

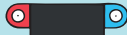
## L470 CONTROLLING NPN TRANSISTOR BY LIGHT I.



1x bulb



1x transistor NPN



1x battery



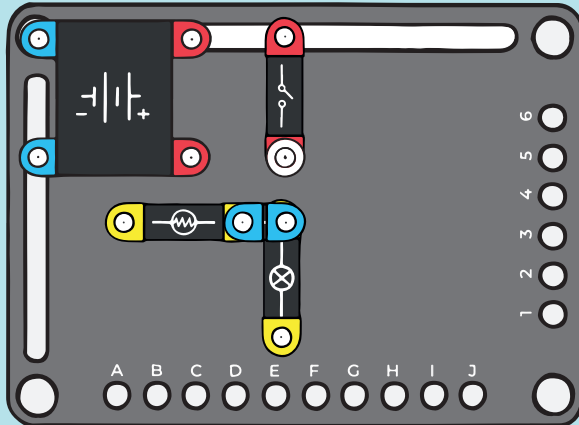
1x fotoresistor



1x switch

The more the photoresistor is illuminated, the more light the bulb emits since the transistor opens. The build is functionally the same as L90 however, a direct series combination of a photoresistor and bulb would have such a high resistance that the bulb would not light up on battery power, so we will use the transistor as a voltage amplifier for the bulb.

1.



2.

