

## State machine

## Interrupt/ response

## Mighty Gecko (EM3)

## LEUART0

State\_Var = 0 (start state)  
Data\_Var = 0 (holds data to write)  
bytes\_sent = 0  
data\_len = length(data)  
available = true

Initialize LEUART  
w/ init struct

State\_Var = 0

available = false

Write Data

State\_Var = 1

STOP

State\_Var = 2

available = true

Block Sleep mode

Enable TXBL interrupt

TXBL

TXBL

Send data[bytes\_sent] (1 byte)

bytes\_sent++  
if bytes\_sent != data\_len

TxBL

Disable TxBL

Enable TXC (done transmitting)

TXC

TXC

Disable TXC

unblock Sleep mode

(EM3)

## Write Flowchart