Matlab to Matlab

Open port to UART bridge

Use s.writeline() to send a message

```
s.writeline("Hello World");
```

Use s.readline() to read a message

```
data = s.readline()

data =
"100,20,4"
```

Pico to Matlab

Open port to pico

Use s.writeline() to send a message to pico

```
s.writeline("Hello I am a computer!");
```

Use s.readline() to read message from pico

```
data = s.readline()
```

Use s.readline() to read message from pico and modify the message

```
rxmsg = s.readline()

rxmsg =
    "100,20,4
    "
items = 3x1 string
    "100"
    "20"
    "4"

items = split(rxmsg,',') % string array
values = arrayfun(@str2num,items) % apply function to each element in array

values = 3x1
    100
    20
    4
```

Use s.readline() to read message from pico

Create message with formatted print sprintf()

```
var1 = sqrt(3);
var2 = 5;

msgrx =
'1.732051,5'

msgrx = sprintf('%f,%d',var1,var2) % format data into string or character vector
s.writeline(msgrx)
```