$\epsilon-$
$free$
$M_0 =$
$(Q_0, V, T_0, \emptyset, S_0, F_0)$
DFA
$M_2 =$
$(Q_2, V, T_2, \emptyset, S_2, F_2)$
NFA
$M_1 =$
$(Q_1, V, T_1, \emptyset, S_1, F_1)$
$M_1 \rightarrow$
$M_2, M_2 =$
$suseful_s \circ$
$subsetopt(M_1)$
$_0, q_1 \in$
$Q_1, Q_2 \subseteq$
$P(Q_1), \forall p \in$
$Q_2, p =$
(q_0, q_1)
$\overrightarrow{L}_{M_2}(p) =$
$\overrightarrow{L}_{M_1}(q_0) \cup$
$\overrightarrow{L}_{M_1}(q_1)$
$\overrightarrow{\Rightarrow}$
$\overrightarrow{L}_{M_2}(p) =$
$\bigcup_{q \in p} \overrightarrow{L}_{M_1}(q)$
$\overrightarrow{\Rightarrow}$
$(a)[matrixofmathnodes, rowsep =$
$3em, columnsep =$
$5em, nodesinemptycells] Q_1 P(Q_1) D(Q_2); [>=$
$latex, - >$
$](a-$
$1-$
$1) edgenode[auto](a-$
$1-$
$2) edgenode[auto, swap](a-$
$2-$
$2)(a-$
$1-$
$2) edgenode[auto]_s$
$M_2 =$
$suseful_s \circ$
$subsetopt(M_1)$
$M_1 =$
$(Q_1, V, T_1, \emptyset, S_1, F_1)$
q
q_0
q_1
f_1
q
a
$\overrightarrow{L}_{M_1}(q_0)$
$\overrightarrow{L}_{M_1}(q_1)$
$M_2 =$
$(Q_2, V, T_2, \emptyset, S_2, F_2)$
(q_0, q_1)
f_2
$\overrightarrow{L}_{M_1}(q_0)$
$\overrightarrow{L}_{M_1}(q_1)$
$M_2 =$
$suseful_s \circ$
$subsetopt(M_1)$
$M_0 =$
$(Q_0, V, T_0, \emptyset, S_0, F_0)$
q_2
q_0
q_1
0
0
1
1
$0, 1$
$M_0^R =$
$(Q_0, V, T_0, \emptyset, S_0, F_0)^R =$
$(Q_0, V, T^R, \emptyset, F_0, S_0)$
q_2
q_0
q_1
0
0
1
1
$0, 1$
$useful_s \circ$
$subsetopt \circ$
$R(M_0)$
q_2
$\{q_0, q_1, q_2\}$
1
$0, 1$