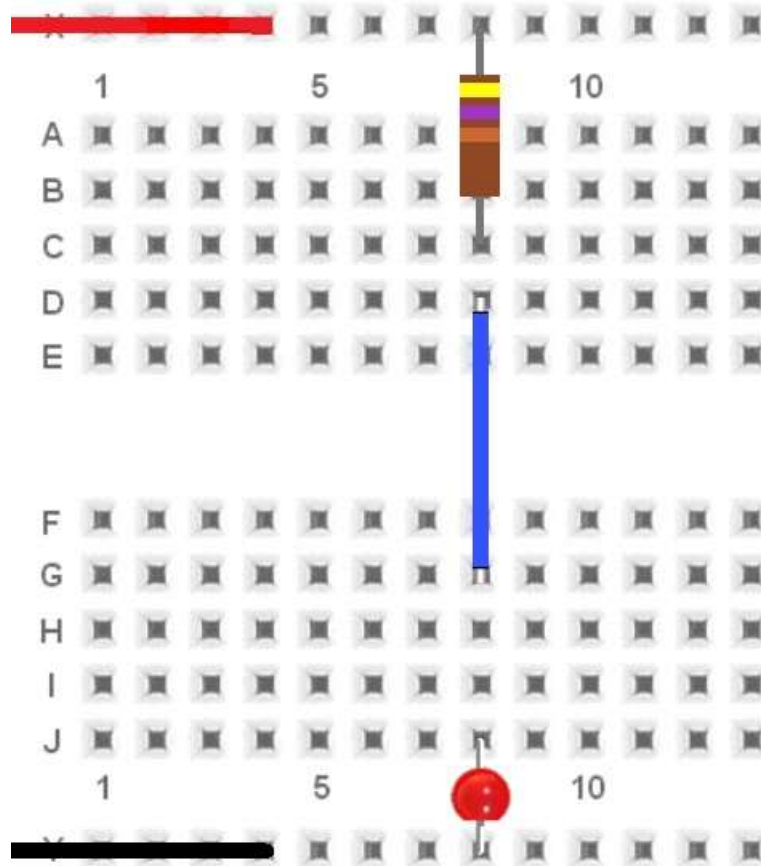


## IZRADA ELEKTRONIČKIH SKLOPOVA na eksperimentalnim montažnim pločicama

1. Ispitivač dioda: LE-Dioda sa predotpornikom od **470  $\Omega$** :

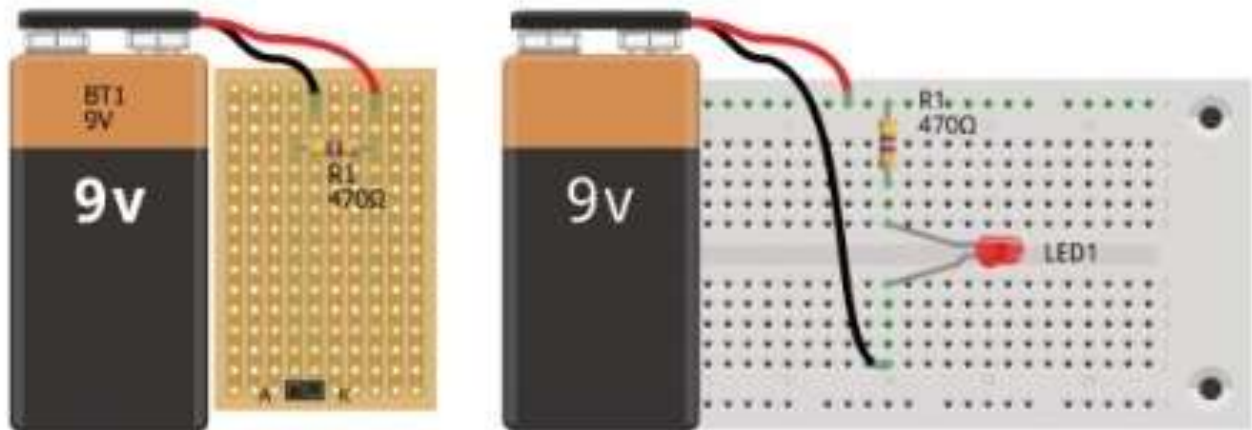


