

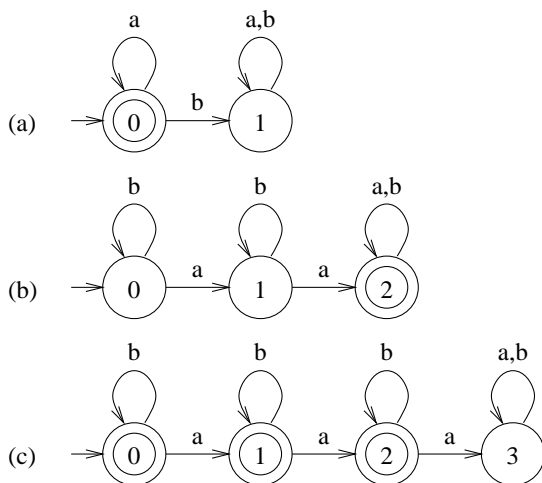
Automata Theory: Solutions 4

								X	X
								X	X
					X			X	X
					X			X	X
					X			X	X
					X			X	X
					X			X	X
					X		X	X	X
			X		X		X	X	X
			X		X		X	X	X
		X	X		X	X	X	X	X
	X	X	X	X	X	X	X	X	X
<hr/>									
	2	3	4	5	6	7	8	9	10
number of homeworks									
grades									

Problem 1

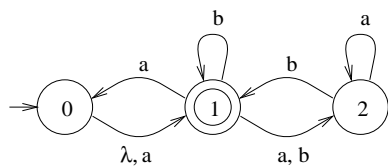
For each of the following three languages, draw a DFA that accepts it:

- (a) All strings that have no b 's (note that it includes λ).
- (b) All strings with at least two a 's and any number of b 's.
- (c) All strings with at most two a 's and any number of b 's.



Problem 3

Draw a DFA that is equivalent to the following NFA:



An equivalent deterministic accepter is as follows:

