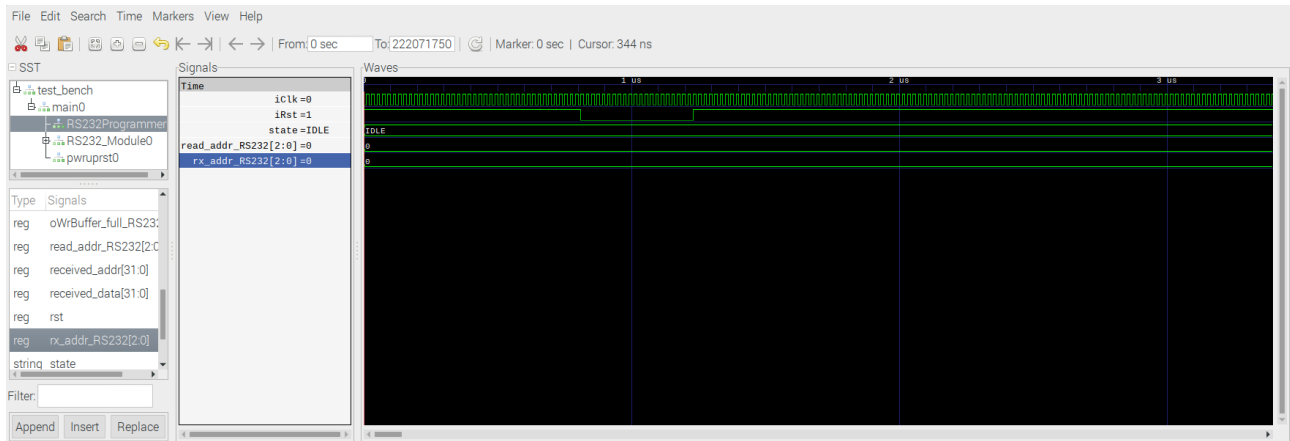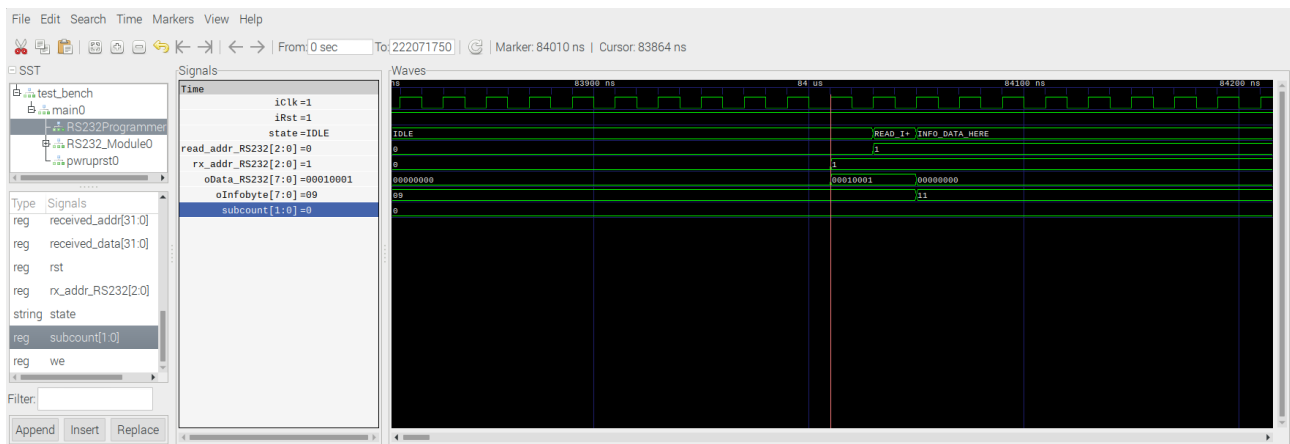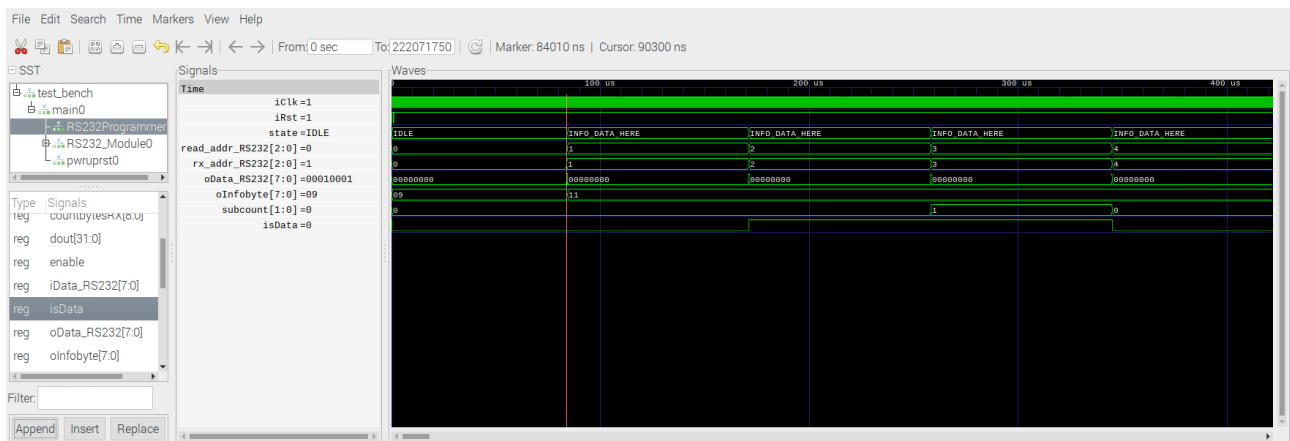