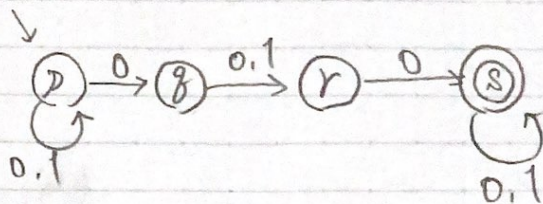


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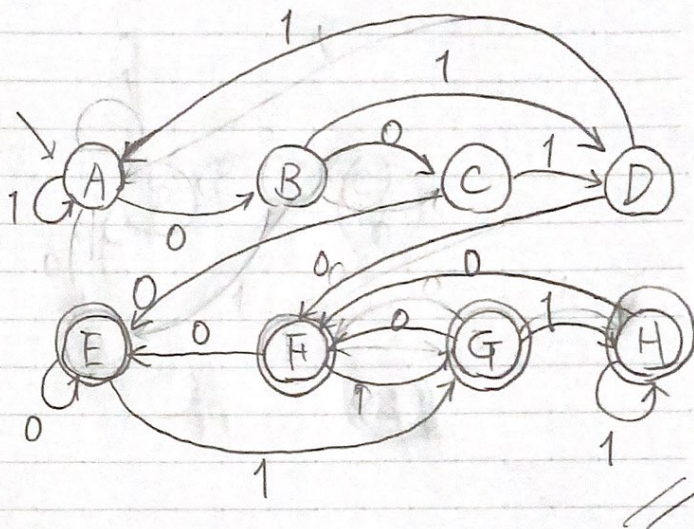
(1) NFA

| | 0 | 1 |
|-----------------|-----------------|-------------|
| $\rightarrow p$ | $\{p, \delta\}$ | $\{p\}$ |
| δ | $\{r\}$ | $\{r\}$ |
| r | $\{s\}$ | \emptyset |
| $*s$ | $\{s\}$ | $\{s\}$ |



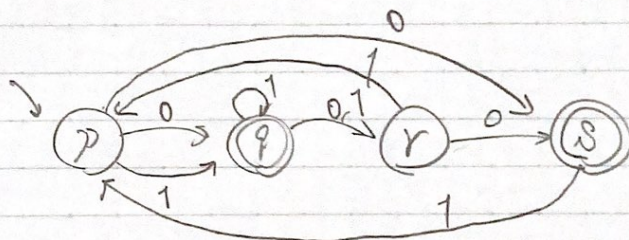
DFA

| | 0 | 1 |
|---------------------------|-----------------------|---------------|
| $A \rightarrow \{p\}$ | $\{p, \delta\}$ | $\{p\}$ |
| $B \{p, \delta\}$ | $\{p, \delta, r\}$ | $\{p, r\}$ |
| $C \{p, \delta, r\}$ | $\{p, \delta, r, s\}$ | $\{p, r\}$ |
| $D \{p, r\}$ | $\{p, \delta, s\}$ | $\{p\}$ |
| $E * \{p, \delta, r, s\}$ | $\{p, \delta, r, s\}$ | $\{p, r, s\}$ |
| $F * \{p, \delta, s\}$ | $\{p, \delta, r, s\}$ | $\{p, r, s\}$ |
| $G * \{p, r, s\}$ | $\{p, \delta, s\}$ | $\{p, s\}$ |
| $H * \{p, s\}$ | $\{p, \delta, s\}$ | $\{p, s\}$ |



(2) NFA

| | 0 | 1 |
|-----------------|-----------------|-----------------|
| $\rightarrow p$ | $\{\delta, s\}$ | $\{\delta\}$ |
| $* \delta$ | $\{r\}$ | $\{\delta, r\}$ |
| r | $\{s\}$ | $\{p\}$ |
| $* s$ | \emptyset | $\{p\}$ |



DFA

| | 0 | 1 |
|------------------------|--------------------|--------------------|
| $A \rightarrow \{p\}$ | $\{\delta, s\}$ | $\{\delta\}$ |
| $B * \{\delta, s\}$ | $\{r\}$ | $\{\delta, r\}$ |
| $C * \{\delta\}$ | $\{r\}$ | $\{\delta, r\}$ |
| $D \{r\}$ | $\{s\}$ | $\{p\}$ |
| $E * \{p, \delta, r\}$ | $\{\delta, r, s\}$ | $\{p, \delta, r\}$ |
| $F * \{\delta, r\}$ | $\{r, s\}$ | $\{p, \delta, r\}$ |
| $G * \{s\}$ | \emptyset | $\{p\}$ |
| $H * \{\delta, r, s\}$ | $\{r, s\}$ | $\{p, \delta, r\}$ |
| $I * \{r, s\}$ | $\{s\}$ | $\{p\}$ |
| $J \emptyset$ | \emptyset | \emptyset |

