Pre-Lab 4

Name: Chhay Lay Heng

Class : CS 4141.115

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## Problem 1. DFF Flip Flop Truth Toble

	Inpi	Output			
PRESET	CLEAR	Clock	D	Q	Q'
0	1	×	×	1	0
1	O	×	×	0	1
0	0	X	×	×	X
1	1	1	1	1	0
1	1	<b>↑</b>	0	0	1
1	1	0	×	Q <sub>o</sub>	Q' <sub>s</sub>
				1	O

## Problem &. JK Flip Flop Truth Table

	Inpu	Outpu	Output			
	·	,				
Clear	Clock	J	K	Q	Q'	
0	X	×	×	1*	1*	
1	<b></b>	0	0	Q <sub>o</sub>	Q' <sub>o</sub>	
1	<b></b>	0	1	O	1	
1	<b>↓</b>	1	0	1	0	
1	$\downarrow$	1	1	Q'	Q <sub>o</sub>	
1	$\downarrow$	×	×	Q <sub>o</sub>	Q' <sub>s</sub>	
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