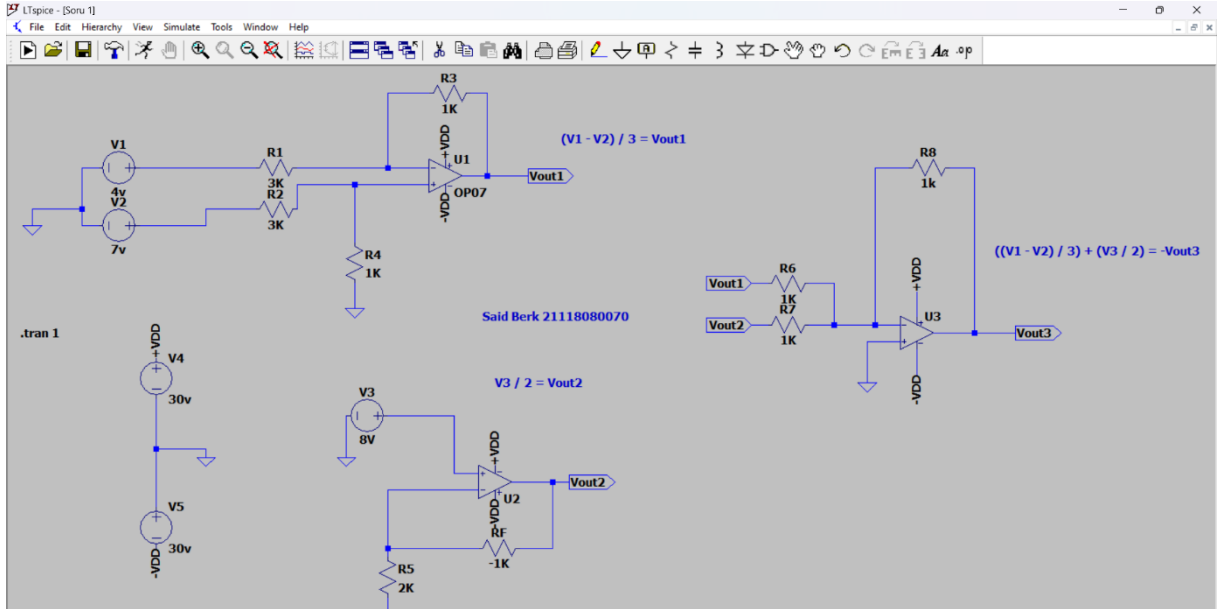
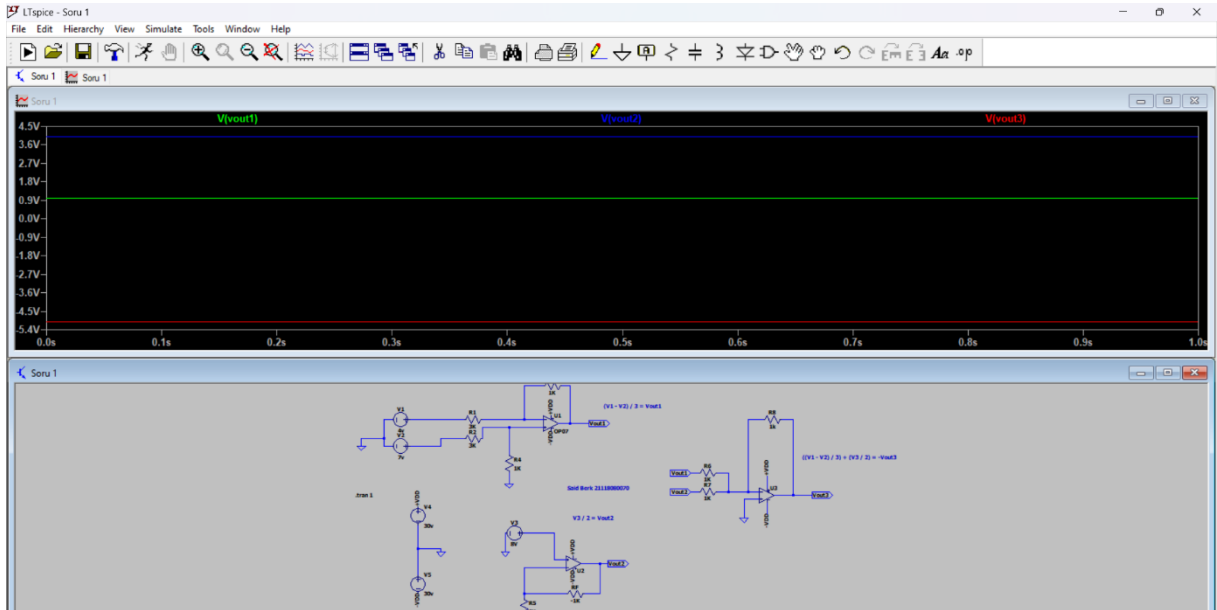


