6.14. Any number of 5-variable functions can be implemented by using two 4-LUTs. For example, if we cascade the two 4-LUTs by connecting the output of one 4-LUT to an input of the other, then we can realize any function of the form

$$f = f_1(w_1, w_2, w_3, w_4) + w_5$$
$$f = f_1(w_1, w_2, w_3, w_4) \cdot w_5$$

8.12. A minimum state table is shown below. We assume that the 3-bit patterns do not overlap.

Present state	Next state		Output p
	$w = 0$	$w = 1$	
A	B	C	0
B	D	E	0
C	E	D	0
D	A	F	0
E	F	A	0
F	B	C	1