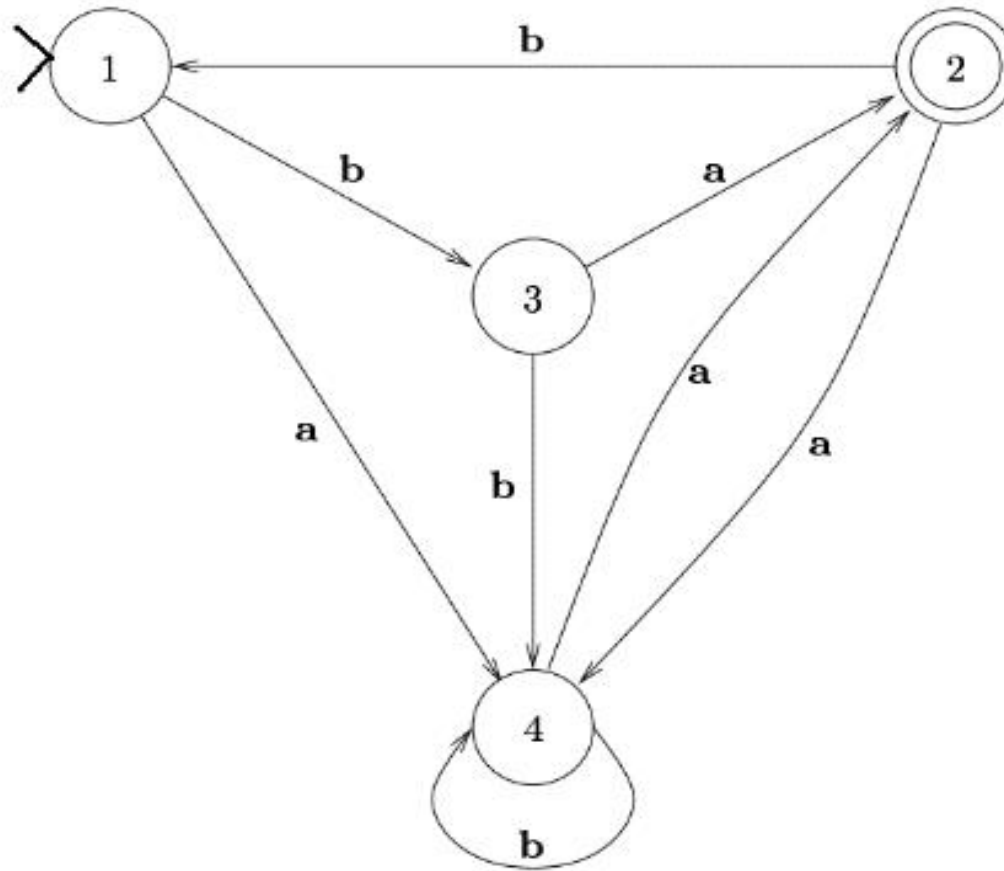


EXERCISES

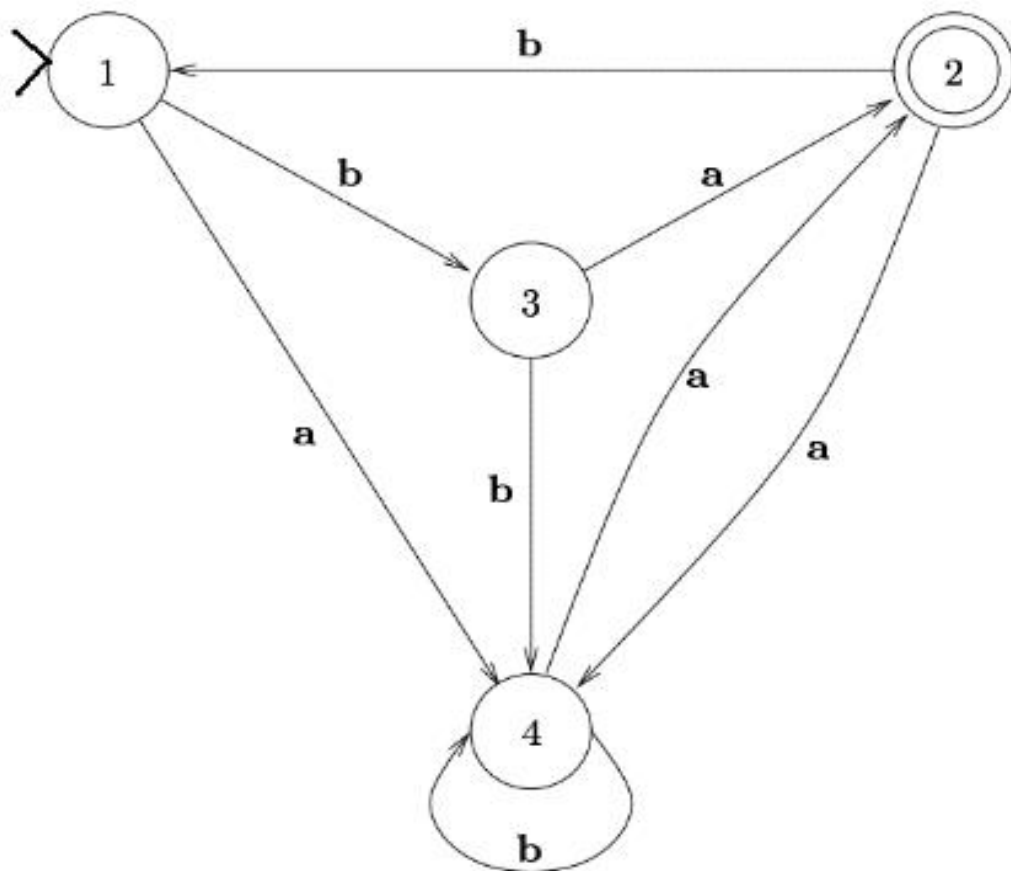
SM

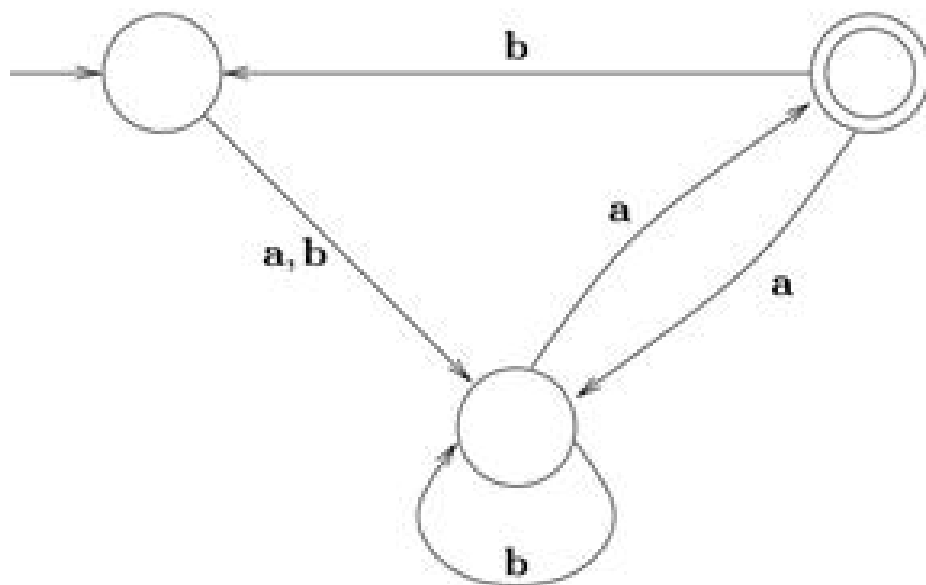
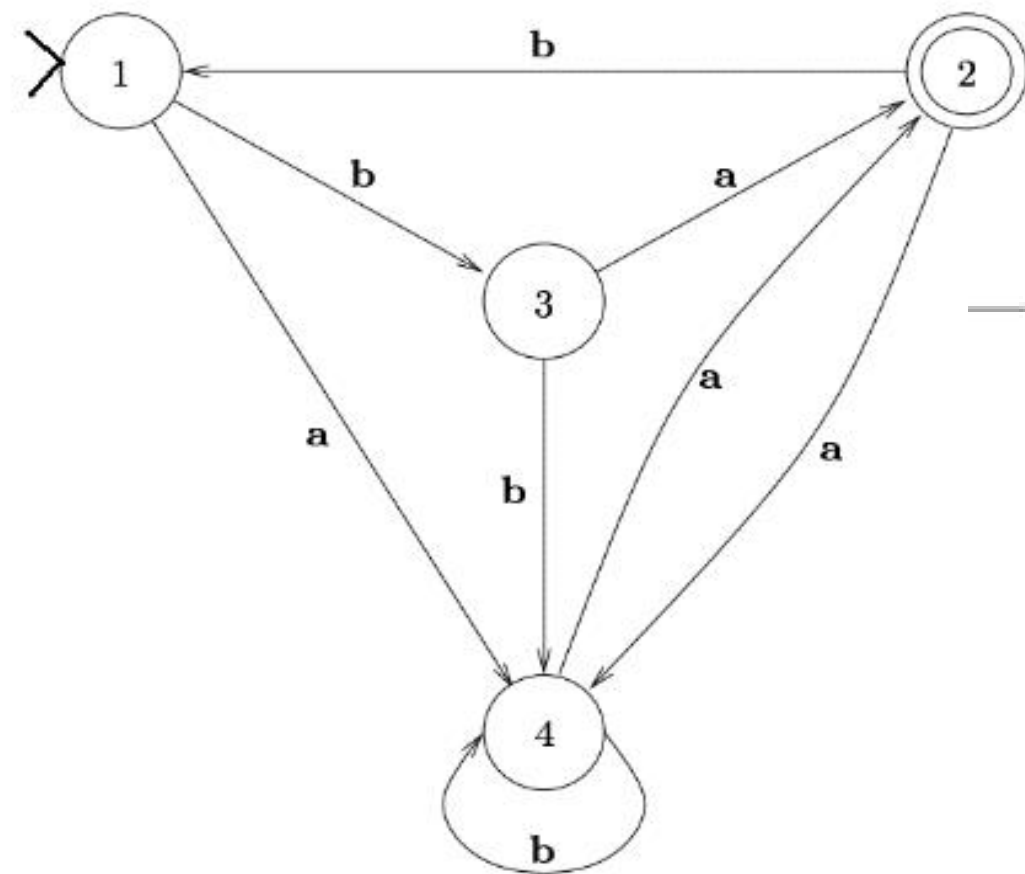
State-Minimization: Table Filling Algorithm



2			
3			
4			
	1	2	3

2	X		
3	X	X	
4	X	X	
	1	2	3





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