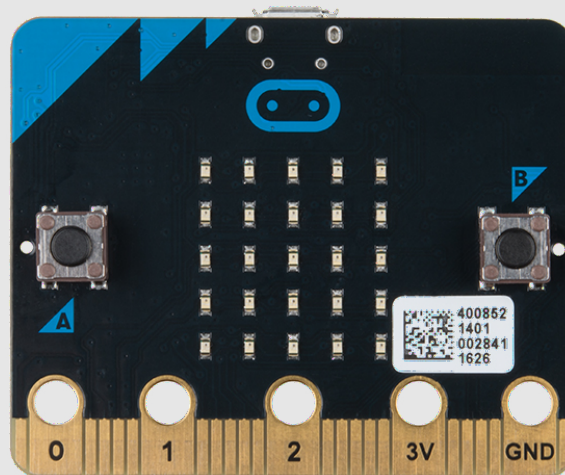




## Utrip

BBC micro:bit



Diodam naprave BBC micro:bit lahko določimo svetlost.

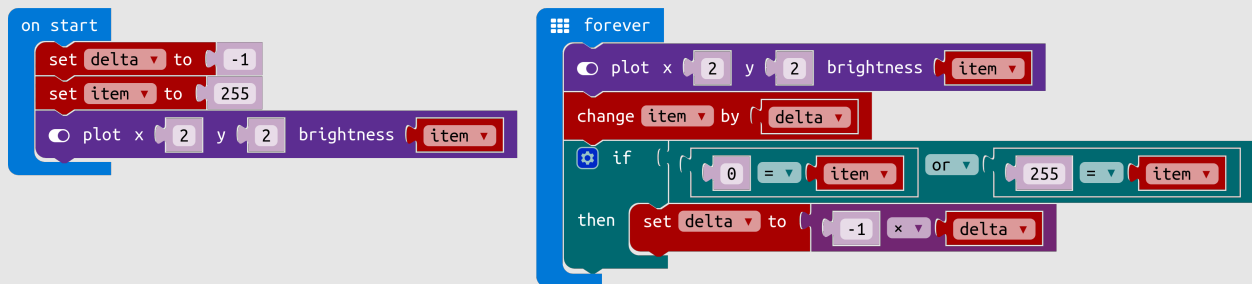
### Definicija problema

Naredimo, da bo dioda na sredini matrike uripala tako, da se bo njena svetlost spreminjala od najmanjše vrednosti 0 (ogasnjena) postopoma do največje vrednosti 255 nato bo spet padala do vrednosti 0 in tako naprej v nedogled.

### Napotek

Rešujete na spletni strani micro:bit: <https://makecode.microbit.org>

## Utrip



```
on start
  set delta to -1
  set item to 255
  plot x 2 y 2 brightness item

forever
  plot x 2 y 2 brightness item
  change item by delta
  if (0 = item or 255 = item)
  then set delta to -1 x delta
```

The code is written in Scratch. It starts with an 'on start' block containing three blocks: 'set delta to -1', 'set item to 255', and 'plot x 2 y 2 brightness item'. This is followed by a 'forever' loop. Inside the loop, there are four blocks: 'plot x 2 y 2 brightness item', 'change item by delta', an 'if' block with two conditions '(0 = item or 255 = item)', and a 'then' block 'set delta to -1 x delta'.

## Slovarček

- on start → *ob zagonu*
- forewer → *v nedogled*
- if then → *če potem*
- or → *ali*
- set to → *postavi na*
- plot brightness → *prižgi in določi svetlost*
- change by → *spremeni za*