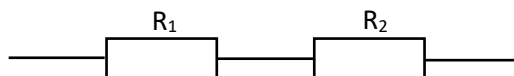


Otpornike u strujne krugove možemo spajati serijski i paralelno.

SERIJSKI SPOJ

$$R_{uk} = R_1 + R_2$$

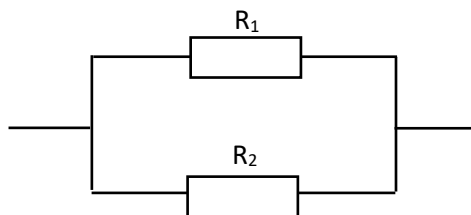


PARALELNI SPOJ

$$\frac{1}{R_{uk}} = \frac{1}{R_1} + \frac{1}{R_2}$$

odnosno

$$R_{uk} = \frac{R_1 \cdot R_2}{R_1 + R_2}$$



**Zadatak 1.**

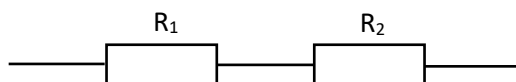
Služeći se tablicom boja otpornika, izračunaj vrijednost otpornika iz tablice

Oznaka otpornika	Slika otpornika	boje otpornika	Iznos ( $\Omega$ )
R <sub>1</sub>		smeđa/crna/smeđa/zlatna	
R <sub>2</sub>		crvena/ljubičasta/smeđa/srebrna	
R <sub>3</sub>		narančasta/plava/žuta/crvena/srebrna	
R <sub>4</sub>		zelena/plava/smeđa/zlatna	
R <sub>5</sub>		narančasta/bijela/crvena/srebrna	

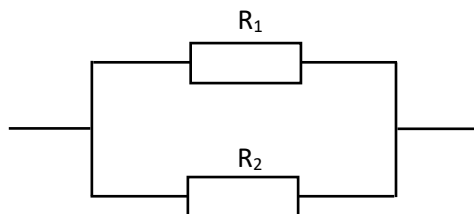
**Zadatak 2.**

Izračunaj i prikaži postupak računanja ukupnog otpora strujnog kruga služeći se vrijednostima otpornika iz zadatka 1.

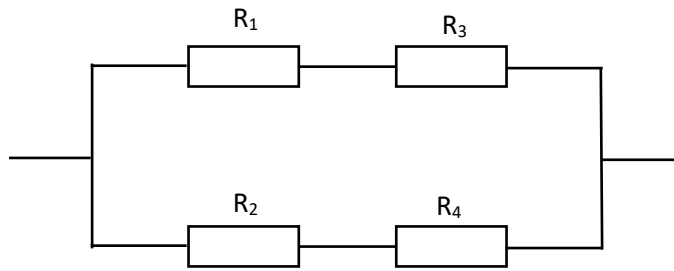
a)



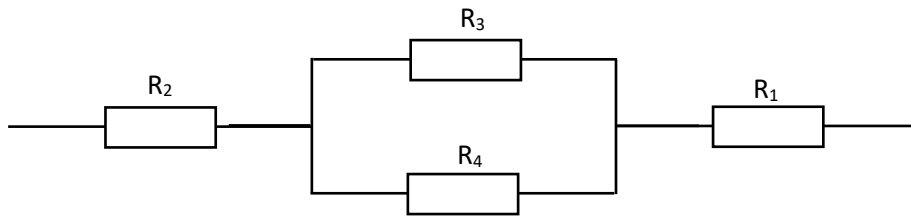
b)



c)



d)



e)

