


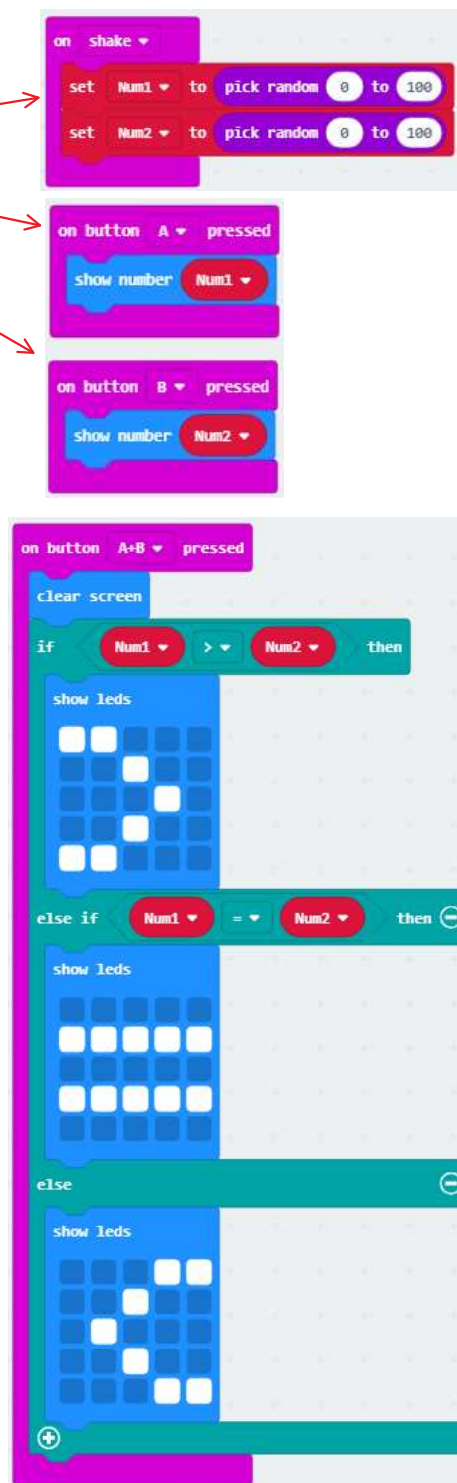


# Tut. 11b If Then Else

<b>Step 1</b>	Go to <a href="https://makecode.microbit.org/#editor">https://makecode.microbit.org/#editor</a>
<b>Step 2</b>	Create two variables: <b>Num1</b> and <b>Num2</b>
<b>Step 3</b>	On Shake, set <b>Num1</b> and <b>Num2</b> to random numbers between 0 and 100
<b>Step 4</b>	When button A is pressed it must display the value of <b>Num1</b>
<b>Step 5</b>	When button B is pressed it must display the value of <b>Num2</b>
<b>Step 6</b>	When buttons A and B are pressed simultaneously the following images should be displayed, dependent on the condition: <b>IF Num1 is greater than Num2</b>  <b>ELSE IF Num1 is equal to Num2</b>  <b>ELSE</b> 
<b>Step 10</b>	★ Save your program as "TUT11b-IfThenElse" and upload to your micro:bit



```

on shake
  set Num1 to pick random 0 to 100
  set Num2 to pick random 0 to 100

on button A pressed
  show number Num1

on button B pressed
  show number Num2

on button A+B pressed
  clear screen
  if Num1 > Num2 then
    show leds [5x5 grid with 5 LEDs lit]
  else if Num1 = Num2 then
    show leds [5x5 grid with 10 LEDs lit]
  else
    show leds [5x5 grid with 5 LEDs lit]
  
```

[Microbit Tutorial 11b - If Then Else](#)

