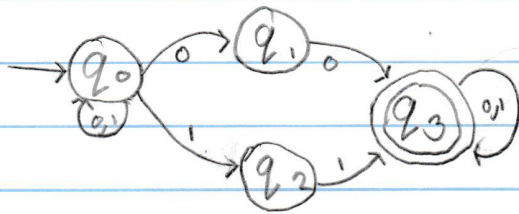


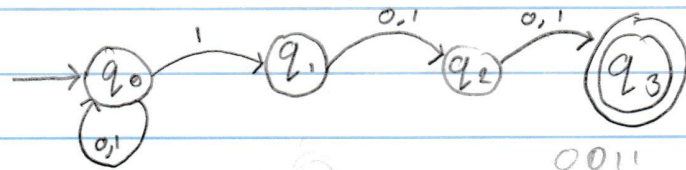
# HW 03

Thatcher Rickettsen - Comp 4 200

1.1)

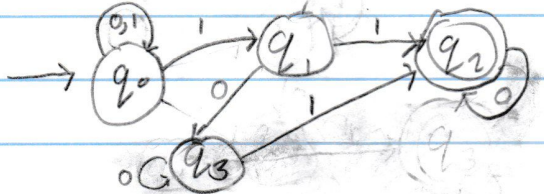


1.2)



0000  
0001 0100 0111 1010  
0010 0101 1000 1011  
0011 0110 1001 1100

1.3)



0011

0110

1001

1100

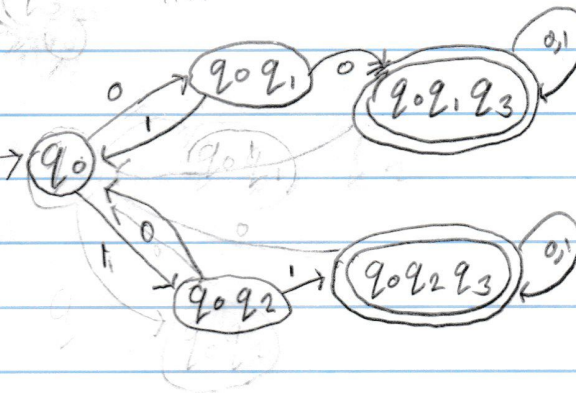
1111

1101 0000 0011 0110 1001  
1110 0001 0100 0111 1010  
1111 10010 10101 11000 11011

2.1)

	0	1
--	---	---

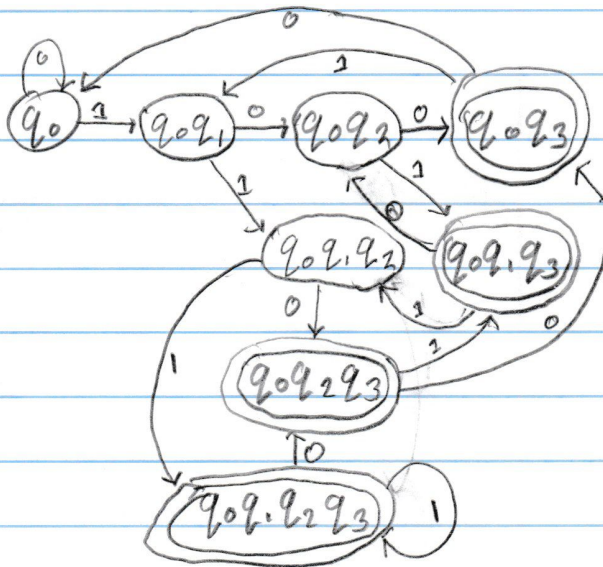
→ q <sub>0</sub>	{q <sub>0</sub> q <sub>1</sub> }	{q <sub>0</sub> q <sub>2</sub> }
{q <sub>0</sub> q <sub>1</sub> }	{q <sub>0</sub> q <sub>1</sub> q <sub>3</sub> }	q <sub>0</sub>
{q <sub>0</sub> q <sub>2</sub> }	q <sub>0</sub>	{q <sub>0</sub> q <sub>2</sub> q <sub>3</sub> }
acc {q <sub>0</sub> q <sub>1</sub> q <sub>3</sub> }	{q <sub>0</sub> q <sub>1</sub> q <sub>3</sub> }	{q <sub>0</sub> q <sub>1</sub> q <sub>3</sub> }
acc {q <sub>0</sub> q <sub>2</sub> q <sub>3</sub> }	{q <sub>0</sub> q <sub>2</sub> q <sub>3</sub> }	{q <sub>0</sub> q <sub>2</sub> q <sub>3</sub> }



2.2)

	0	1
--	---	---

→ q <sub>0</sub>	q <sub>0</sub>	{q <sub>0</sub> q <sub>1</sub> }
{q <sub>0</sub> q <sub>1</sub> }	{q <sub>0</sub> q <sub>1</sub> q <sub>2</sub> }	{q <sub>0</sub> q <sub>1</sub> q <sub>3</sub> }
{q <sub>0</sub> q <sub>2</sub> }	{q <sub>0</sub> q <sub>2</sub> q <sub>3</sub> }	{q <sub>0</sub> q <sub>2</sub> q <sub>3</sub> }
{q <sub>0</sub> q <sub>1</sub> q <sub>2</sub> }	{q <sub>0</sub> q <sub>1</sub> q <sub>2</sub> q <sub>3</sub> }	{q <sub>0</sub> q <sub>1</sub> q <sub>2</sub> q <sub>3</sub> }
acc {q <sub>0</sub> q <sub>3</sub> }	q <sub>0</sub>	{q <sub>0</sub> q <sub>1</sub> }
acc {q <sub>0</sub> q <sub>1</sub> q <sub>3</sub> }	{q <sub>0</sub> q <sub>1</sub> q <sub>2</sub> }	{q <sub>0</sub> q <sub>1</sub> q <sub>2</sub> q <sub>3</sub> }
acc {q <sub>0</sub> q <sub>2</sub> q <sub>3</sub> }	{q <sub>0</sub> q <sub>2</sub> q <sub>3</sub> }	{q <sub>0</sub> q <sub>2</sub> q <sub>3</sub> }
acc {q <sub>0</sub> q <sub>1</sub> q <sub>2</sub> q <sub>3</sub> }	{q <sub>0</sub> q <sub>1</sub> q <sub>2</sub> q <sub>3</sub> }	{q <sub>0</sub> q <sub>1</sub> q <sub>2</sub> q <sub>3</sub> }



23)

	0	1
$\rightarrow q_0$	$q_0$	$q_0q_1$
$q_0q_1$	$q_0q_3$	$q_0q_1q_2$
$q_0q_3$	$q_0q_3$	$q_0q_1q_2$
acc $q_0q_1q_2$	$q_0q_2$	$q_0q_1q_2$
acc $q_0q_2$	$q_0q_2$	$q_0q_1$