**CRVENA ŽICA** – na *plus* baterije

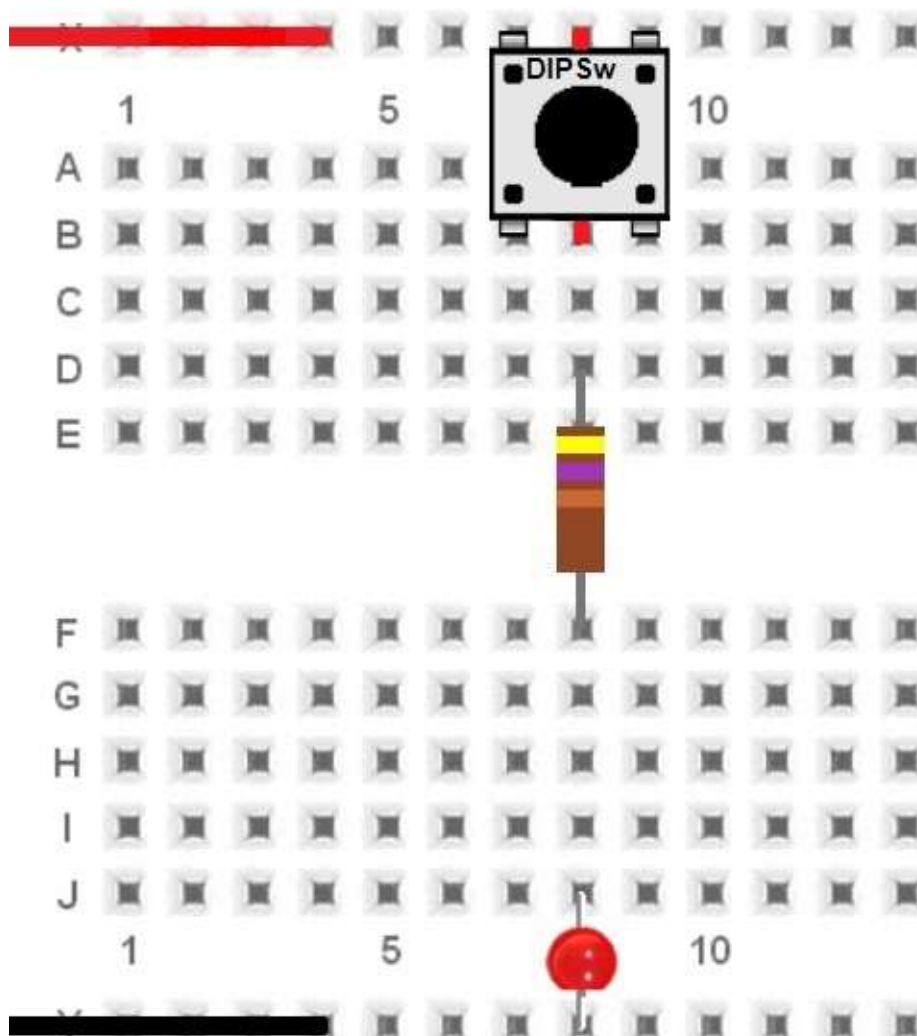
**CRNA ŽICA** – na *minus* baterije

Provjeriti sve LE-Diode u kutiji da li su ispravne.

Paziti da su pravilno priključene!



