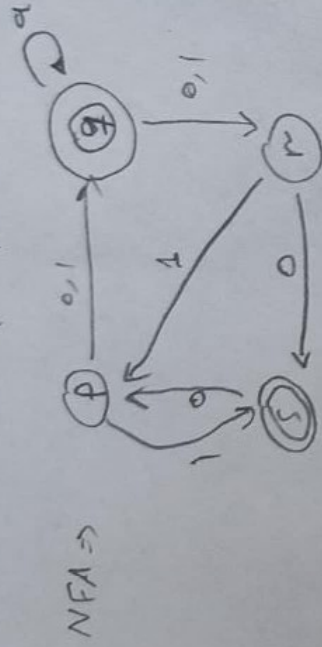


# Ex 2.3.2 // Convert to DAF

NFA

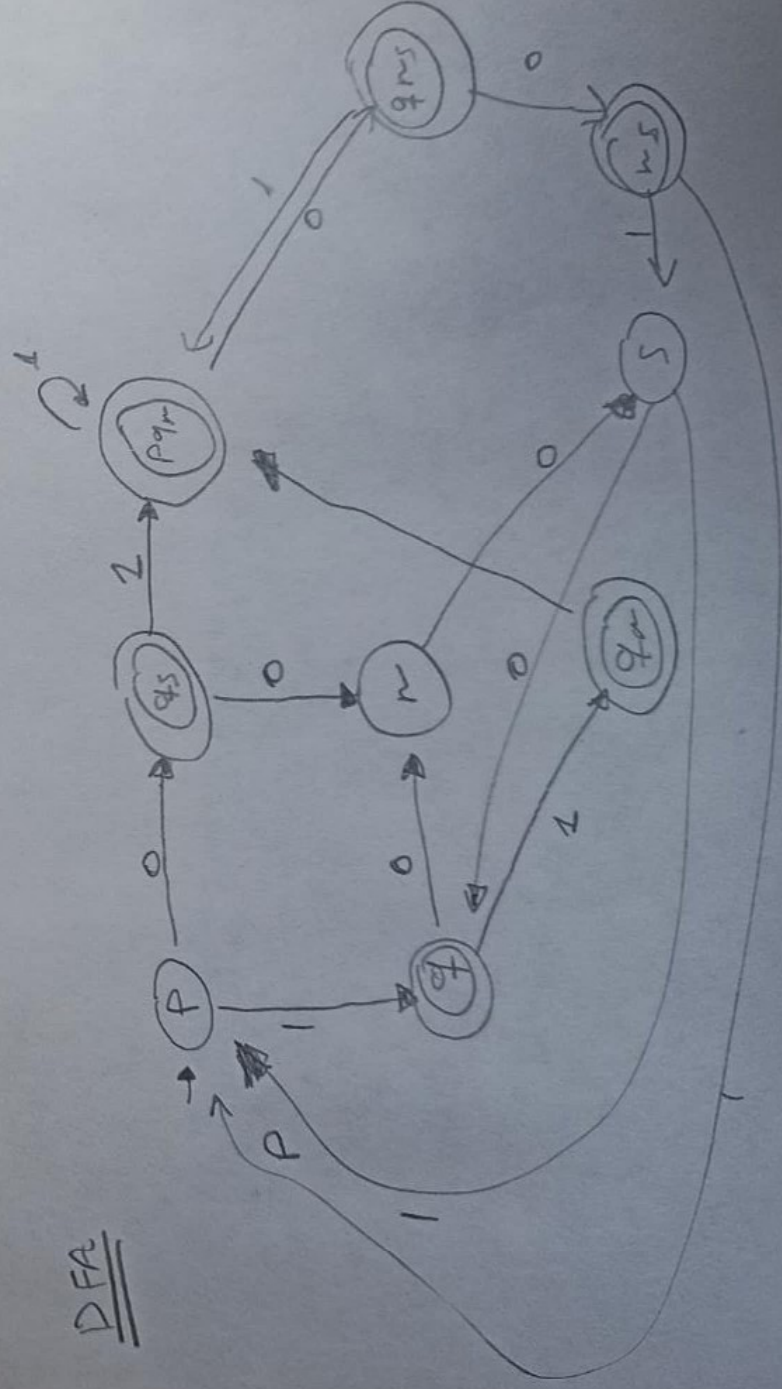
	0	1
-P	{q,s}	{q,s}
*q	{r}	{q,r}
r	{s}	{r}
*s		{r}



DFA

	0	1
$\rightarrow P$	{q,s}	{q,s}
*{q,s}	{r}	{q,r}
*{q}	{r}	{q,r}
*{s}		{r}
*{P,q,r,s}	{r,q,s}	{P,q,r,s}
*{q,r}	{r,s}	{P,q,r,s}
*{s}		{r}
*{q,r,s}	{r,s}	{P,q,r,s}
*{r,s}	{s}	{P,q}

DFA

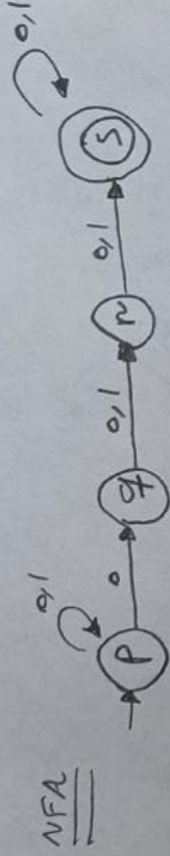


Ex. 2.3.1: convert to a DFA the following NFA.

$\rightarrow p$	0	1
	pp	pp
$\rightarrow q$	pq	qg
$\rightarrow r$	rs	$\emptyset$
$\rightarrow s$	ss	ss

\* 5 | 259 | 259

at least we notice that NFA have four different states,  $2^4 = 16$  states

[illegible]