Lab5 ~~State~~ Block Diagram

btn_L
btn_R
PS2_DATA
PS2_CLK

C/L

next_nums
next_LED
next_noi
next_price
next_pay

DFF

nums
LED
noi
price
pay

clk

---

nums[15:0]

4

16

4

4

4

DFF → DFF → DFF → DFF

decoder

7

display

display_num

1'b1

noi
4

price
8

pay
8

noi≥1

comparators

pay≥price

BUY

CHANGE

1
0

next_state

---

noi
4

price
8

pay
8

Divider

8 bought

8 back