Moguće proširenje osnovnog rada:  
 2. LE-Dioda sa predotpornikom i tipkalom:



## Simboli korištenih elemenata:

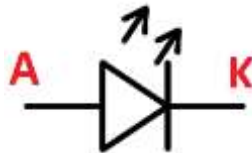
VODIČ:



OTPORNIK:

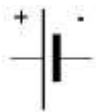


LE-Dioda (svjetleća dioda):

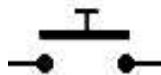


A = Anoda  
K = Katoda

BATERIJA:

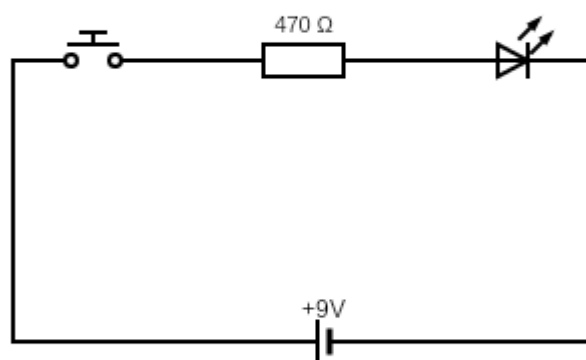


TIPKALO:



Zadatak:

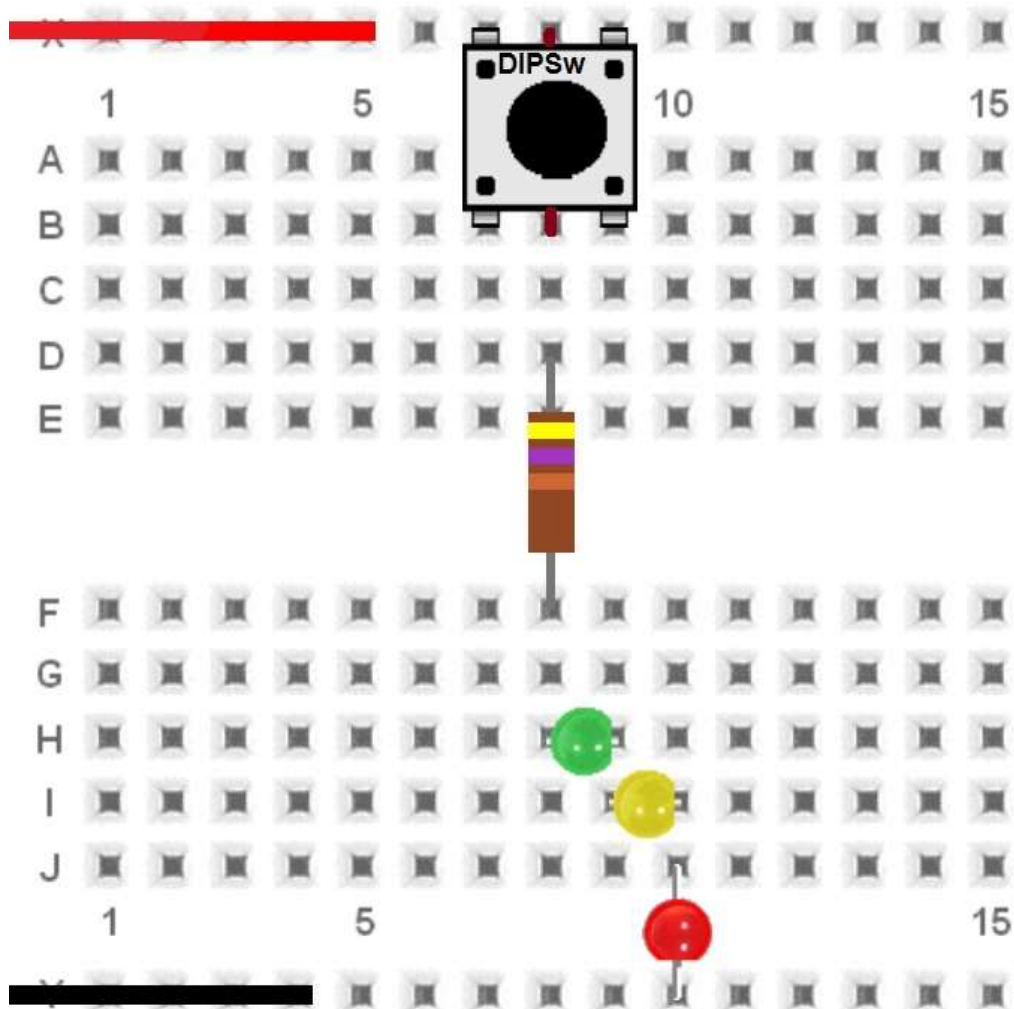
Nacrtaj shemu strujnog kruga za ispitivanje LE-Dioda (sa ili bez tipkala).



