HK2
UCR CS 122A
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1. Write a software UART in RIMS that transmits 8 bits, no parity, LSB first, 1 start bit of 0, stop bit is 1, transmitting at the rate of 1 bit per 300 ms (outrageously slow, for learning purposes only). Only write the transmit portion, not receive. You figure out how a normal synchSM will interface with your software UART, making sure to still follow PES methodology.

2. Update your software UART to send a 9th bit representing even parity.

3. Write a software SPI master send interface.

(You are "bit banging" above). For each problem, send the number 39 as a binary number, and run on RIMS. For each problem, submit your C code, a timing diagram, and a brief text explanation including any assumptions you made.