21118080070 Said Berk Devre Ödevi II

Soru 1



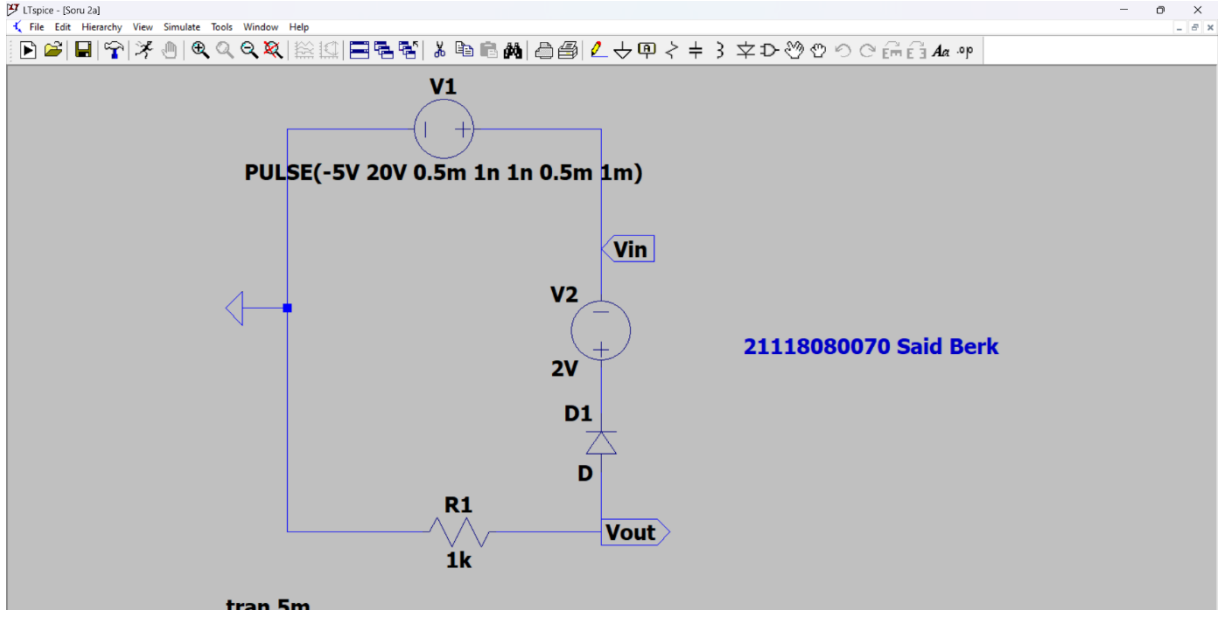
Şekil 1 Genel Devre Şeması



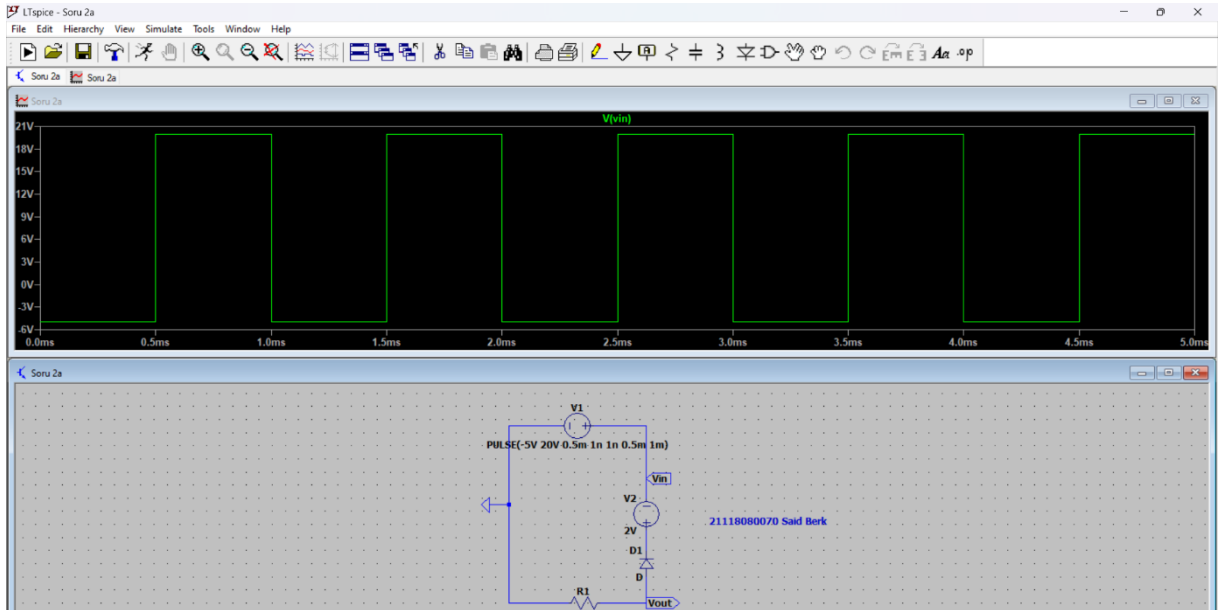
Şekil 2 Test Değerleri ve Simülasyon Grafikleri

