

Justin Li
Dr. Krehbiel
CSCI 161
10/1/20

HW 2

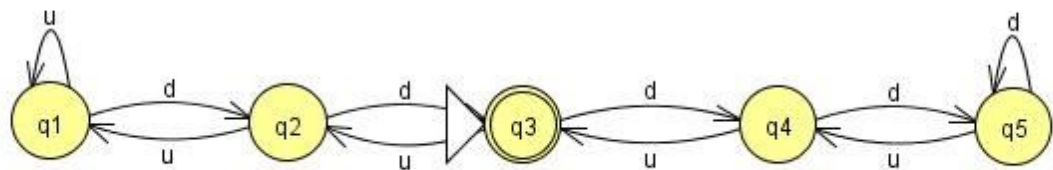
0) I worked with Carlo Bilbao, another student in the class, on this homework assignment. We talked about the questions together, what each one is asking for, and how to best solve them.

6) $N = (\{q_0, q_1, q_2, q_3, q_4, q_5, q_6, q_7\}, \{0, 1\}, \delta', q_0, \{q_6, q_7\})$
where δ' corresponds to the following table:

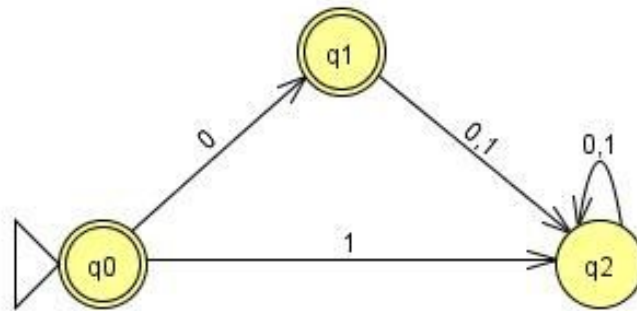
	0	1	ϵ
q_0	$\{q_1\}$	$\{q_2\}$	\emptyset
q_1	$\{q_6\}$	$\{q_3\}$	\emptyset
q_2	$\{q_3\}$	$\{q_4\}$	\emptyset
q_3	$\{q_6\}$	$\{q_5\}$	\emptyset
q_4	$\{q_5\}$	$\{q_7\}$	\emptyset
q_5	$\{q_6\}$	$\{q_7\}$	\emptyset
q_6	$\{q_6\}$	$\{q_6\}$	\emptyset
q_7	$\{q_7\}$	$\{q_7\}$	\emptyset

Diagrams:

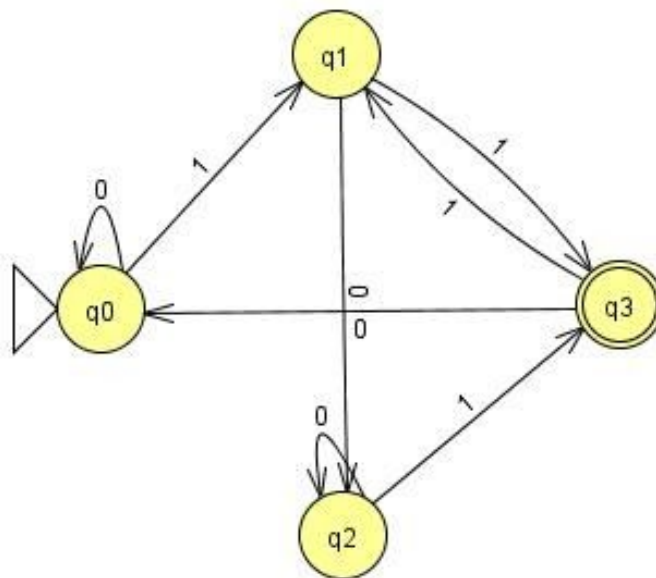
2-1



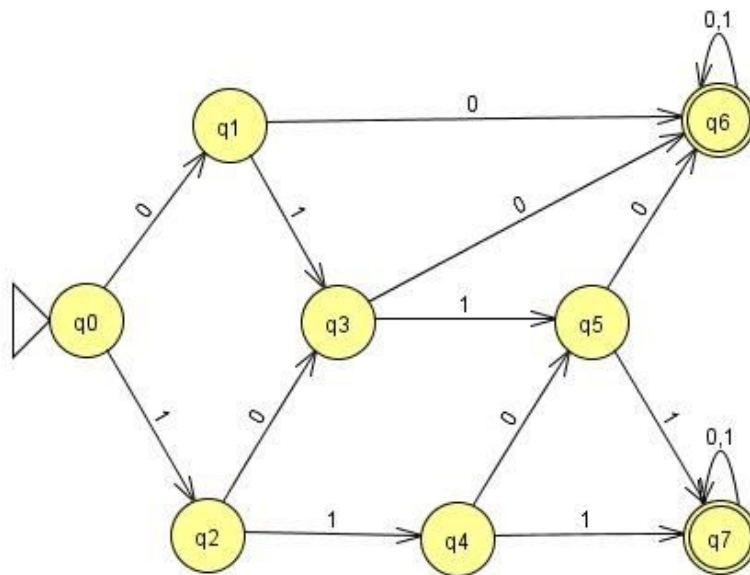
2-2



2-3



2-4



2-5

