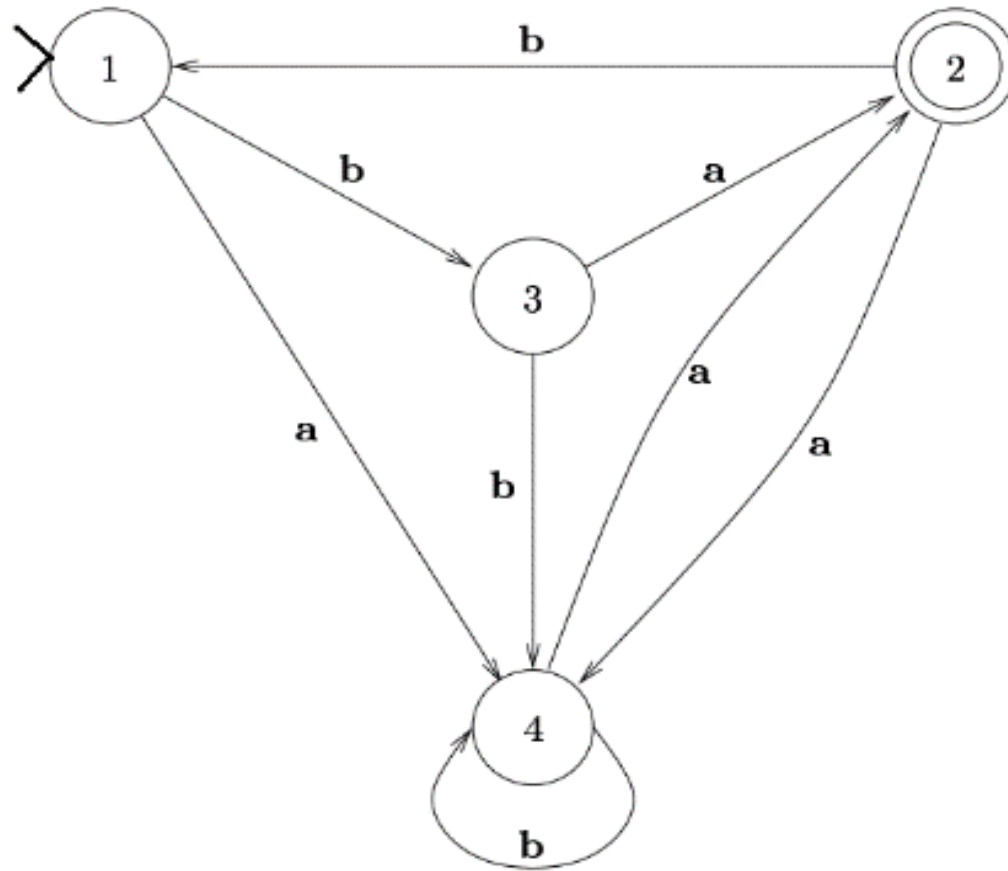


# EXERCISES

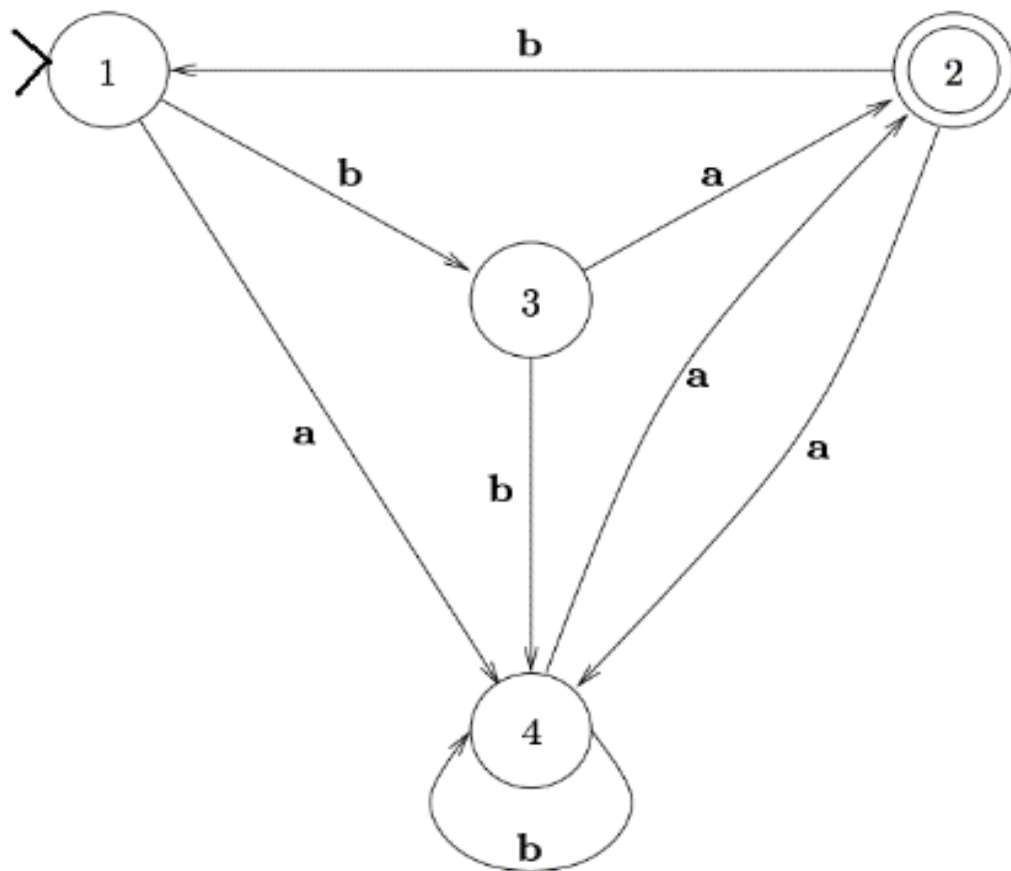
SM