Soru 2

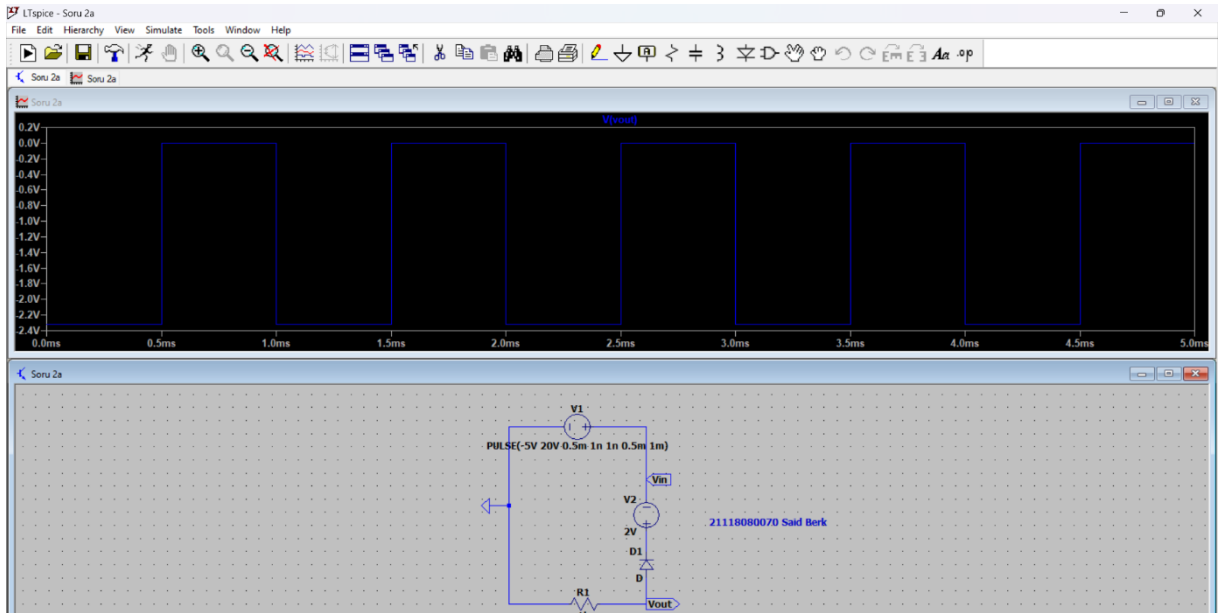
A



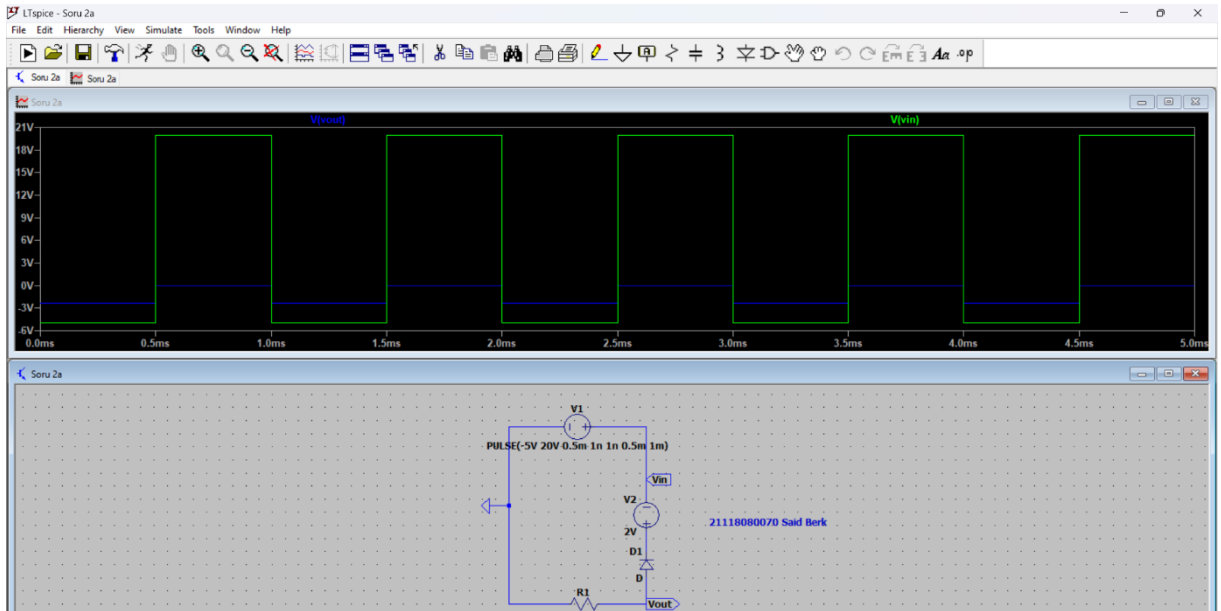
Şekil 3 Genel Devre Şeması



Şekil 4 Giriş Sinyali

