

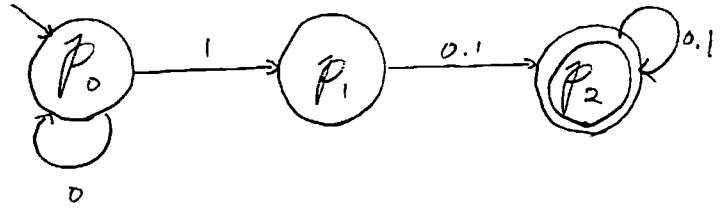
[9] 計算理論

(1) (1-1)

0					1
0	1	2	3	4	5
00	11	00	11	11	11

0		1	2
0	2	1	3
01	01	22	22

⇒



(1-2) $M_x : f$ $M_y : c$

(1-3)

010, 0110, 01110, 00100

$n=00$ (任意の数) $\lambda=00$ を受理.

(2)

(2-1)

$A \rightarrow BA \rightarrow CBA \rightarrow \langle p \rangle A \langle /p \rangle DBA$
 $\rightarrow \langle p \rangle \langle /p \rangle \langle ul \rangle F \langle /ul \rangle EA$
 $\rightarrow \langle p \rangle \langle /p \rangle \langle ul \rangle \langle /ul \rangle \text{text } BA$
 $\rightarrow \langle p \rangle \langle /p \rangle \langle ul \rangle \langle /ul \rangle \text{text } E$
 $\rightarrow \langle p \rangle \langle /p \rangle \langle ul \rangle \langle /ul \rangle \text{test } E \langle em \rangle E \langle /em \rangle E$
 $\rightarrow \langle p \rangle \langle /p \rangle \langle ul \rangle \langle /ul \rangle \text{test } \langle em \rangle \langle /em \rangle$

(2-2) (最左導出) $A \rightarrow BA \rightarrow CA \rightarrow \langle p \rangle AA \rightarrow \langle p \rangle BAA \rightarrow \langle p \rangle CAA$
 $\rightarrow \langle p \rangle \langle p \rangle AAA \rightarrow \langle p \rangle \langle p \rangle AA \rightarrow \langle p \rangle \langle p \rangle A \rightarrow \langle p \rangle \langle p \rangle$

(最右導出) $A \rightarrow BA \rightarrow BBA \rightarrow BB \rightarrow BC \rightarrow B \langle p \rangle A \rightarrow B \langle p \rangle$
 $\rightarrow C \langle p \rangle \rightarrow \langle p \rangle A \langle p \rangle \rightarrow \langle p \rangle \langle p \rangle$

(2-3)

$\langle p \rangle \langle p \rangle$

(2-4)

$\langle em \rangle$