## ECS 154A Homework 4

Hardy Jones 999397426 Professor Nitta Fall 2013

1. Implement the following D flipflop as a JK flipflop.

D

		QX				
		00 01 11 10				
YZ	00		1	0	0	1
	01		1	1	1	0
	11		1	1	1	1
	10		0	1	0	0

J

$$J=Z+\overline{X}\ \overline{Y}+XY$$

Κ

$$K = X\overline{Z} + Y\overline{Z} + \overline{X}\ \overline{Y}Z$$