

Name _____

Box _____

Due date: Thursday April 5

ECE130

Homework #12
(Hazard)

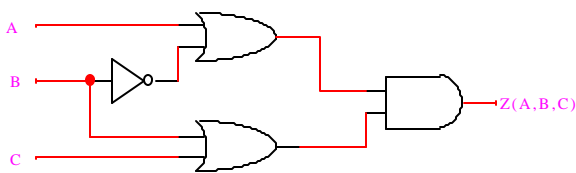
Spring 2001

1 How many Static-1 hazards are there in the following implementation of the K-map?

How do you propose to remove them?

		AB			
		00	01	11	10
CD	00	0 1	4 1	12 1	8 0
	01	1 0	5 0	13 1	9 0
	11	3 1	7 0	15 1	11 0
	10	2 1	6 0	14 1	10 1

2 Find if the following circuit has a hazard. If there is one, identify its type and redesign the circuit to remove it.



		AB			
		00	01	11	10
C	0	0	2	6	4
	1	1	3	7	5