$A =$

q_1

$q_0 \xrightarrow{a} \quad a \quad q_2$

$a \qquad a$

$$\mathcal{S}_{a^\omega}^{A} =$$

$\{q_0\}$ a

$\{q_1\}$ $\{q_0, q_2\}$ a

$\{q_2\}$ $\{q_1\}$ $\{q_0, q_2\}$ a

$\{q_2\}$ $\{q_2\}$ $\{q_1\}$ $\{q_0, q_2\}$ a

$\{q_2\}$ $\{q_2\}$ $\{q_2\}$ $\{q_1\}$ $\{q_0, q_2\}$ a

Figure 1: Automaton A and the first five levels of the split tree of the runs of A on the word a^ω.
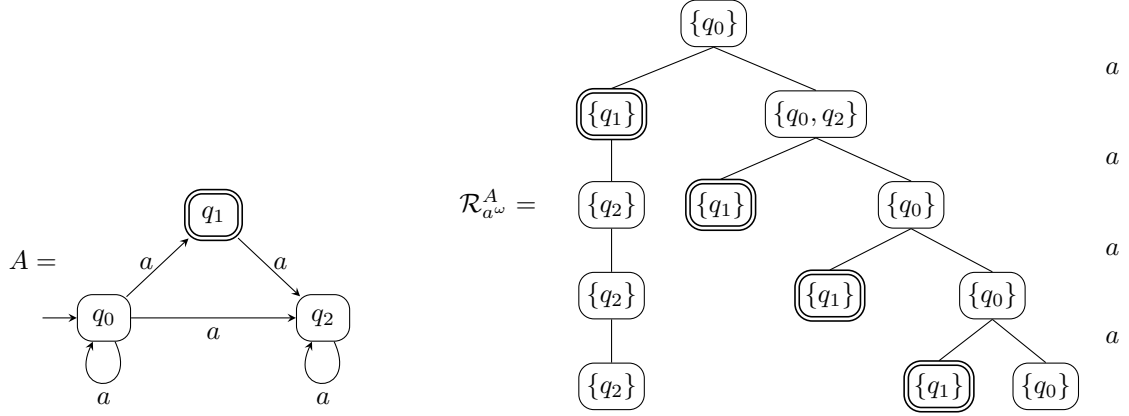
$A =$

q_1

$q_0 \xrightarrow{a} \quad a \quad q_2$

$a \qquad a$

$$\mathcal{R}_{a^\omega}^{A} =$$

$\{q_0\}$ a

$\{q_1\}$ $\{q_0, q_2\}$ a

$\{q_2\}$ $\{q_1\}$ $\{q_0\}$ a

$\{q_2\}$ $\{q_1\}$ $\{q_0\}$ a

$\{q_2\}$ $\{q_1\}$ $\{q_0\}$ a

Figure 2: Automaton A and the first five levels of the left-to-right reduced split tree of the runs of A on the word a^ω.

