No.

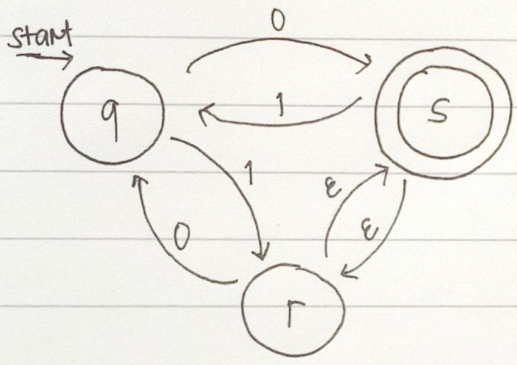
Date :

FERZA REYALDI 09021281924060

TEORI BAHASA DAN ALITOMATA

TUGAS - ε-NFA.

(a.)



(b) $w = 101$.

- $\hat{\delta}(q, \varepsilon) = \text{ECLOSE}(q) = \{q\}$
- $\hat{\delta}(q, 1) = \delta(q, 1) = \{r\}$

  $\therefore \hat{\delta}(q, 1) = \text{ECLOSE}(r) = \{r, s\}$
- $\hat{\delta}(q, 10) = \delta(r, 0) \cup \delta(s, 0) = \{q\} \cup \emptyset = \{q\}$

  $\therefore \hat{\delta}(q, 10) = \text{ECLOSE}(q) = \{q\}$
- $\hat{\delta}(q, 101) = \delta(q, 1) = \{r\}$

  $\therefore \hat{\delta}(q, 101) = \text{ECLOSE}(r) = \{r, s\}$

$\{r, s\} \cap \{s\} = \{s\}$ (word diterima).

(c) $\text{ECLOSE}(q) = \{q\}$

$\text{ECLOSE}(r) = \{r, s\}$

$\text{ECLOSE}(s) = \{r, s\}$

No.

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(d)

	0	1
→ [q]	[r,s]	[r,s]
* [r,s]	[q]	[q]