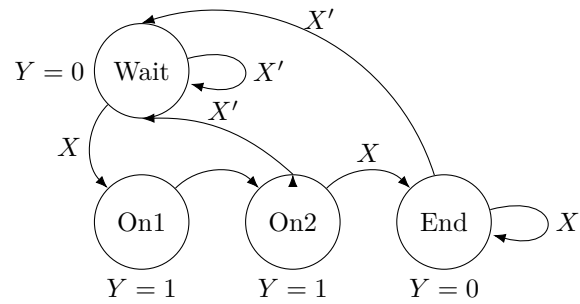


# VE270 Homework 7

Liu Yihao 515370910207

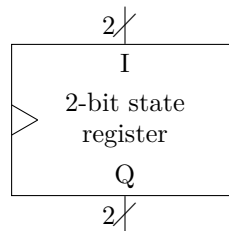
## Problem 1.

Inputs:  $X$ ; Outputs:  $Y$

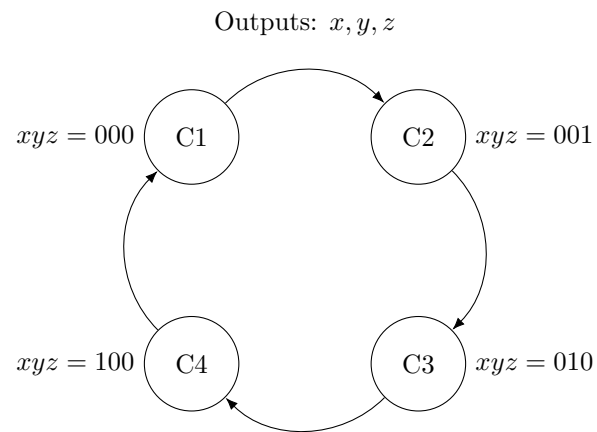


## Problem 2.

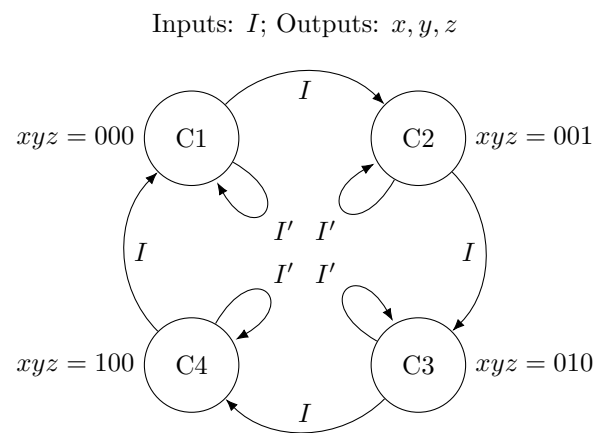
Encode the states: Wait: 00, On1: 01, On2: 10, End: 03.



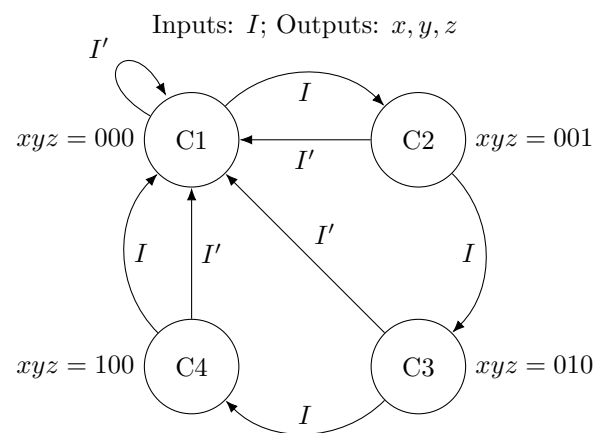
### Problem 3.



### Problem 4.



### Problem 5.



Problem 6.

Problem 7.

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