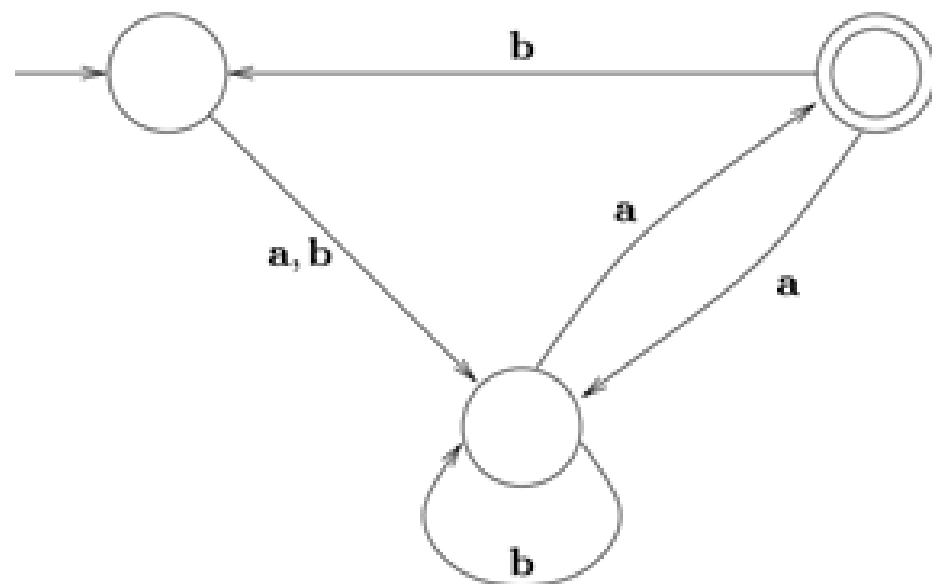
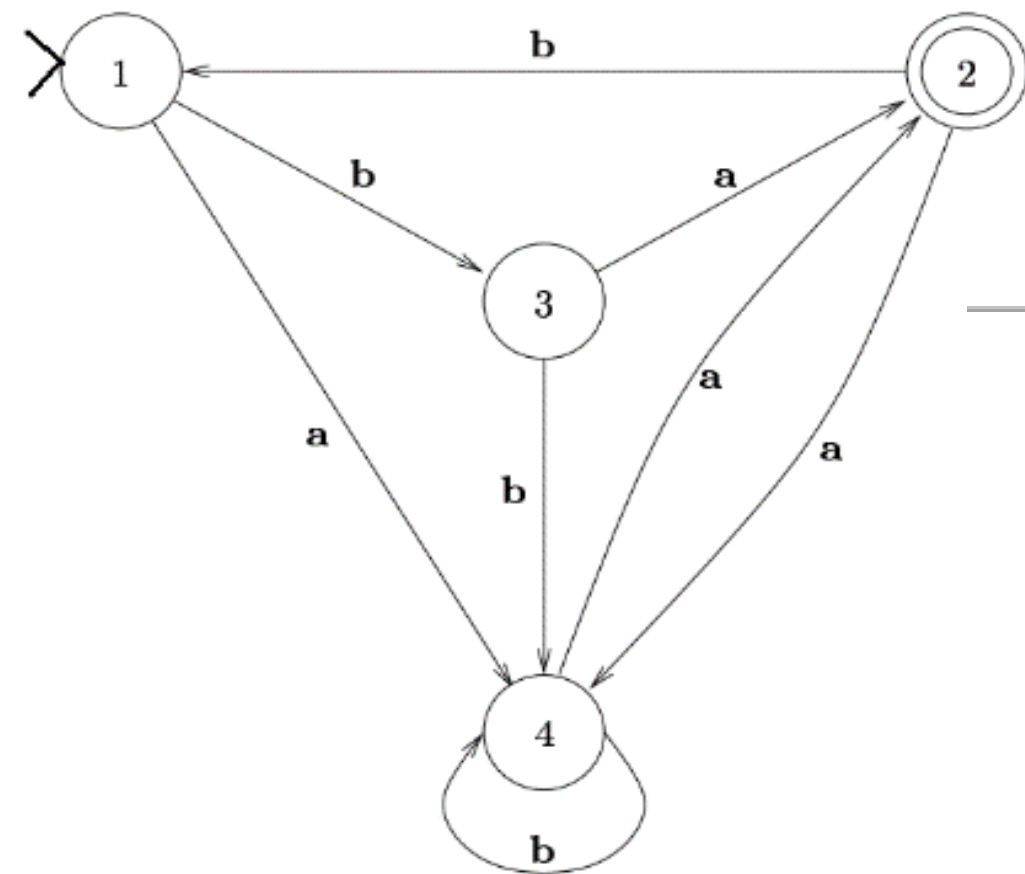
# State-Minimization: Table Filling Algorithm