$A =$

q_1

$q_0 \xrightarrow{a} \quad a \quad q_2$

$a \qquad a$

$$\mathcal{R}_{a^\omega}^{A} =$$

$\{q_0\}$ a

$\{q_0, q_2\}$ $\{q_1\}$ a

$\{q_0\}$ $\{q_1\}$ $\{q_2\}$ a

$\{q_0\}$ $\{q_1\}$ $\{q_2\}$ a

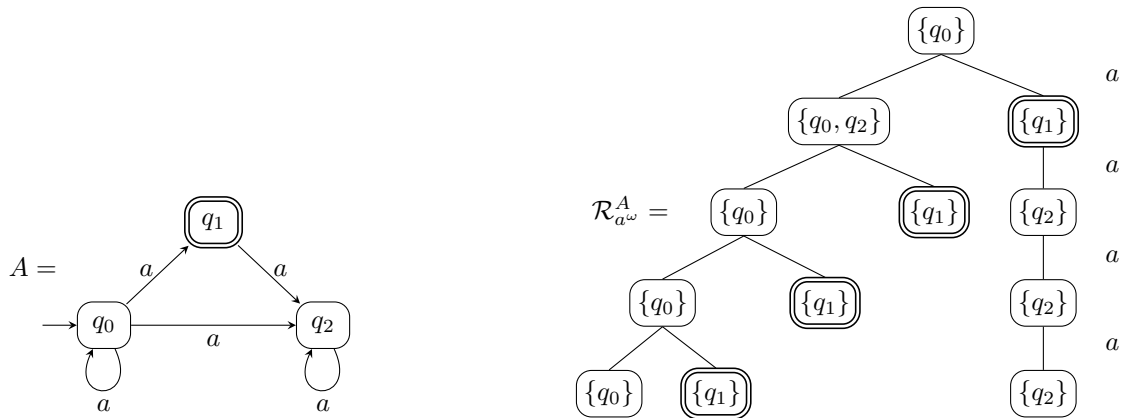$\{q_0\}$ $\{q_1\}$ $\{q_2\}$ a

Figure 3: Automaton A and the first five levels of the right-to-left reduced split tree of the runs of A on the word a^ω.
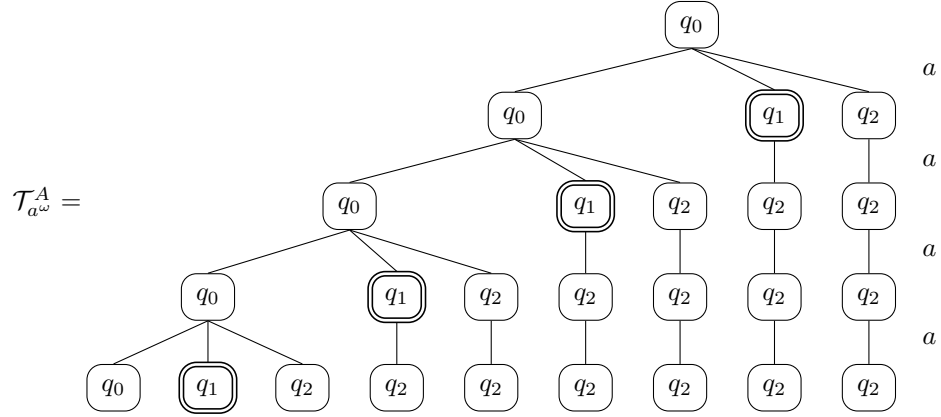
1

Figure 4: Automaton A and the first five levels of the run tree of the runs of A on the word a^ω.
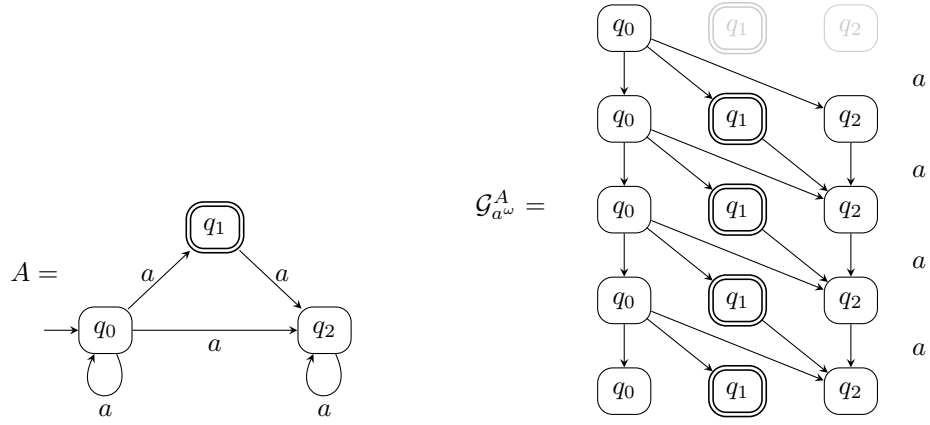

Figure 5: Automaton A and the first five levels of the run DAG of the runs of A on the word a^ω.
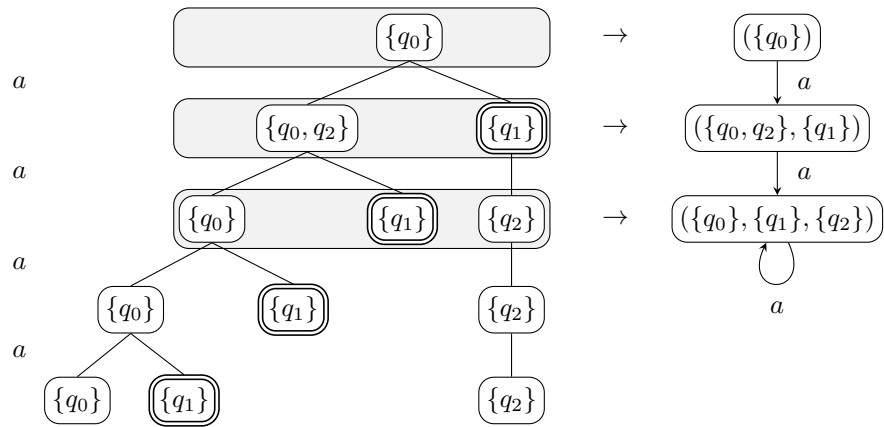

Figure 6: From levels of a reduced split tree to the slices of the subset-tuple construction.