Tuesday, September 15, 2020 8:30 AM

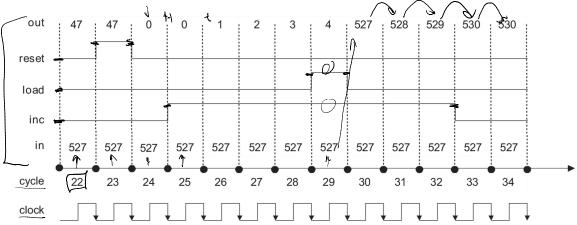
Pre Game

• Only need to build custom RAM up to RAM64 -- can use logism's built in after that

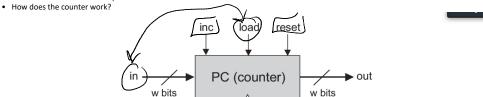
Student Comments

• How to read in(t) = out(t) function notation owC16 in C16] 000000 0000000 0000000 رينونون

· Diagram at back of chapter is confusing



· When to choose between sequential and combinatorial



Chip name: PC // 16-bit counter Inputs: in[16], inc, load, reset

Outputs: out[16]

Function: If reset(t-1) then out(t)=0

else if load(t-1) then out(t)=in(t-1)

else if inc(t-1) then out(t)=out(t-1)+1

else out(t)=out(t-1)

Comment: "=" is 16-bit assignment.

"+" is 16-bit arithmetic addition.

```
#find max value of two numbers
0 [RST] - Int num1 = 0;
1 [INC] - Int num2 = 0;
2 [INC] - String response = "";
3 [INC] - Cin >> num1;
4 [INC] - Cin >> num2;
5 [LD / INC] - If(num1 > num2)
6 [LD ]-
           cout << num1;
.
Else
  [INC] - cout << num2;
8 [INC] - cout << "done.";
```