1502 Assig2

Jack Veith

1. a) A=(Q, E, 6, e., F)

 $6 = 1 \quad \{1,2\} \quad \{2\} \quad Z \quad \emptyset \quad \{1\}$ 

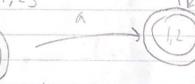
b) Appa = (Q', E, S', 4', F')

Q= {P, {13, {23, {1,2}}} \ \ \ \ = {a, 63}

4, = { { 1} } F = { { 1} } { 1,23}

Ø {1,2}

()



29,6

d) B=(Q, E, 6, e, F)

1) contd. >

## 1502 Assig 2 Veith

PZ

-

0

1) d contd)	6	9	b &	
5 =	1	£ 33	Ø E 23	
11/1	2	€13	ØØ	
	3	{2}	{2,3} Ø	

	1111				
5 =	8	4	Ь	1	
	0	Ø	Ø		
	€13	22,33	{ 23		
	£ 23	513	Ø		
	233	{ 23	{2,3}		
	81,23	{1,2,3}	223		
	42,33	81,23	{2,33		
	81,33	\$2,33	{2,33		
	£ 1,2,33	81,2,33	{2,3}		
		The second secon	and the second second	1	

p4

3

a. 00 E\* 11

b. Z\*0 E\*0 E\*

C. Z\*0011 Z\*

d. 215

e,  $(O(\Sigma\Sigma)^*)U(I\Sigma(\Sigma\Sigma)^*)$ 

f. (E\*0 E\*1 E\*1 E\*) U(E\*1 E\*0 E\*1 E\*) U(E\*1 E\*1 E\*0 E\*)

9. IUZEUZZEUZZEE

h. 1\* (01+)\*

i. (OE)X

(\*00\*00\*10\*)v(\*00\*10\*00\*)v(0\*10\*00\*0)

K. EUO

1. (0\*10\*10\*) U(00)\*

m. Ø

n It