8.6

a) Min =
$$2^{1} = 2^{1}$$

b) Min =
$$2^{j} = 8$$

Max - $2^{j} = 8$

e) Min = 0
Max =
$$3^{1}.3^{1} = 256$$

d) Min = 1

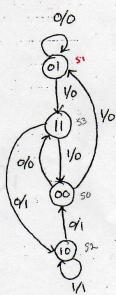
$$Max = min(a^{k}, 2^{k}) = 232$$

k 87

$$Q_{A}^{\dagger} = \overline{Q}_{A} + \overline{T}Q_{A} = \overline{Q}_{A} + \overline{Q}_{B} = \overline{Q}_{A} + \overline{Q}_{B} = \overline{Q}_{A}$$

$$Z = \overline{(IQ_{B})} Q_{A}$$

(DA_	QB	I	Q _A	Q'E	2		
	0	0.	0	1	1	0		
	0	0	á.	Ö	1	0		
	0		6	0.	137	0		
	0	1	210	1	8 LX	0		
	T	0	0	0	0.	1		
	1	0	1	1.	0	1		
	17	- N	0		0	1		
		(1) K	1	0	0	0		
						30.0		



,, 0

94 8:14

Z₁=1 When sequence 101 Z₂=1 When sequence 011

Once Z==1, Z=1 Can rever occur

