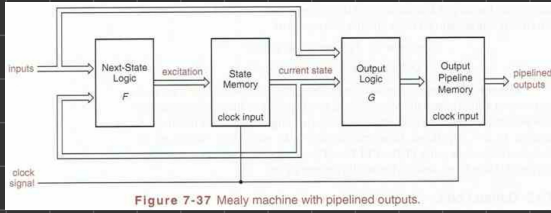


P. 545 manuel

Device Type	Characteristic Equation
S-R latch	$Q^* = S + R' \cdot Q$
D latch	$Q^* = D$
Edge-triggered D flip-flop	$Q^* = D$
D flip-flop with enable	$Q^* = EN \cdot D + EN' \cdot Q$
Master/slave S-R flip-flop	$Q^* = S + R' \cdot Q$
Master/slave J-K flip-flop	$Q^* = J \cdot Q' + K' \cdot Q$
Edge-triggered J-K flip-flop	$Q^* = J \cdot Q' + K' \cdot Q$
T flip-flop	$Q^* = Q'$
T flip-flop with enable	$Q^* = EN \cdot Q' + EN' \cdot Q$



P. 544 manuel

$$\text{Next state} = F(\text{current state, input})$$

$$\text{Output} = G(\text{current state, input})$$

State Name	Assignment			
	Simplest Q1-Q3	Decomposed Q1-Q3	One-Hot Q1-Q5	Almost One-Hot Q1-Q4
INIT	000	000	00001	0000
A0	001	100	00010	0001
A1	010	101	00100	0010
OK0	011	110	01000	0100
OK1	100	111	10000	1000

P. 562 manuel

A B						
Q1 Q2 Q3	00	01	11	10	Z	
000	100	100	101	101	0	
100	110	110	101	101	0	
101	100	100	111	111	0	
110	110	110	111	101	1	
111	100	110	111	111	1	
D1 D2 D3						

P. 564 manuel

graph d'état



Chronogramme

dessin en fonction du temps

Bascule D