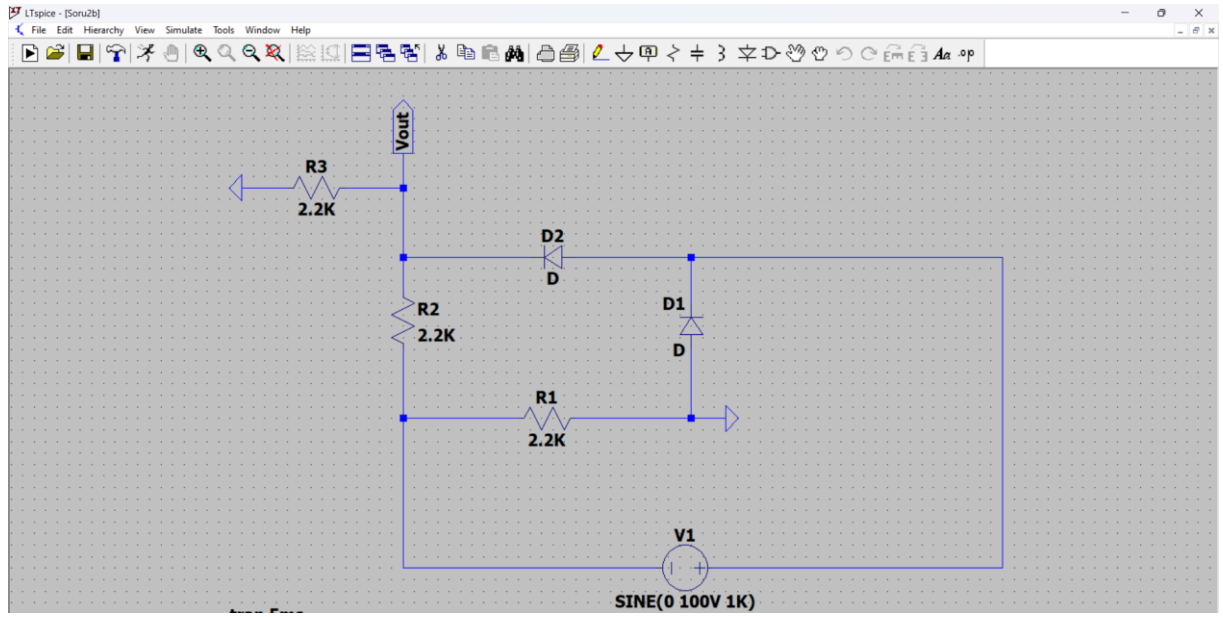


Şekil 5 Çıkış Sinyali

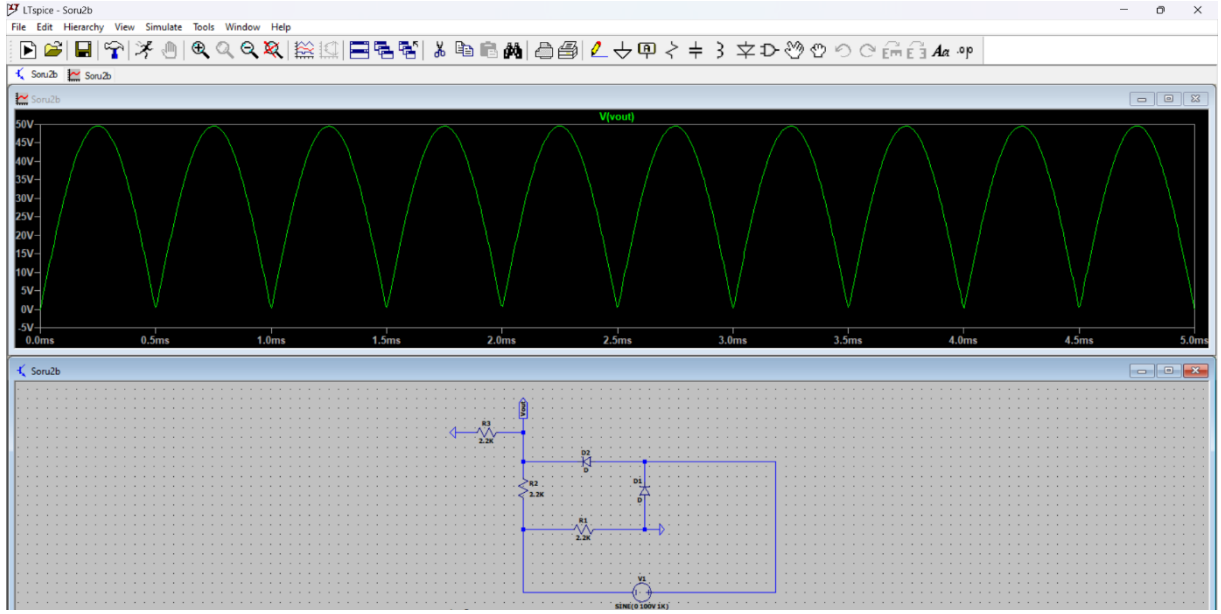


Şekil 6 Giriş - Çıkış Sinyalleri

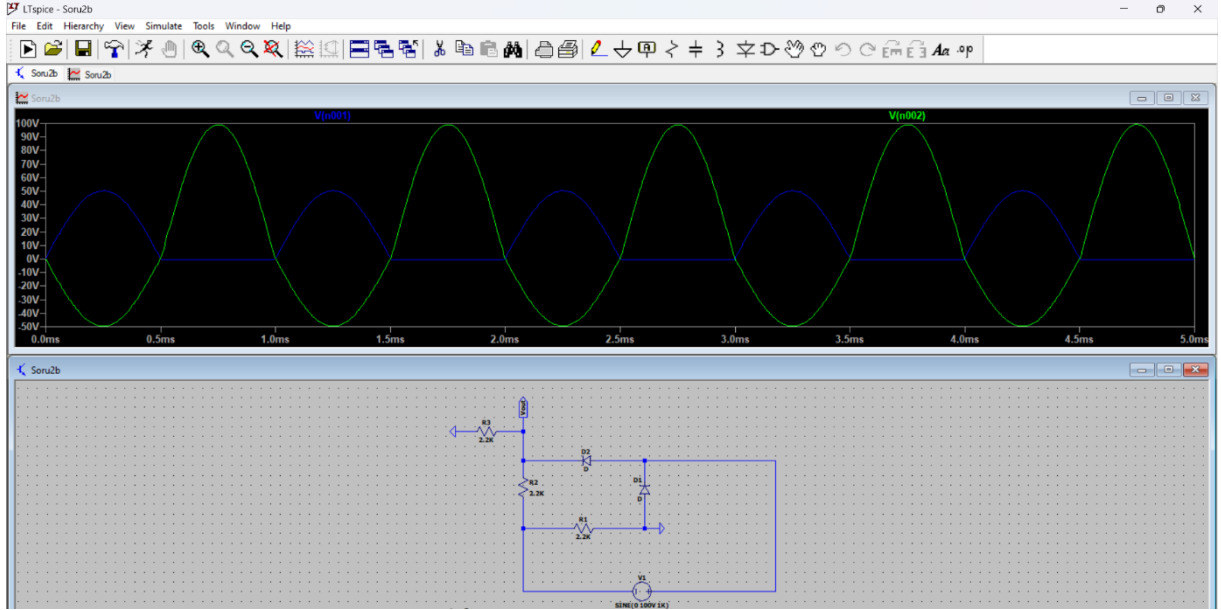
