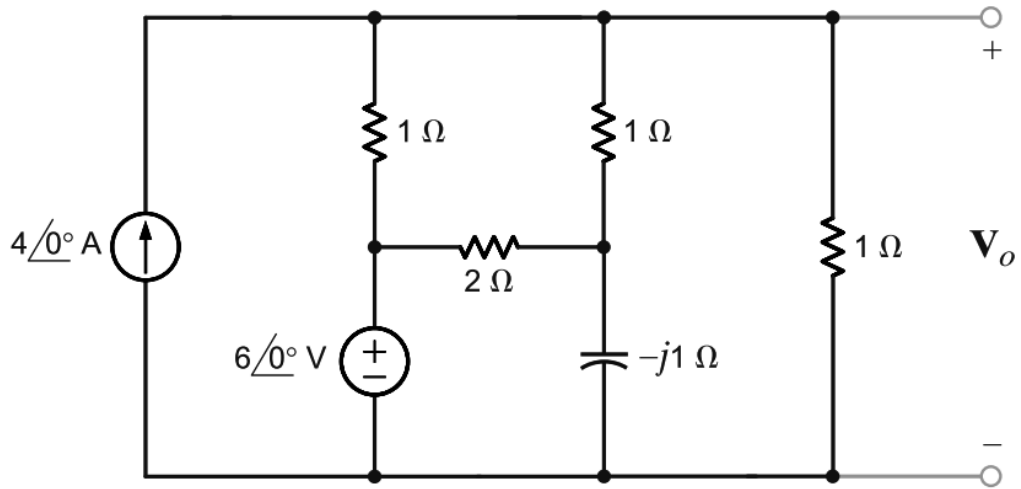
**Soru 24:** Thevenin teoremi ile  $V_o$ 'ı bulunuz.



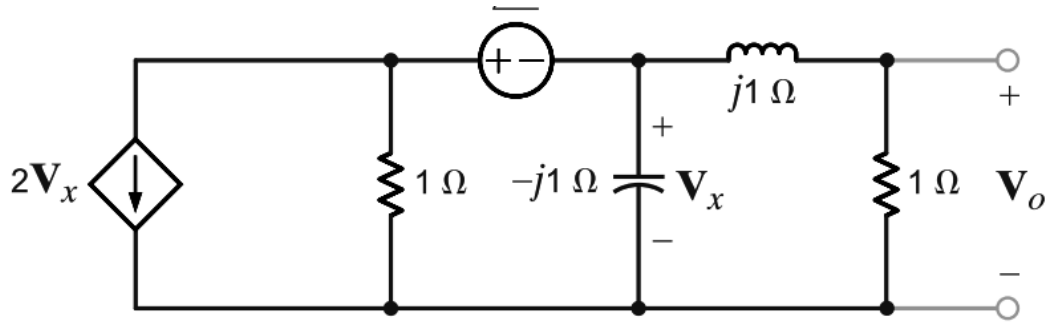
**Soru 25:** Thevenin teoremi ile  $I_o$ 'ı bulunuz.



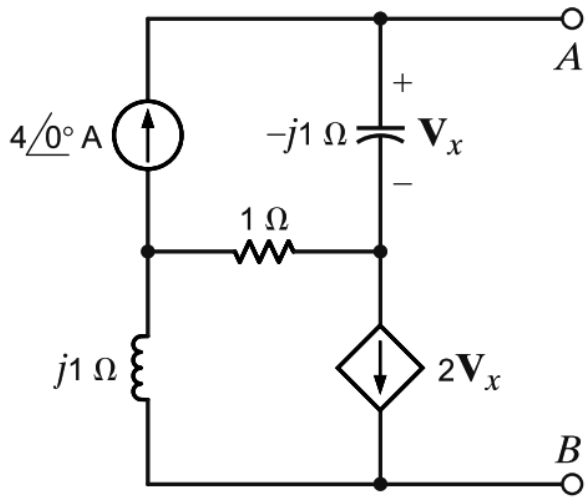
**Soru 26:** Thevenin teoremi ile  $V_o$ 'ı bulunuz.



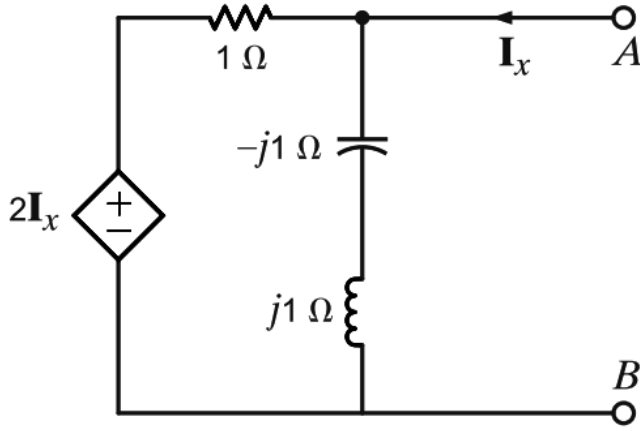
**Soru 27:** Thevenin teoremi ile  $V_o$ 'ı bulunuz.



**Soru 28:** A-B terminalinden görülen Thevenin eşlenik devresini bulunuz.



**Soru 29:** A-B terminalinden görülen Thevenin eşdeğer empedansını bulunuz.



**Soru 30:** Thevenin teoremi ile  $V_o$ 'ı bulunuz.

