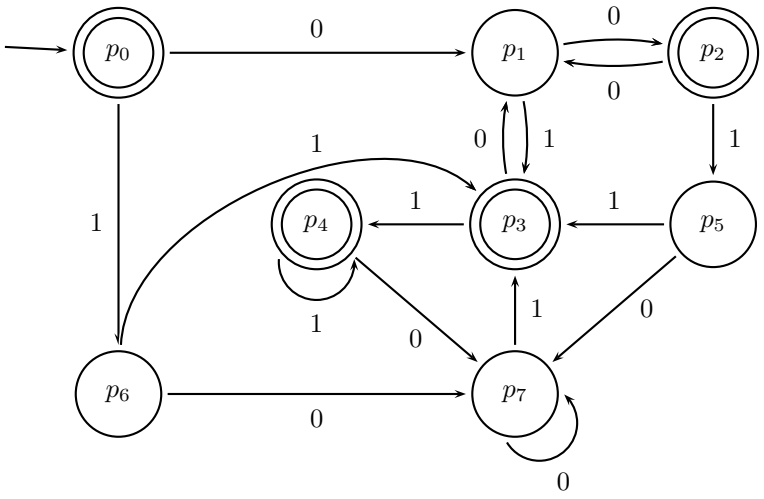


Se pide obtener el autómata finito mínimo equivalente y su expresión regular.

Solución Problema -

Paso 1. Minimización del AF.

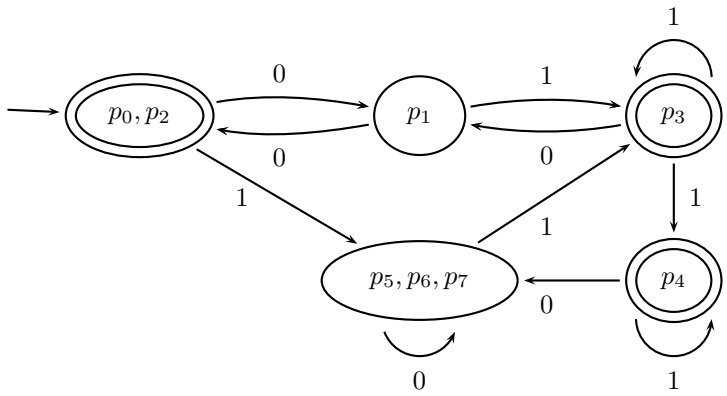
p_1	X_1						
p_2		X_1					
p_3	$X_2(p_6,p_4)$	X_1	$X_2(p_5,p_4)$				
p_4	$X_2(p_6,p_4)$	X_1	$X_2(p_5,p_4)$	$X_3(p_7,p_1)$			
p_5	X_1	$X_2(p_7,p_2)$	X_1	X_1	X_1		
p_6	X_1	$X_2(p_7,p_2)$	X_1	X_1	X_1		
p_7	X_1	$X_2(p_7,p_2)$	X_1	X_1	X_1		
	p_0	p_1	p_2	p_3	p_4	p_5	p_6

$p_1 \overset{0}{\leftarrow} \{p_0, p_2, p_3\}$ $\quad p_4 \overset{1}{\leftarrow} \{p_3, p_4\}$

$p_2 \overset{0}{\leftarrow} p_1$ $\quad p_5 \overset{1}{\leftarrow} p_2$

$p_7 \overset{0}{\leftarrow} \{p_4, p_5, p_6, p_7\}$ $\quad p_6 \overset{1}{\leftarrow} p_0$

$p_3 \overset{1}{\leftarrow} \{p_1, p_5, p_6, p_7\}$



Renombrando: