Exercise 3.6.3 : For the NFA of Fig. 3.29, indicate all the paths labeled *aabb*. Does the NFA accept *aabb*?

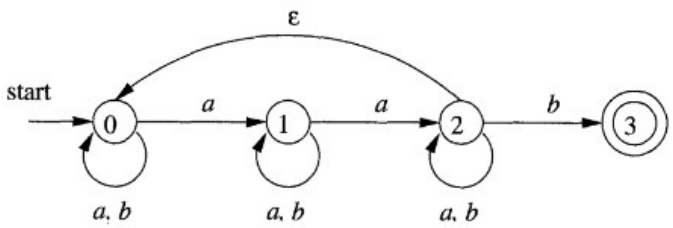

Figure 3.29: NFA for Exercise 3.6.3

The NFA accepts *aabb*. (0-1-2-2-3)

Combinations = 16 combinations

Transition table:

STATE	a	b	ε
0	0,1	0	N/A
1	1,2	1	N/A
2	2	2,3	0
3	N/A	N/A	N/A

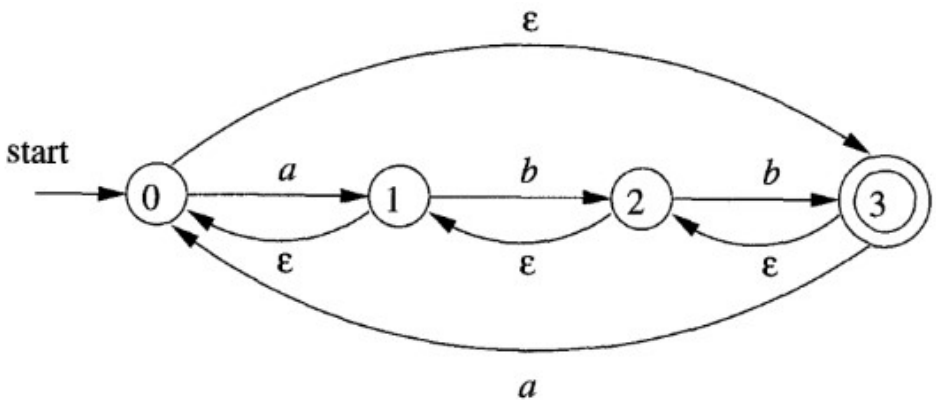

Figure 3.30: NFA for Exercise 3.6.4

The NFA does not accept *aabb*.

Transition table:

STATE	a	b	ε
0	1	N/A	3
1	N/A	2	0
2	N/A	3	1
3	0	N/A	2