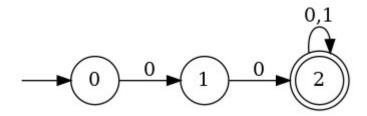
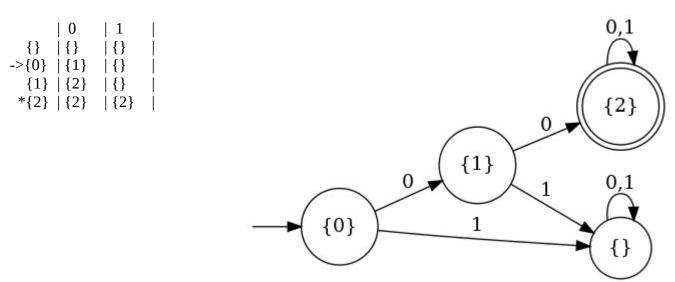
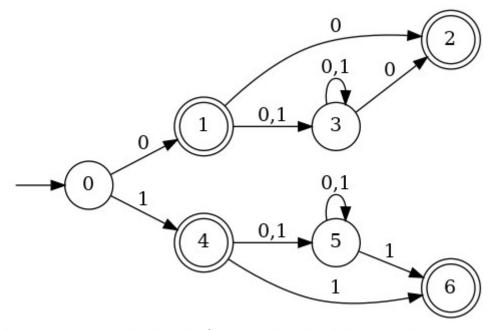
1. Create an NFA that accepts binary strings that start with two 0's.



2. Convert the NFA from question #1 into a DFA.



3. Create an NFA that accepts binary strings which start and end with the same symbol.



Note the edge case, strings with a length of 1 start and end with the same character.

HW1 Answer Key

4. Convert the NFA from question #3 into a DFA.

	0	1	١
	{1}		
*{1}	{2,3}	{3}	
{3}	{2,3}	{3}	
*{4}	{5}	{5,6}	
{5}	{5}	{5,6}	
*{2,3}	{2,3}	{3}	
*{5,6}	{5}	{5,6}	١