B



Şekil 7 Genel Devre Şeması

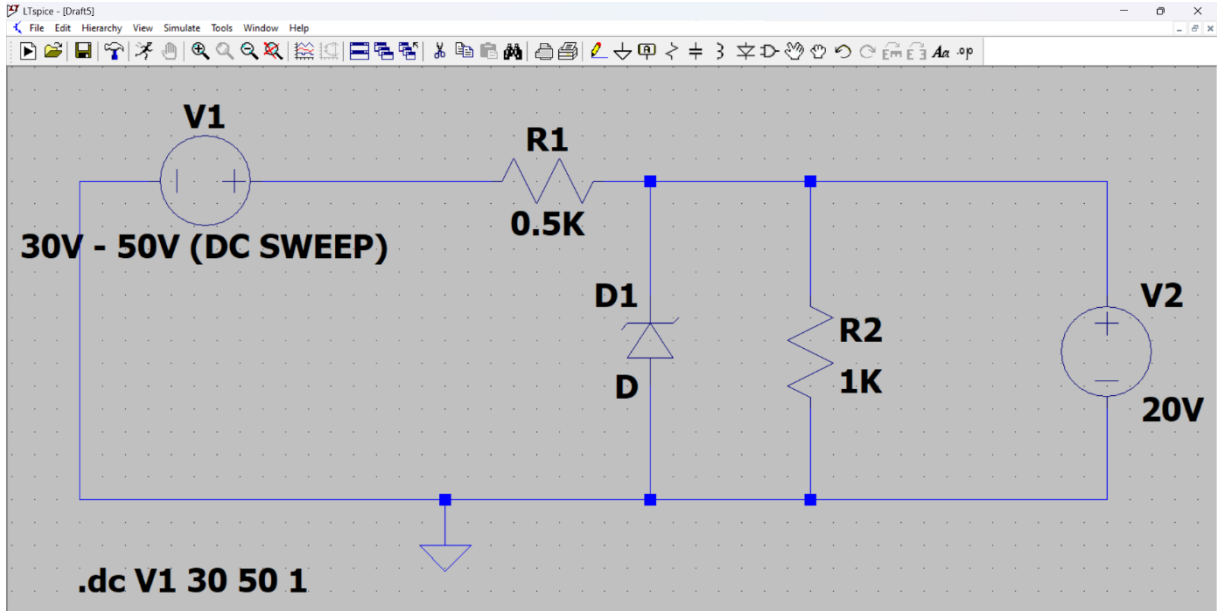


Şekil 8 Çıkış Gerilimi

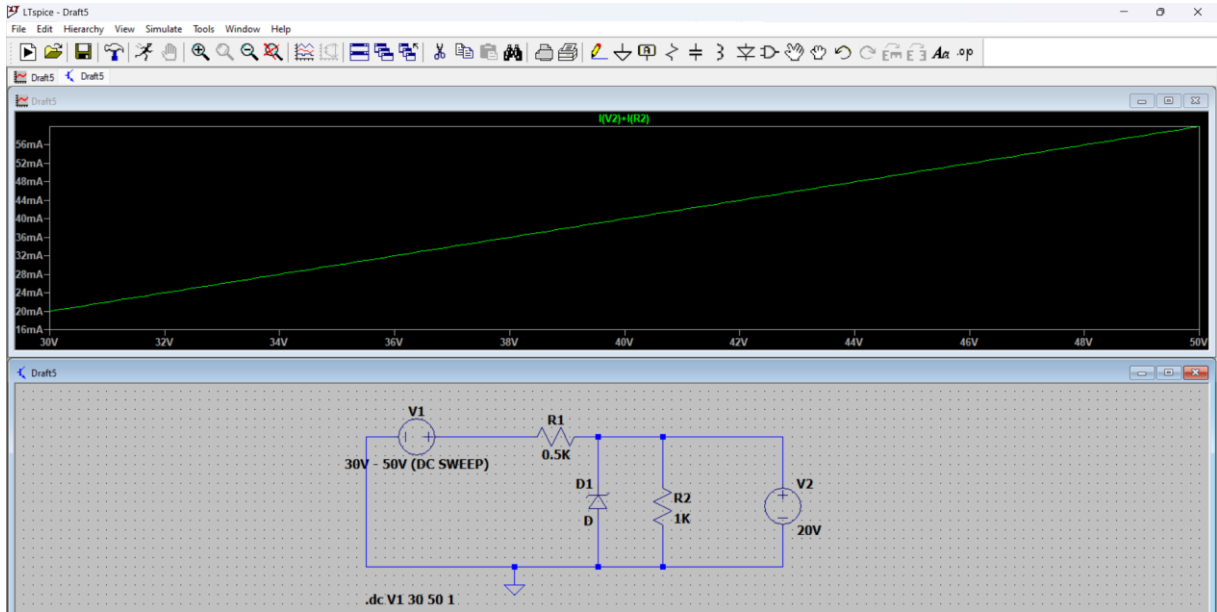