iRst goes lo
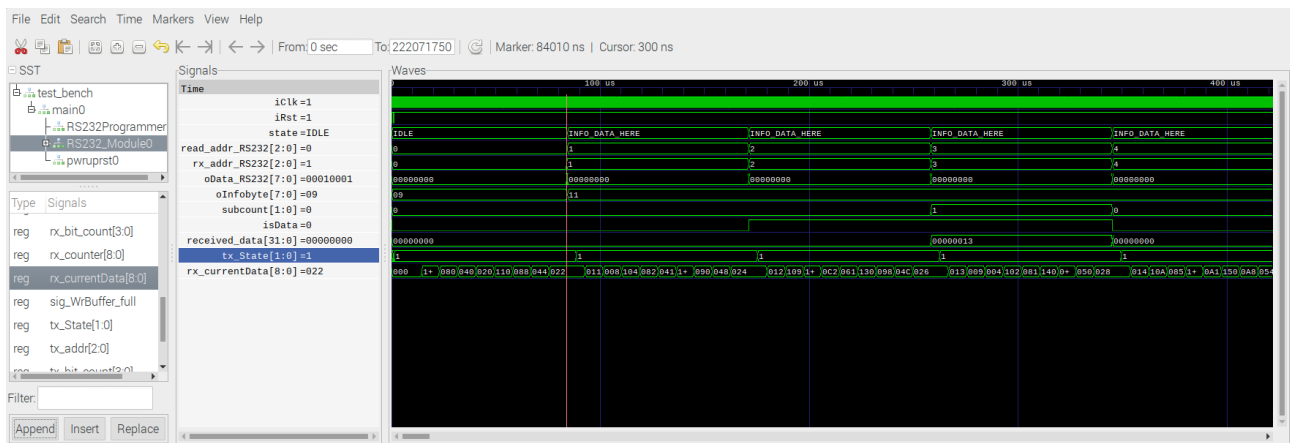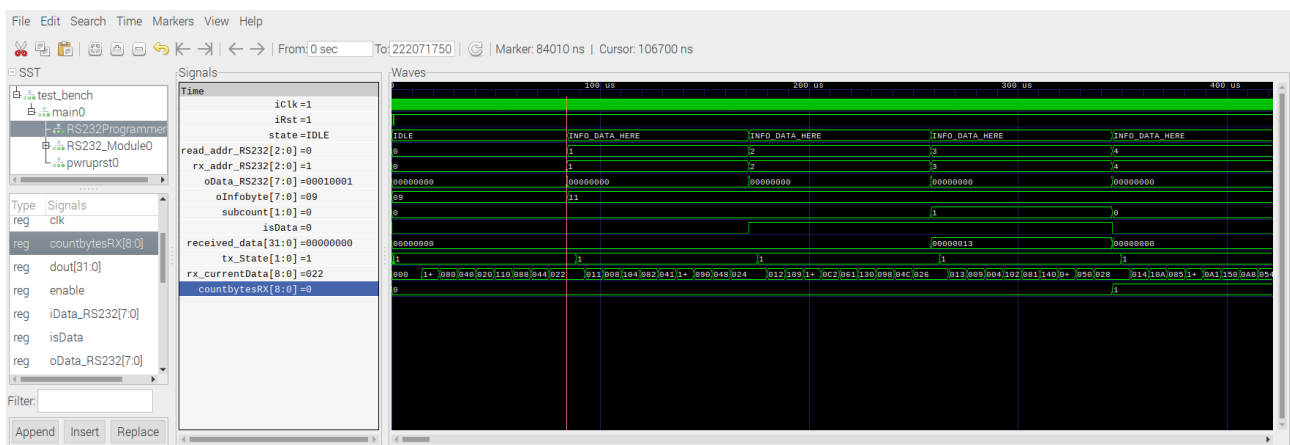

