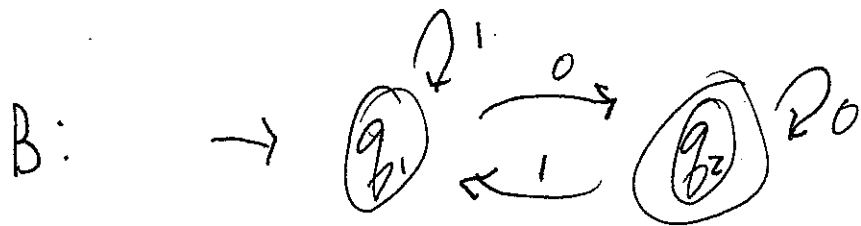


Concrete example for DFA

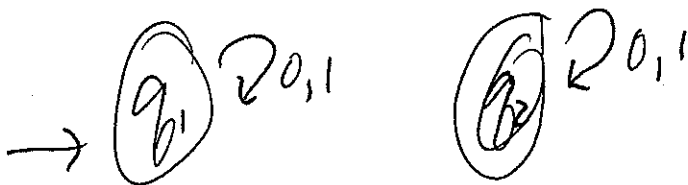


w: 1101

potential representation of B:

#	1, 2	#	2	#	0, 1	#	...
	<u> </u>		<u> </u>		<u> </u>		<u> </u>
	states		accept		Σ		etc.
			states				

another example for E DFA



Chomsky Normal Form Example

$$S \rightarrow ZA$$

$$Z \rightarrow 0$$

$$A \rightarrow WW$$

$$W \rightarrow 1$$

example derivation for 011

length = 3

$$S \rightarrow ZA$$

$$\rightarrow OA$$

$$\rightarrow OWW$$

$$\rightarrow O1W$$

$$\rightarrow O11$$

$2(3) - 1$

steps

NW # 5, Problem 4

b b 0 0 # ...

↑

start

b b b 0 0 # ...

↑

finish

sample transition: $S(q_i, \#) \rightarrow (q_{next}, \#, A)$