

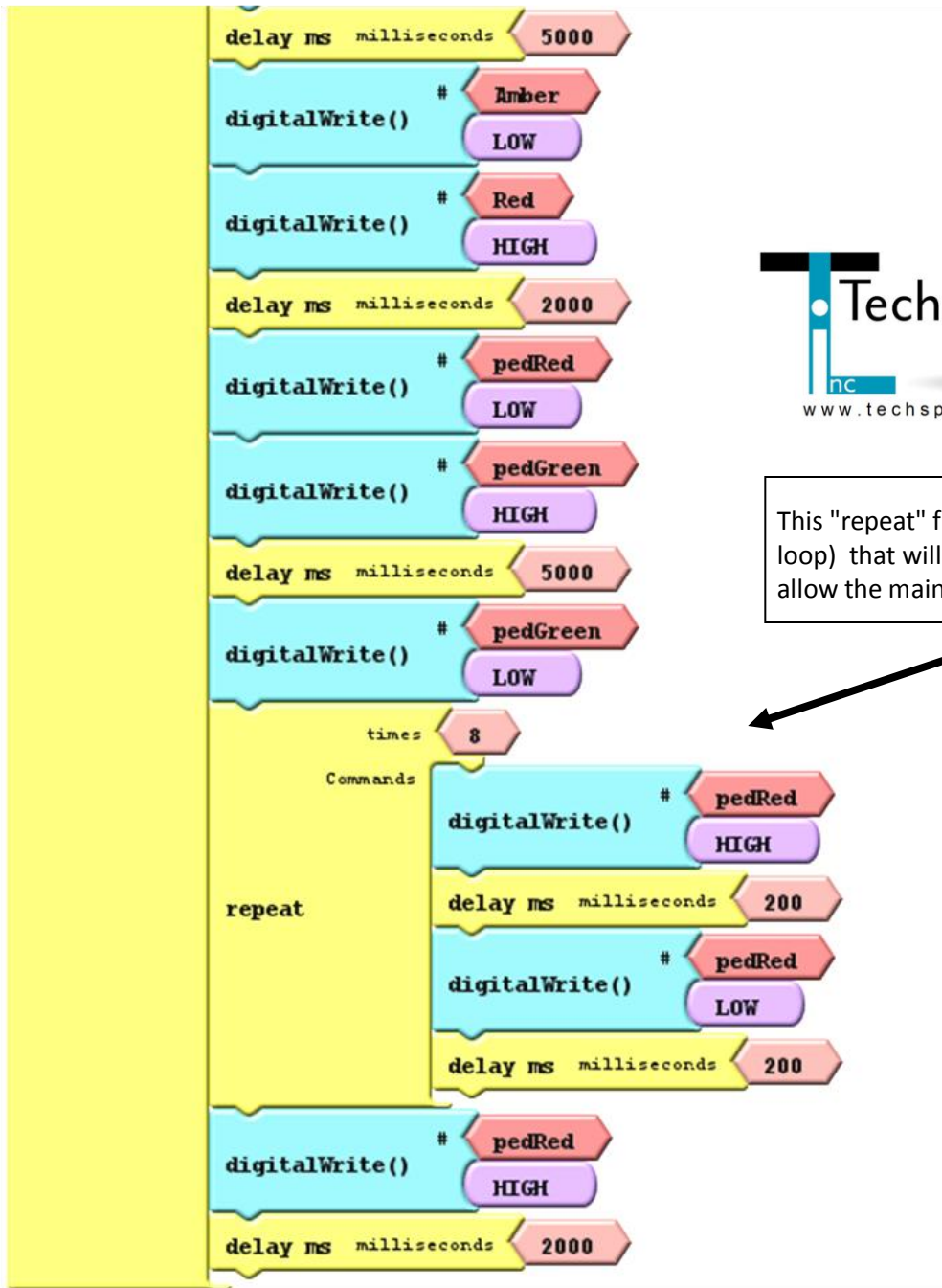
```
setup
  int = variable Red value 4
  int = variable Amber value 5
  int = variable Green value 6
  int = variable pedRed value 7
  int = variable pedGreen value 8
  int = variable Button value 2

loop
  digitalWrite() # pedRed HIGH
  digitalWrite() # Red LOW
  digitalWrite() # Green HIGH
  test digitalRead() # Button = LOW
  while Commands
    delay ms milliseconds 10
  delay ms milliseconds 500
  digitalWrite() # Green LOW
  digitalWrite() # Amber HIGH

program
```



This "while" function is a loop (within the main loop) that will prevent the main loop from going any further until the Button is pressed (goes "HIGH").



This "repeat" function is a loop (within the main loop) that will go through 8 times before it will allow the main loop to go any further.