Şekil 9 Çıkış ve Kaynak Gerilimleri Karşılaştırması

SORU 3



Şekil 10 Genel Devre Şeması



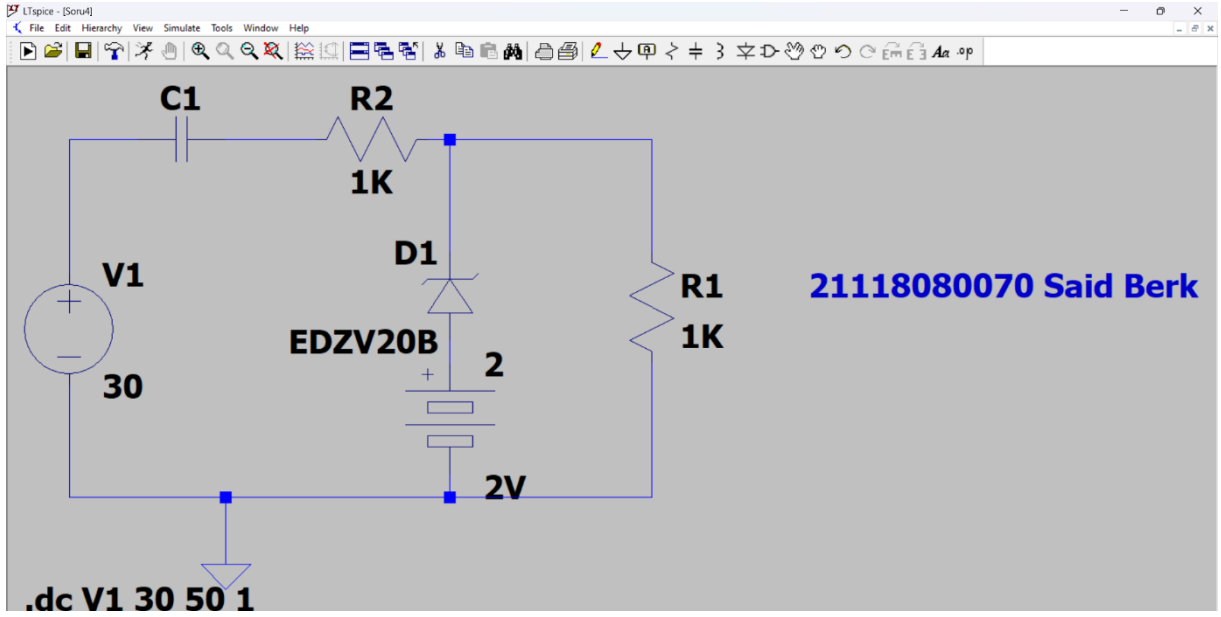
Şekil 11 Değişken Gerilimde Ölçülen Değerler

$$\frac{20}{1K} = \frac{10}{R_s}$$

$$R_s = 0.5K$$

$$I_{zm} = 60mA - 20mA = 40mA$$

Soru 4



Şekil 12 Devre Genel Şeması

$$(10 - 7 - 2)V = 7.3V$$

