

Jason Ivey - Sep, 9th

3.6.3:

1: 0 a 1 a 2 b 2 b 3

2: 0 a 1 a 2 b 2 b 2

3: 0 a 1 a 1 b 1 b 1

4: 0 a 0 a 1 b 1 b 1

5: 0 a 0 a 0 b 0 b 0

6: 0 a 1 a 2 b 2 b 0 b 0

7: 0 a 1 a 2 b 0 b 0 b 0

Yes, this
will take
"aabb"

3.6.5: \hookrightarrow 3.6.4 \hookrightarrow a) 3.6.3

	a	b	ϵ		a	b	ϵ
0	1	\emptyset	3	0	0,1	0	\emptyset
1	\emptyset	2	0	1	1,2	1	\emptyset
2	\emptyset	3	1	2	2	2,3	0
3	0	\emptyset	2	3	\emptyset	\emptyset	\emptyset

3.6.4:

0 a 1 ϵ 0 a 1 b 2 b 3

0 ϵ 3 a 0 a 1 b 2 b 3

0 a 1 ϵ 0 a 1 b 2 ϵ 1 b 2

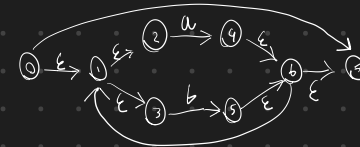
0 a 1 ϵ 0 a 1 b 2 ϵ 1 ϵ 0 ϵ 3 ... ∞

Yes!

This accepts
aabb

3.7.3

a)



NFA	DFA	
0123 \neq	A	$a \Rightarrow B$
12356 \neq	B	$b \Rightarrow C$
12346 \neq	C	

