

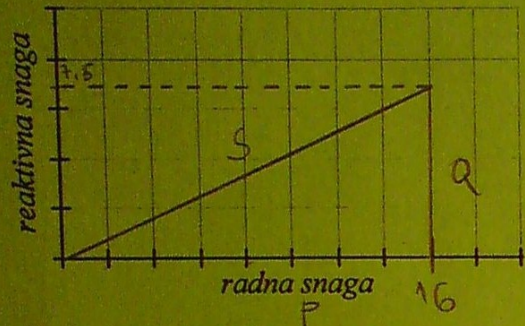
VJEŽBA III. 1 Snaga, teoremi mreža

Pokus 1. Poboljšanje faktora snage

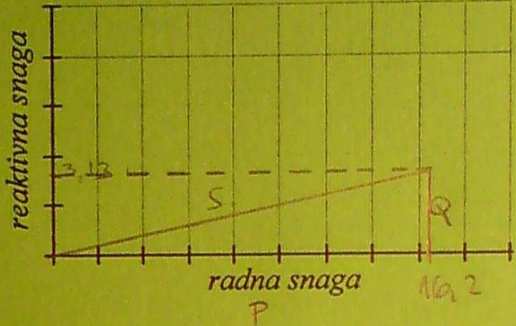
broj radnog mjesta _____

Popis opreme: reg. trafo, vatmetar, multimetar spojen kao ampermetar, induktivno trošilo, kondenzator 5 μ F, Milopka.

bez kondenzatora



sa kondenzatorom



mjerilo: 2 VA/div

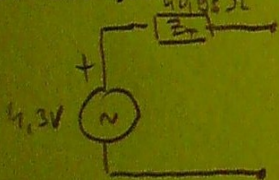
1. $p_{max} = 33.7 W$ $p_{min} = -1.7 W$ 2. $C = 2.39 \mu F$ 3. _____

Pokus 2 Theveninov i Nortonov teorem

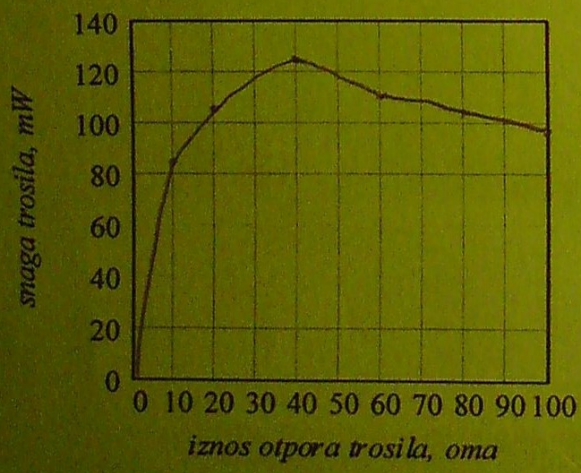
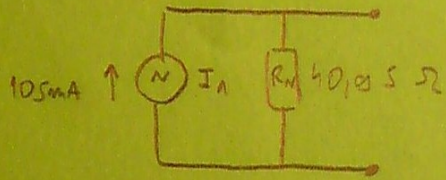
broj radnog mjesta: _____

Popis opreme: an. i dig. multimetar, $2 \times R = 50 \Omega$, $R = 120 \Omega$, $R = 15 \Omega$, DC izvor 12V, promjenljivi otpornik 0-100 Ω , milimarni elementi, panel, vodiči

1. Teveninov nadomjesni izvor

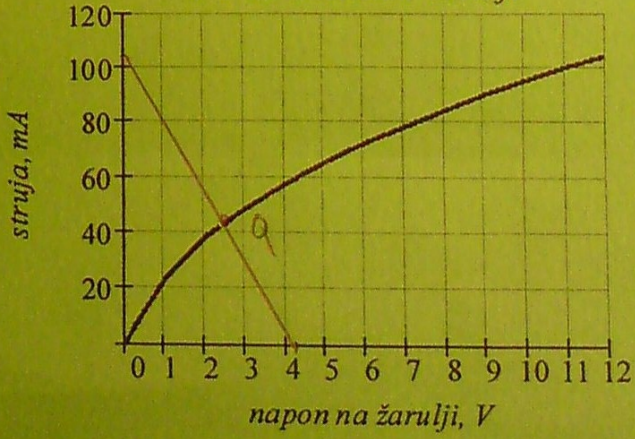


Nortonov nadomjesni izvor



a)

U-I karakteristika žarulje



b)

odgovori na pitanja:

- 1. $U_2 = 3.375 V$
- 2. 12.24Ω i 136.98Ω
- 3. $U_T = 2.15 V$