if ((rx_addr != read_addr)) begin

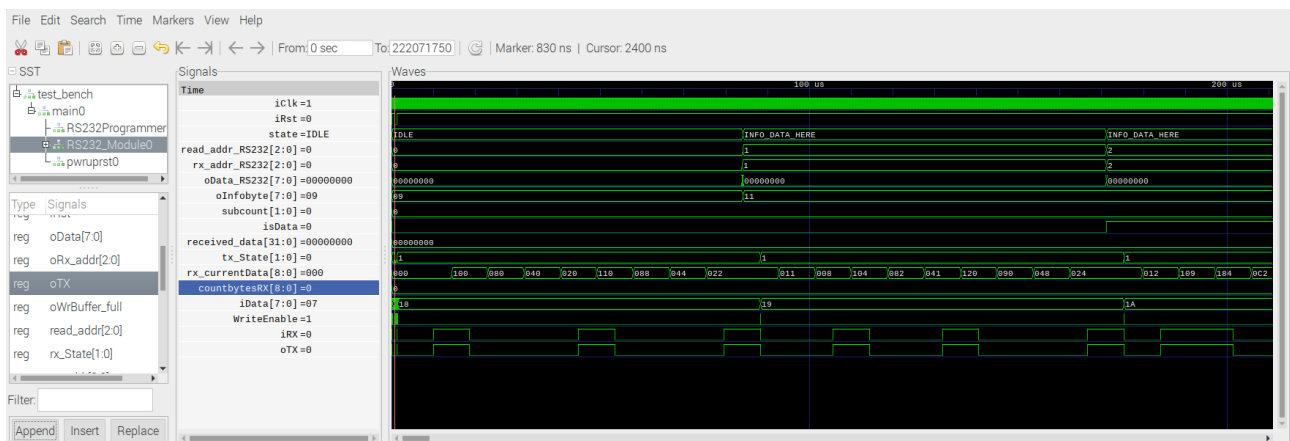if (RS232Programmer0_isData) begin

xxx

XXX

Functions in test_bench

```
@always_comb
def rs232loopback():
    iRX.next=oTX
```
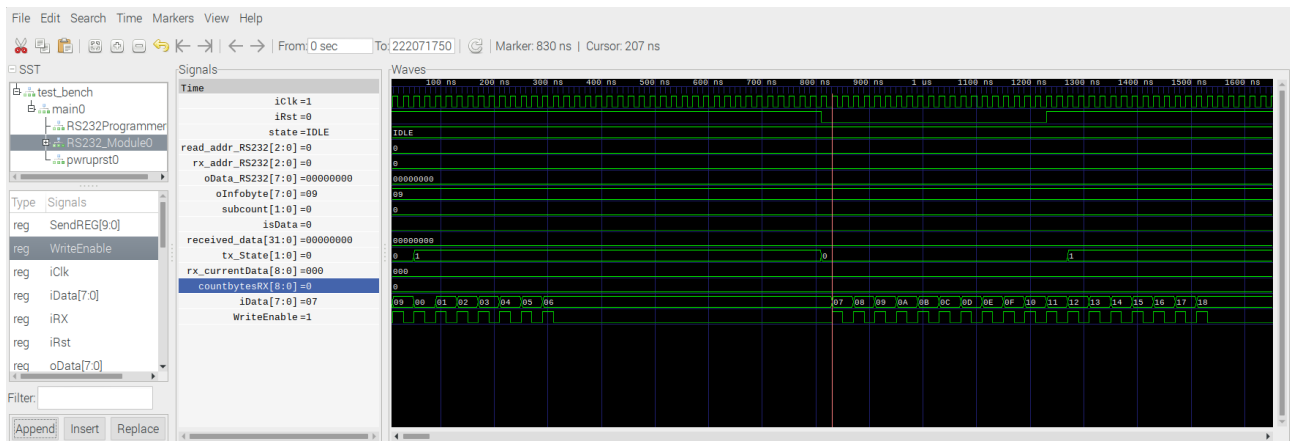
```python
def Write_to_rs232_send_buffer(value):
    yield iClk.posedge
    while oWrBuffer_full:
        yield iClk.posedge
    iData.next=value
    if oWrBuffer_full:
        print "Value:",value,"\tNot written, RS232 Transmittbuffer has indiciated to be allready full. (by oWrBuffer_full)"

    WriteEnable.next=1
    yield iClk.posedge
    WriteEnable.next=0
```



```python
def TestTransmitReceive(testARRAY):
    #### Write some Bytes to the Sendbuffer #####
    for data in testARRAY:
        yield Write_to_rs232_send_buffer(data)

    for i in range(int(Clk_f/BAUDRATE)*10*(RX_BUFF_LEN+3))
        yield iClk.posedge
```