

Testprogramm cyberpi



```
when CyberPi gestartet wird
  setze die Druckgröße auf klein
  Verbindung zu Wi-Fi MBotAccess Passwort makeblock
  warte bis Netzwerk verbunden?
  drucke AP connected und neue Zeile
  wiederhole fortlaufend
    Broadcast-Nachricht message mit Wert 1000 im LAN
    drucke broadcasting und neue Zeile
  warte 5 Sekunde(n)
```

The script on the left is a Scratch script for a CyberPi. It starts with a 'when CyberPi gestartet wird' (when CyberPi is started) event block. This is followed by a 'setze die Druckgröße auf klein' (set print size to small) block, a 'Verbindung zu Wi-Fi MBotAccess Passwort makeblock' (connect to Wi-Fi MBotAccess with password makeblock) block, and a 'warte bis Netzwerk verbunden?' (wait until network is connected) block. Then, it prints 'AP connected' and a new line. A 'wiederhole fortlaufend' (repeat forever) loop follows, containing a 'Broadcast-Nachricht message mit Wert 1000 im LAN' (broadcast message with value 1000 on LAN) block and a 'drucke broadcasting und neue Zeile' (print broadcasting and new line) block. The loop is terminated by a 'warte 5 Sekunde(n)' (wait 5 seconds) block.



```
when receiving message broadcast on LAN
  drucke got message und neue Zeile
  wenn LAN Broadcast message Wert erhalten = 100, dann
    drucke Wert erkannt und neue Zeile
```

The script on the right is a Scratch script for receiving a broadcast message. It starts with a 'when receiving message broadcast on LAN' (when receiving message broadcast on LAN) event block. This is followed by a 'drucke got message und neue Zeile' (print got message and new line) block. Then, there is a 'wenn LAN Broadcast message Wert erhalten = 100, dann' (if LAN Broadcast message value received = 100, then) conditional block. Inside this block, there is a 'drucke Wert erkannt und neue Zeile' (print value recognized and new line) block.