

10/18 (Tue.) Minimal DFA

Review on Disc. Math.

Let $R \subseteq A \times A$. If R is reflexive, symmetric, & transitive.

The relation R is called equivalent. $O(n^2)$

\iff Partition on A . $\rightarrow O(n)$

For $a \in A$ $[a]_R = \{b \in A \mid a R b\}$... equivalent class of $a \in A$

$a \in [a]_R$ $= \{ [a]_R \mid a \in A \}$ \rightarrow equi. partition
eg. class

$\forall i \leq n: A_i \subseteq A$ rels R .

$Part(A) = \{A_1, A_2, \dots, A_n\}$

set

$\bigcup_{i \in \{1, \dots, n\}} A_i = A$

exhaustive

$A_i \cap A_j = \emptyset$
 $1 \leq i \neq j \leq n$

disjoint.

$P, B \in Q$, $P \equiv B$ if $\dots \rightarrow$ perfect division of set A

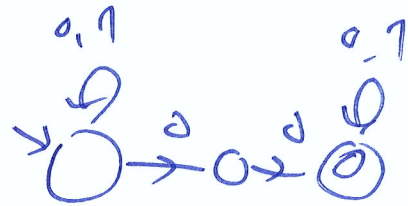
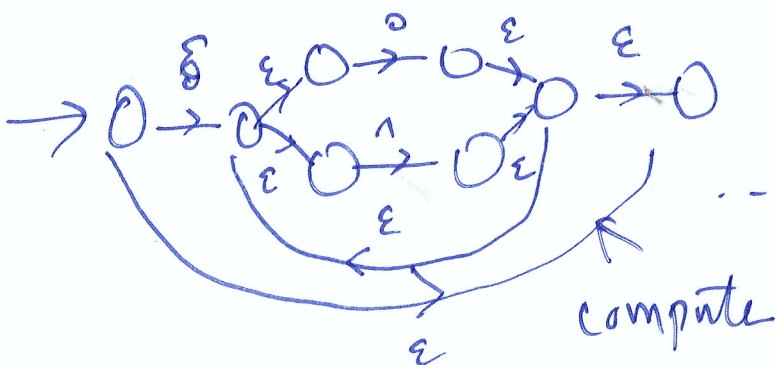
$\equiv \subseteq Q \times Q$

Midterm 10/20 (Thu.) pm 2:30 ~ 5:30 Rm \leftarrow will be announced!

open book everythg except communicating devices.

HW#3 Ex 6

~~(A*)~~ $(0+1)^* 00(0+1)^*$



human

대형의 경우 (2) \rightarrow 지도자