* Excitation equations: Date . . . No.

$J_1 = q_2 + q_3$ $\quad J_3 = \bar{q_1} \bar{q_1} \bar{q_2}$

$K_1 = 1$ $\quad K_3 = J_3$

$J_2 = \bar{q_1}$ $\quad J_2 = K_2 = \bar{q_1}$

$K_2 = \bar{q_1}$ $\quad J_3 = K_3 = \bar{q_1} \bar{q_2}$

* Excitation Table:

$q_1 q_2 q_3$	$J_1 K_1$	$J_2 K_2$	$J_3 K_3$
000	01	11	11
001	11	11	11
010	11	11	00
011	11	11	00
100	01	00	00
101	11	00	00
110	11	00	00
111	11	00	00

* Transition table:

$q_1 q_2 q_3$	$Q_1 Q_2 Q_3$
000	011
001	110
010	100
011	101
100	000
101	001
110	010
111	011

Date . . No.....

* The state diagram