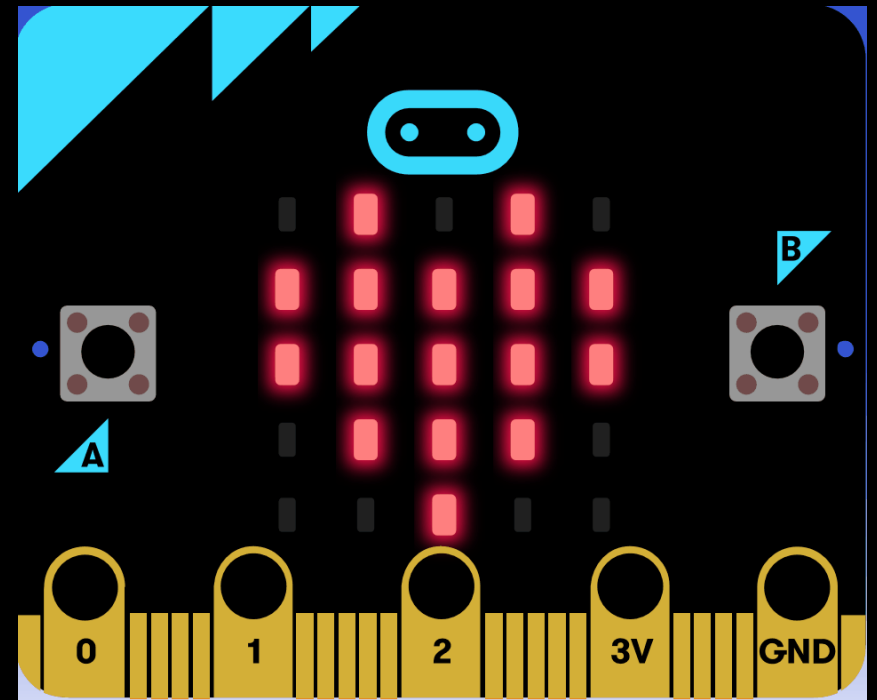


# Tema: sikkerhed og sundhed

Togchaufføren skal være vågen og frisk til sit arbejde!

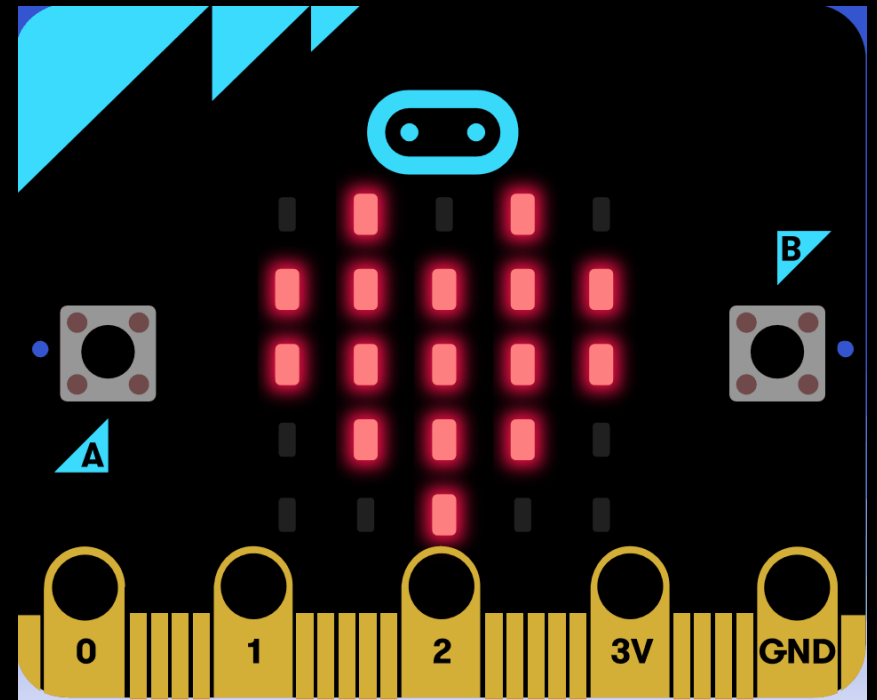
bremselængde

70km/t = 80meter



# Tema: sikkerhed og sundhed

I skal hjælpe Odense letbane  
Med at udvikle et system til  
Overvågning af chaufførens  
helbred