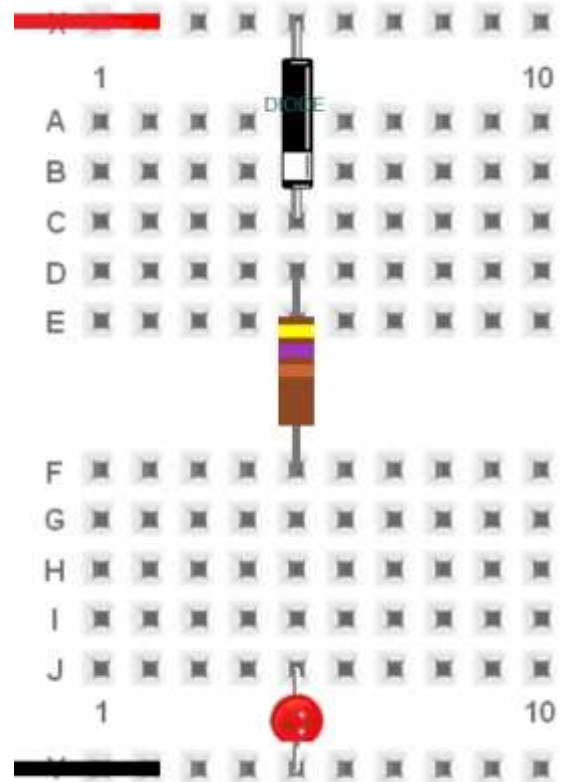
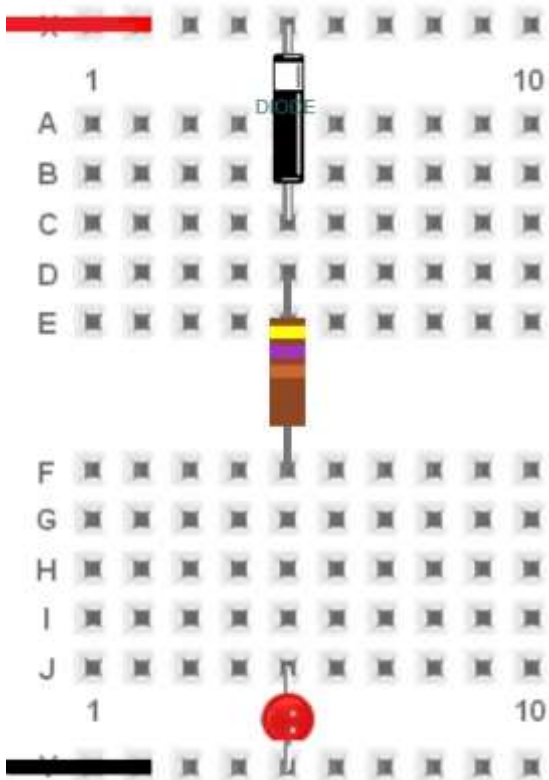
ili tome slično...

Još neka moguća proširenja istoga rada u kojemu upoznajemo i druge elektroničke elemente kao i načine spajanja elemenata u strujne krugove:

Dvije ili tri SERIJSKI spojene LE-Diode:



