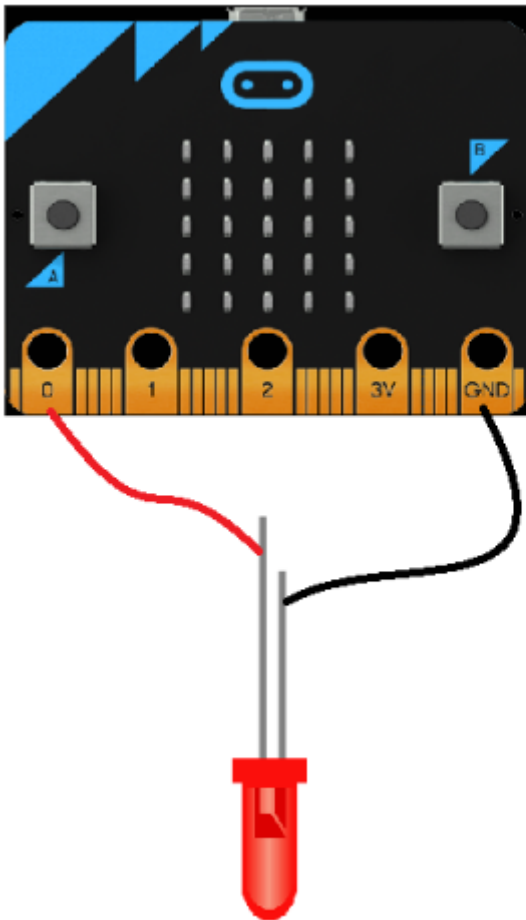


# Aprender con un led la diferencia entre analógico y digital

Vamos a conectar un led, el pin corto (-) al GND y el otro al pin0



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Vamos a ver la diferencia entre estos dos métodos de encender y apagar la luz



Digital

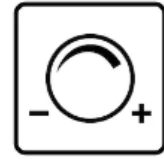


OFF



ON

Analog



0

512

1023



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El programa en digital es sencillo



Digital



OFF



ON

```
on button A pressed
  digital write pin P0 to 0
  show number 0

on button B pressed
  digital write pin P0 to 1
  show number 1
```

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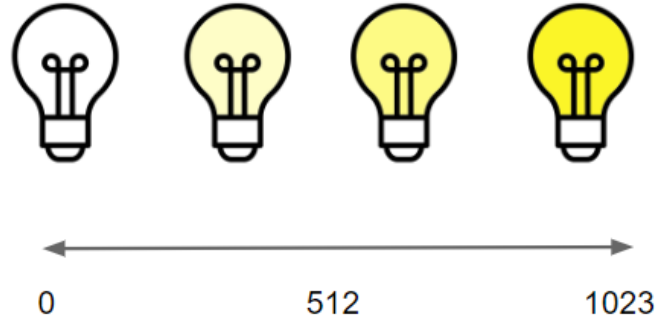
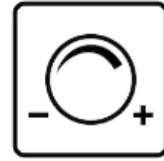
Y el programa en analógico

```
on button A pressed
  analog write pin P0 to 0
  show number 0

on button B pressed
  analog write pin P0 to 512
  show number 512

on button A+B pressed
  analog write pin P0 to 1023
  show number 1023
```

Analog 1



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