

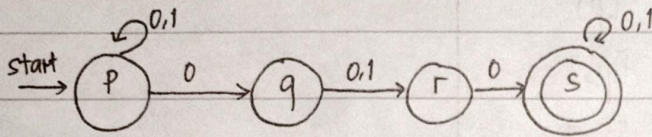
No. _____

Date : _____

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Teori Bahasa dan Otomata 4 REG A

Tugas - NFA ke DFA



δ_D	0	1
\emptyset	\emptyset	\emptyset
$\rightarrow [p]$	$[p,q]$	$[p]$
$[q]$	$[r]$	$[r]$
$[r]$	$[s]$	\emptyset
$*[s]$	$[s]$	$[s]$
$[p,q]$	$[p,q,r]$	$[p,r]$
$[p,r]$	$[p,q,s]$	$[p]$
$*[p,s]$	$[p,q,s]$	$[p,s]$
$[q,r]$	$[r,s]$	$[r]$
$*[q,s]$	$[r,s]$	$[r,s]$
$*[r,s]$	$[s]$	$[s]$
$[p,q,r]$	$[p,q,r,s]$	$[p,r]$
$*[p,q,s]$	$[p,q,r,s]$	$[p,r,s]$
$*[p,r,s]$	$[p,q,s]$	$[p,s]$
$*[q,r,s]$	$[r,s]$	$[r,s]$
$*[p,q,r,s]$	$[p,q,r,s]$	$[p,r,s]$

\mathcal{S}_D	0	1
$\rightarrow [p]$	$[p, q]$	$[p]$
$[p, q]$	$[p, q, r]$	$[p, r]$
$[p, r]$	$[p, q, s]$	$[p]$
$*[p, s]$	$[p, q, s]$	$[p, s]$
$[p, q, r]$	$[p, q, r, s]$	$[p, r]$
$*[p, q, s]$	$[p, q, r, s]$	$[p, r, s]$
$*[p, r, s]$	$[p, q, s]$	$[p, s]$
$*[p, q, r, s]$	$[p, q, r, s]$	$[p, r, s]$

$$Q_D = \{[p], [p,q], [p,r], [p,s], [p,q,r], [p,q,s], [p,r,s], [p,q,r,s]\}$$

$$\Sigma = \{0, 1\}$$

Start state = $[p]$

$$F = \{ [p,s], [p,q,s], [p,r,s], [p,q,r,s] \}$$