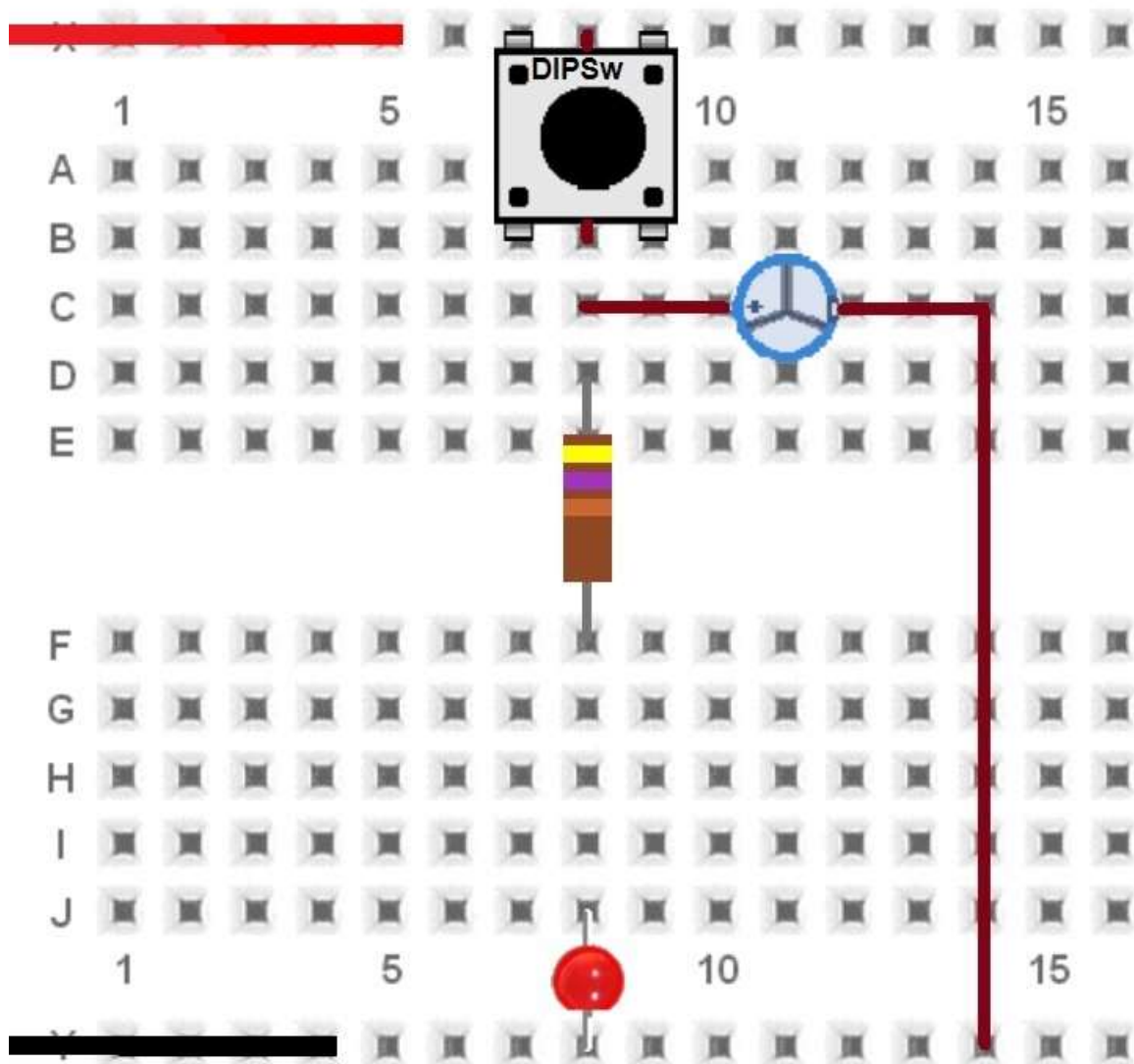
## ISPRAVLJAČKA DIODA:



Što se događa kada okrenemo ispravljačku diodu?

Zašto?

### 3. LE-Dioda sa tipkalom, predotpornikom i kondenzatorom:



Zadatak:

1. Nacrtati elektroničke sheme sklopova...

Tko želi saznati više:

Program za crtanje sklopova na eksperimentalnoj pločici:

<https://picaxe.com/software/third-party/pebble/>

Program za crtanje elektroničkih shema: <https://www.circuit-diagram.org/editor/>