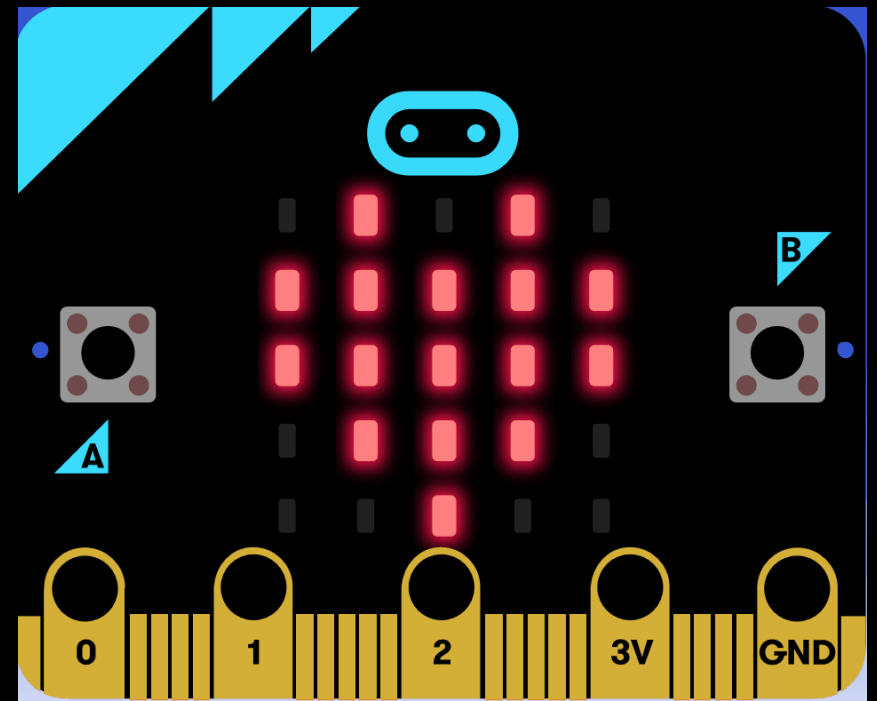
# Tema: sikkerhed og sundhed

Derfor laver vi et system, som kan:

Måle hans temperatur

Måle hans puls

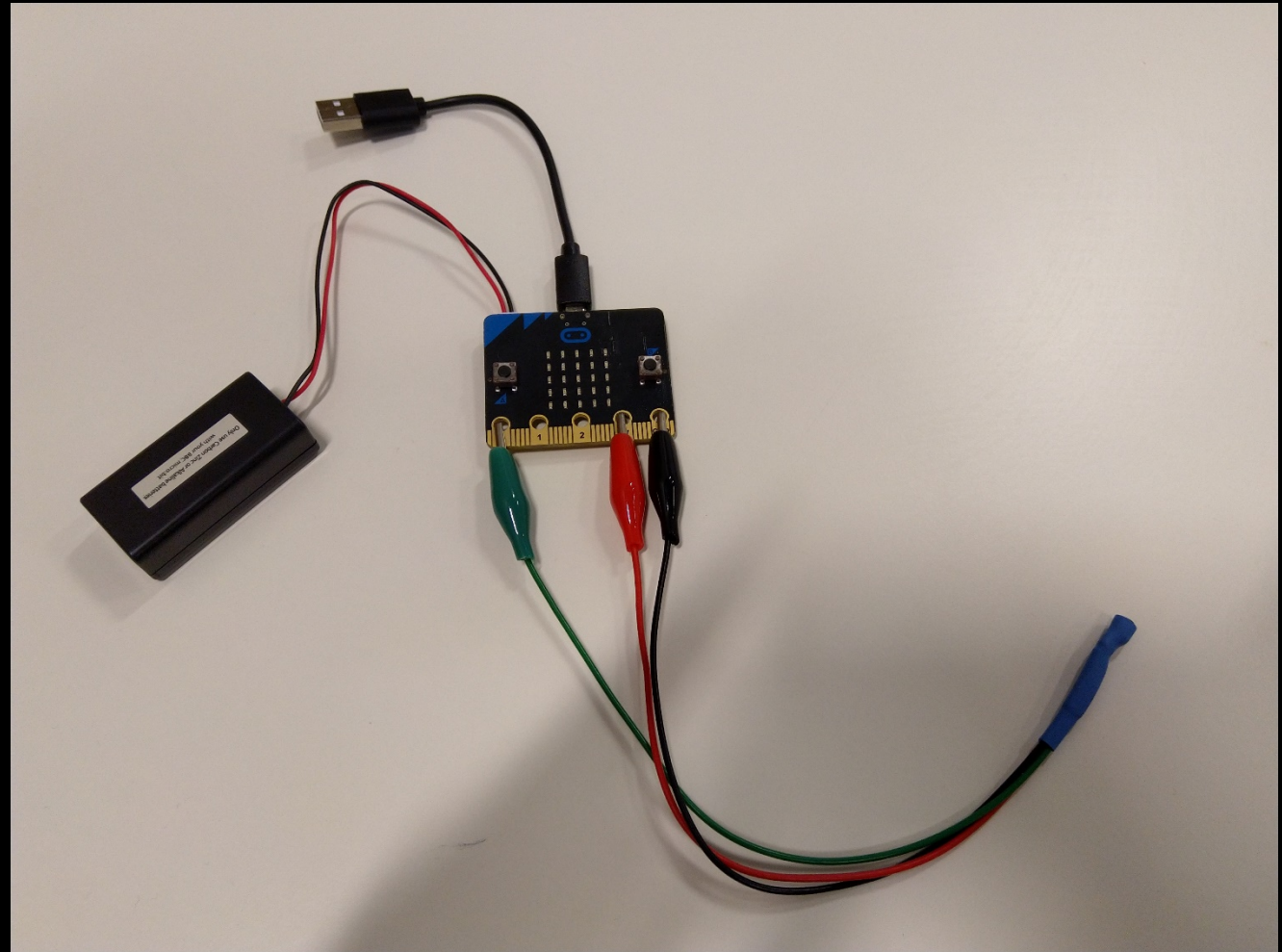
Holde ham aktiv i pauserne



**micro:bit**

**Mini-computer**

**Kan lige hvad i  
har lyst til!**



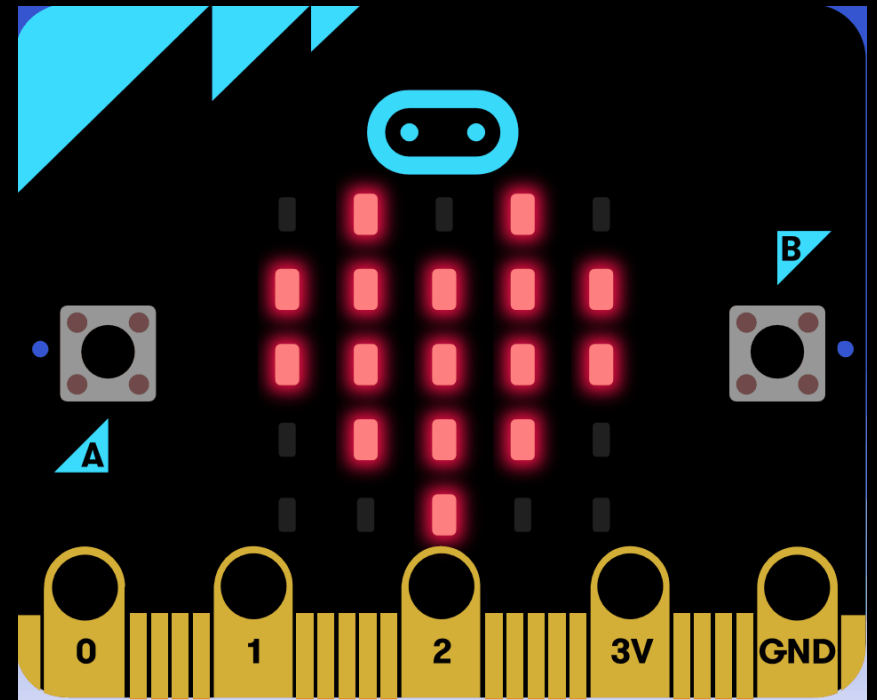
# micro:bit

The image shows the micro:bit code editor interface. On the left is a sidebar with category icons and labels: Basic, Input, Music, Led, Radio, Loops, Logic, Variables, Math, and Advanced. The main workspace contains a script within a 'forever' loop block. The script consists of four blocks: 'radio set transmit power' with a value of 7, 'radio set group' with a value of 1, 'radio send string' with a calculation 'round(analog read pin P0 - 174 / 3)', and 'show number' with the same calculation. The 'radio send string' and 'show number' blocks are highlighted with a yellow border.

```
forever
  radio set transmit power 7
  radio set group 1
  radio send string round(analog read pin P0 - 174 / 3)
  show number round(analog read pin P0 - 174 / 3)
```

