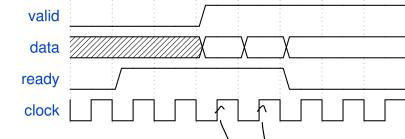
Interfaces

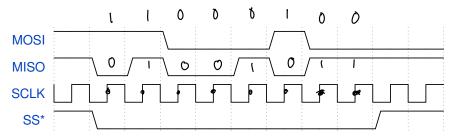




Mark the clock edges where data is transferred.

data transferred here
(only when valid & Mady
both asserted).

Exercise 2:



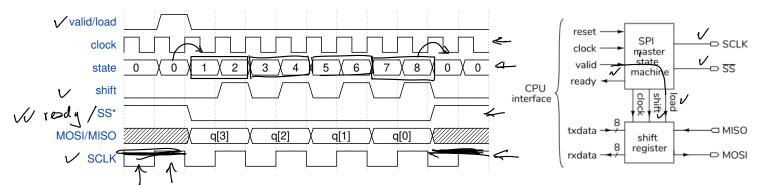
asserted).

$$= 8d 196$$
 $MISO: (to moster)$
 $8'b 01001011$
 $= 8'd 75$

8/6/160 0100

MOSI: (to slove)

Exercise 3:



SCLK

Based on the diagram above, write a state transition table for an SPI interface controller that transfers four bits at a time. Include an idle state. In which states are **SCLK** and SS asserted?

logic state [5:0];
assign = CLK = ! state[0]; assign = state==0; assign load = valid;
assign 00 d = 10/6d;
Soitt - State == 1
assign $Shift = State = 2$ $11state = = 411$
25519N resdy = SS_M;
always-ff @(poselyeck)
ctale Vesell
109 OK AGUA.
state = = 8 ?0:
state +1;