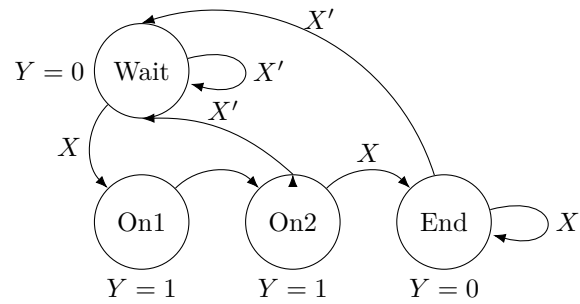


# VE270 Homework 7

Liu Yihao 515370910207

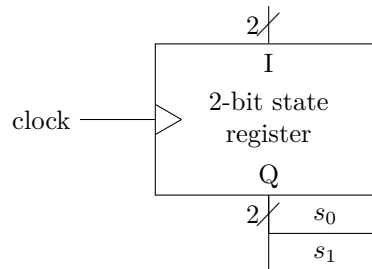
## Problem 1.

Inputs:  $X$ ; Outputs:  $Y$

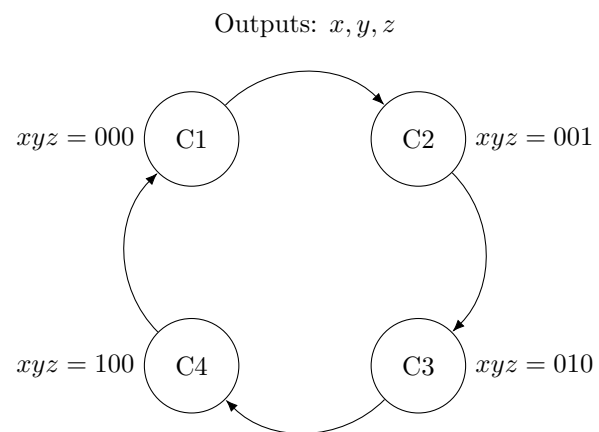


## Problem 2.

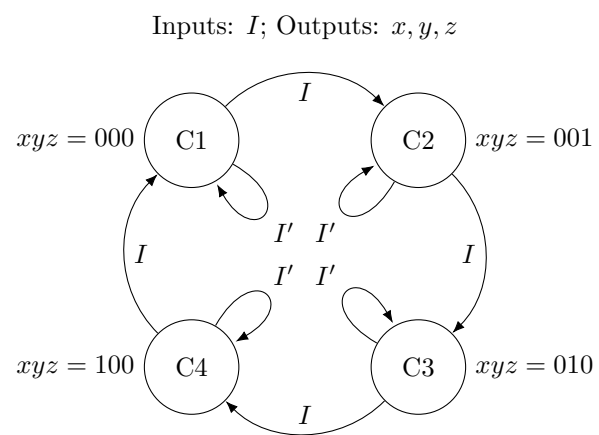
Encode the states ( $s_1s_0$ ): Wait: 00, On1: 10, On2: 11, End: 01.



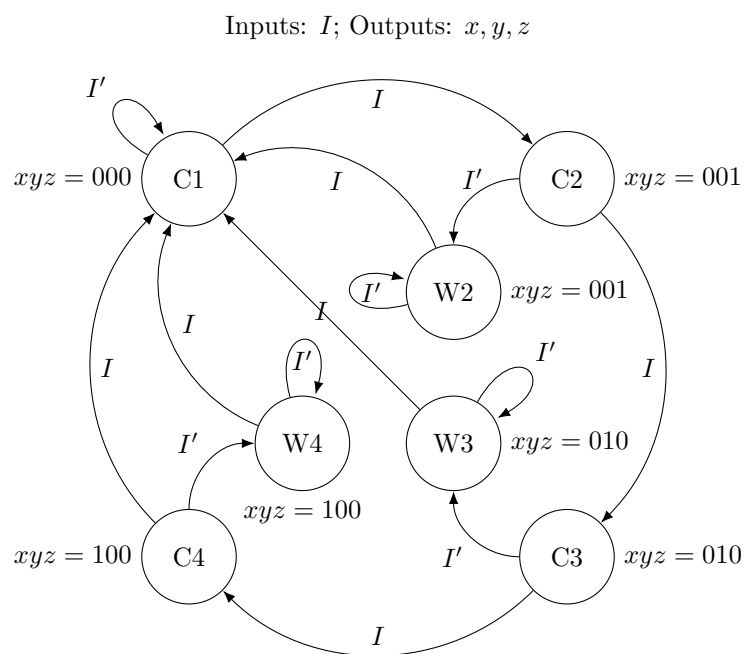
### Problem 3.



### Problem 4.



# Problem 5.



**Problem 6.**

**Problem 7.**

Inputs:  $B$ ; Outputs:  $s_1, s_0$