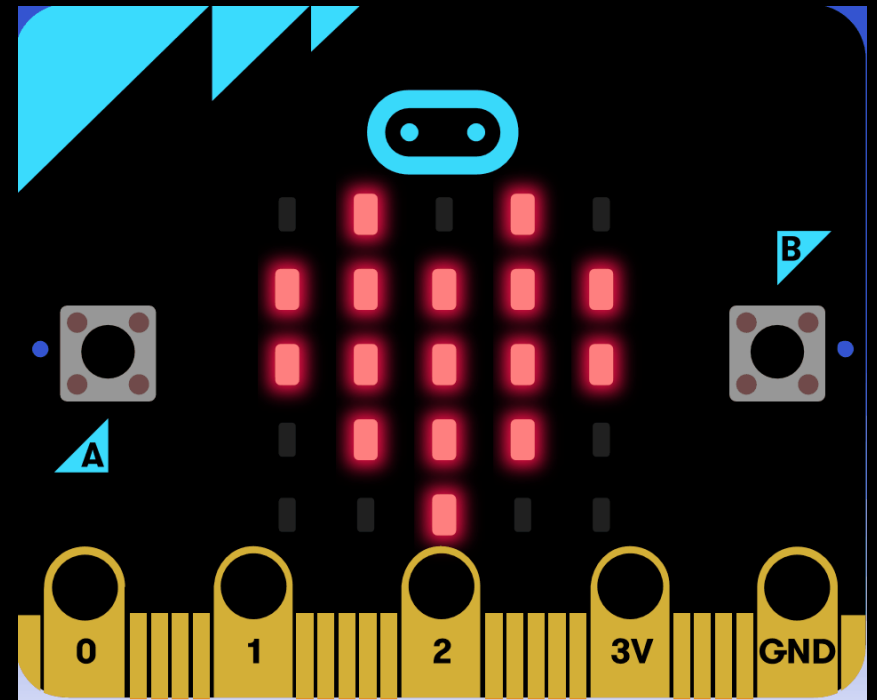
# micro:bit

- **Programmering**
- **Dataopsamling**
  - **Temperatur**
  - **Puls**
  - **Skridttæller**
- **Kommunikation**



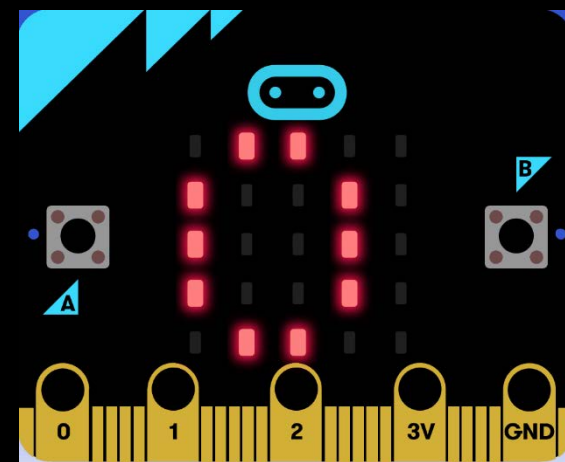
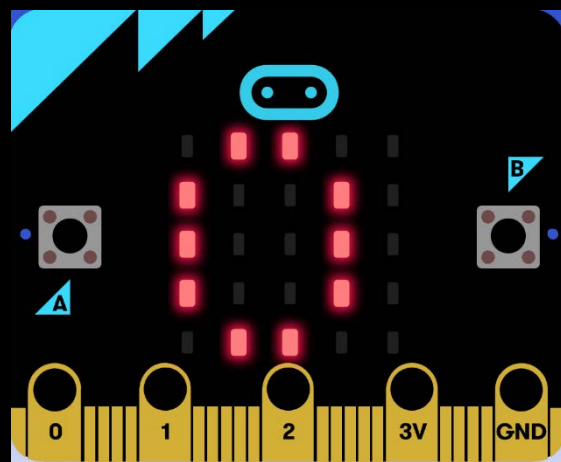
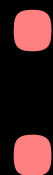
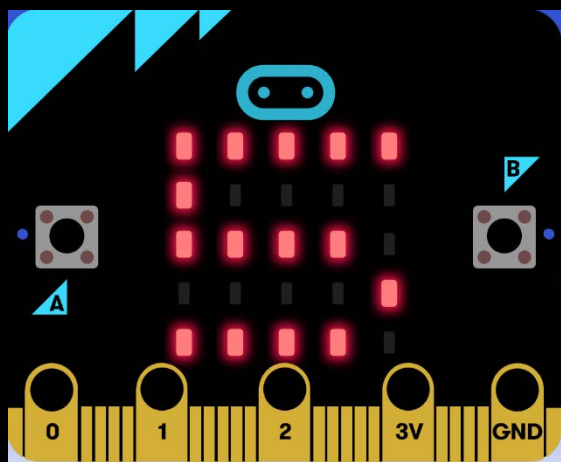
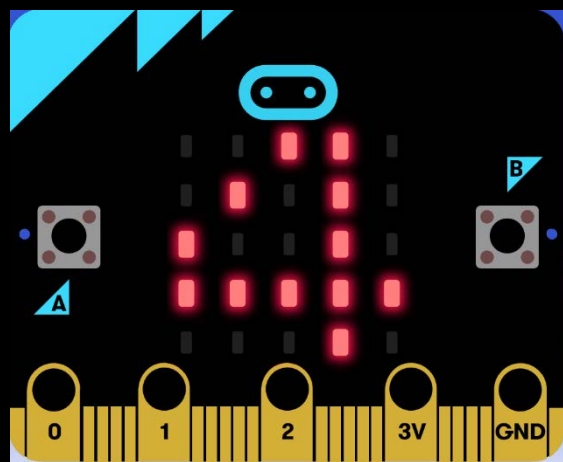
# 10 grupper!