<b>2</b>			
<b>3</b>			
<b>4</b>			
	<b>1</b>	<b>2</b>	<b>3</b>

<b>2</b>	<b>X</b>		
<b>3</b>	<b>X</b>	<b>X</b>	
<b>4</b>	<b>X</b>	<b>X</b>	
	<b>1</b>	<b>2</b>	<b>3</b>





# State-Minimization: Table Filling Algorithm

Aşağıda verilen DSO'yu tablo yöntemi ile minimize ediniz. Elde ettiğiniz DSO'yu şematik olarak çizin ve denklik sınıflarını durumların içerisinde ( $\{q_i, q_j\}$  vb. şeklinde) gösteriniz.

		a	b
> *	$q_0$	$q_1$	$q_3$
*	$q_1$	$q_2$	$q_3$
	$q_2$	$q_2$	$q_5$
	$q_3$	$q_4$	$q_6$
*	$q_4$	$q_2$	$q_6$
	$q_5$	$q_2$	$q_5$
	$q_6$	$q_7$	$q_3$
*	$q_7$	$q_5$	$q_6$

2						
3						
4						
5						
6						
7						
	1	2	3	4	5	6

Denklik sınıfları:  $\{q_0\}$ ,  $\{q_1, q_4, q_7\}$ ,  $\{q_2, q_5\}$ ,  $\{q_3, q_6\}$

	a	b
$\rightarrow \{q_0\} \text{ F}$	$\{q_1, q_4, q_7\}$	$\{q_3, q_6\}$
$\{q_1, q_4, q_7\} \text{ F}$	$\{q_2, q_5\}$	$\{q_3, q_6\}$
$\{q_2, q_5\}$	$\{q_2, q_5\}$	$\{q_2, q_5\}$
$\{q_3, q_6\}$	$\{q_1, q_4, q_7\}$	$\{q_3, q_6\}$