

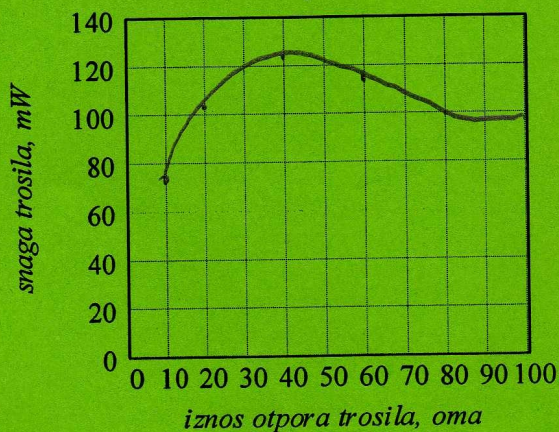
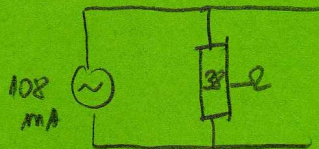
VJEŽBA III. 1

Pokus 1 Theveninov i Nortonov teorem-istosmjerna mreža

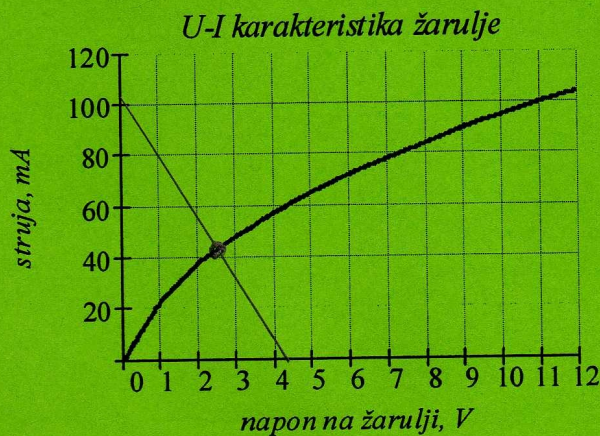
1. Teveninov nadomjesni izvor



Nortonov nadomjesni izvor



a)



b)

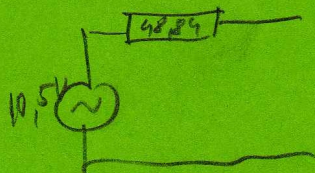
odgovori na pitanja:

1. $U = 3,38 \text{ V}$
2. $R = 12,29 \Omega$ / $R = 136,08 \Omega$
3. $U = 2,15 \text{ V}$

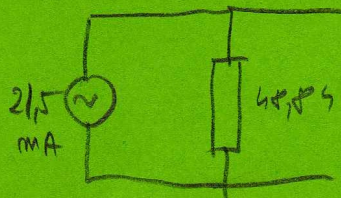
POKUS 2 Theveninov teorem-izmjenična mreža

br.radnog mjesta 4

1. Teveninov nadomjesni izvor



Nortonov nadomjesni izvor



2. $R = 492 \Omega$

3. $I_R = 20,99 \text{ mA}$

4. $P_{\max} = 217 \text{ mW}$

5. uvjet za maksimalnu snagu kod promjenjive imapedancije trošila je: $Z_{\text{trošila}} = Z_{\text{Th}}^*$