- I deler jer i 10 grupper og går ud til standene

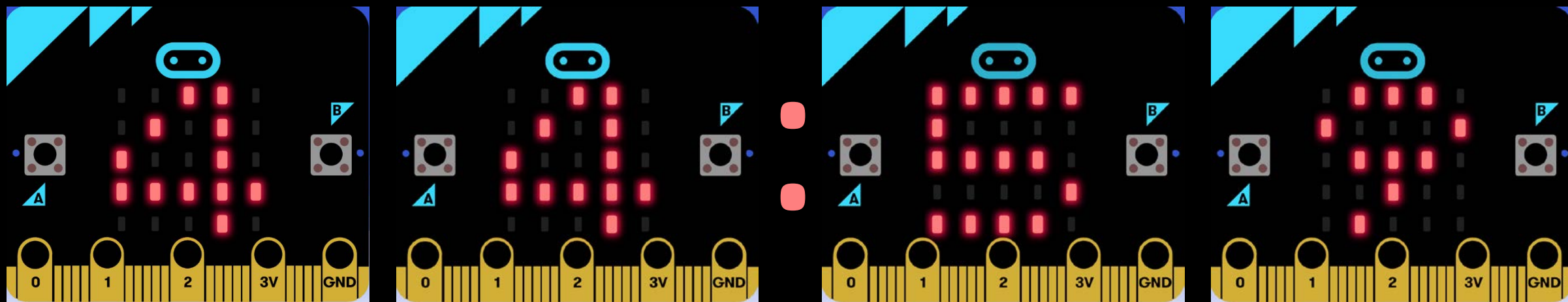




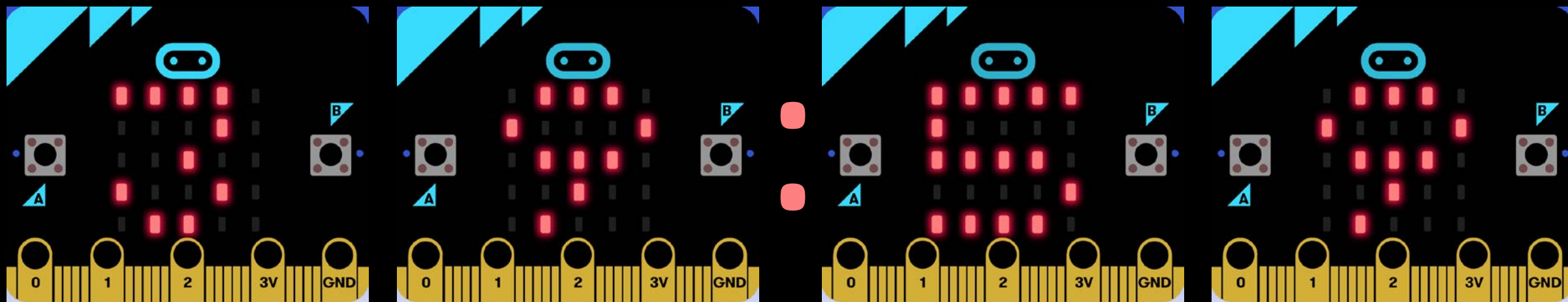
# I arbejder selv



# I arbejder selv



# I arbejder selv



# kan det bruges i virkeligheden?

- Balluff
- Smart watches

