

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

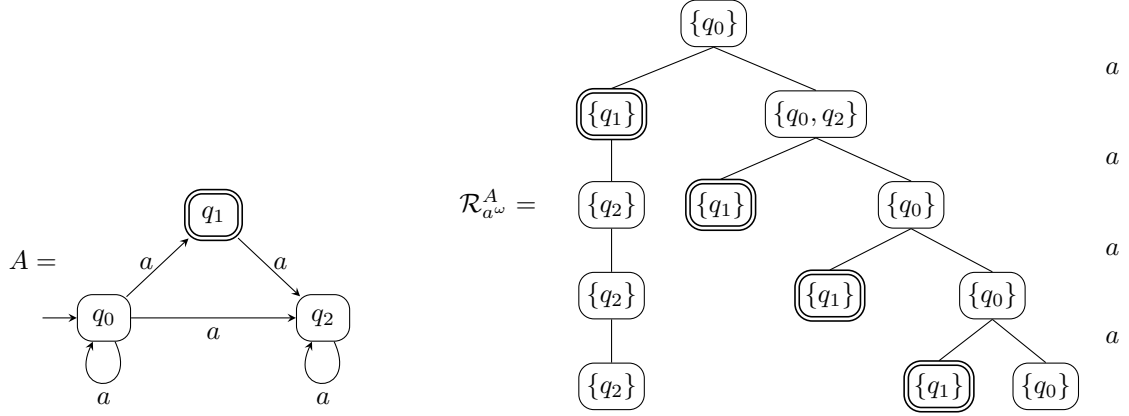


Figure 2: Automaton  $A$  and the first five levels of the left-to-right reduced split tree of the runs of  $A$  on the word  $a^\omega$ .

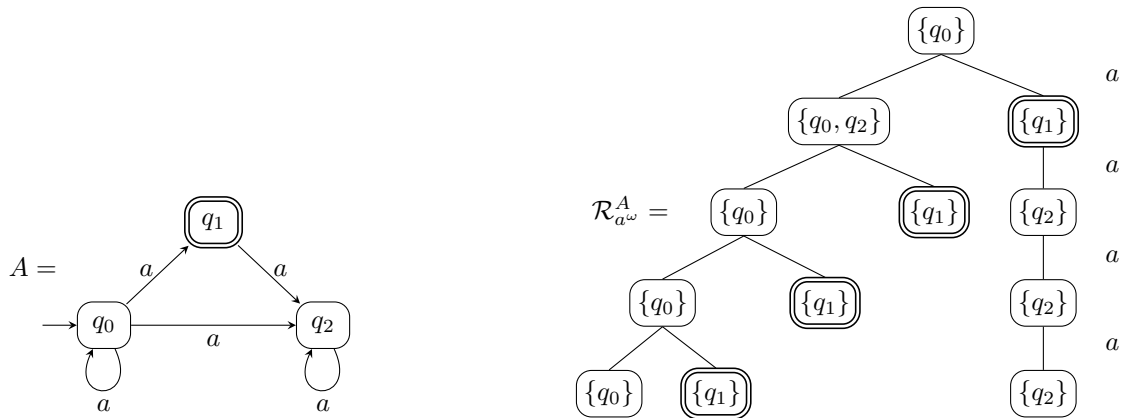


Figure 3: Automaton  $A$  and the first five levels of the right-to-left reduced split tree of the runs of  $A$  on the word  $a^\omega$ .

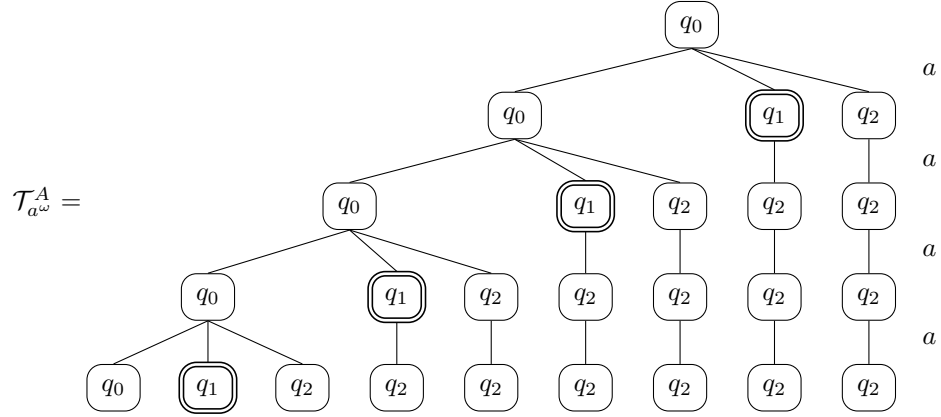


Figure 4: Automaton  $A$  and the first five levels of the run tree of the runs of  $A$  on the word  $a^\omega$ .

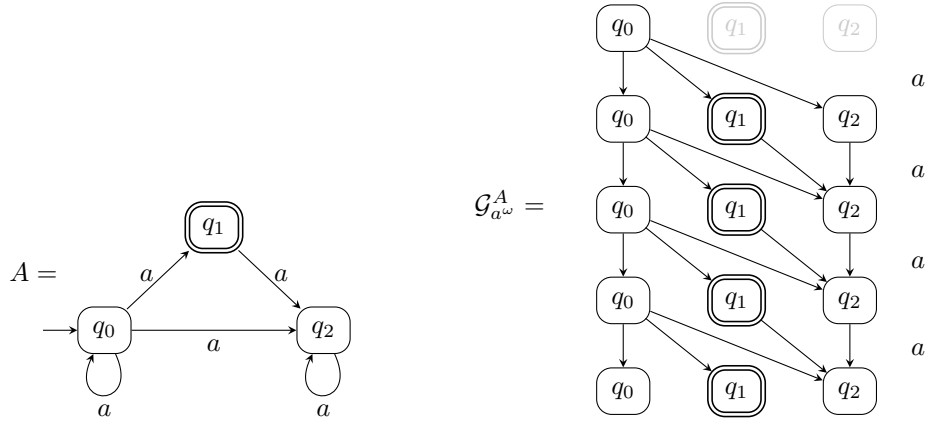


Figure 5: Automaton  $A$  and the first five levels of the run DAG of the runs of  $A$  on the word  $a^\omega$ .

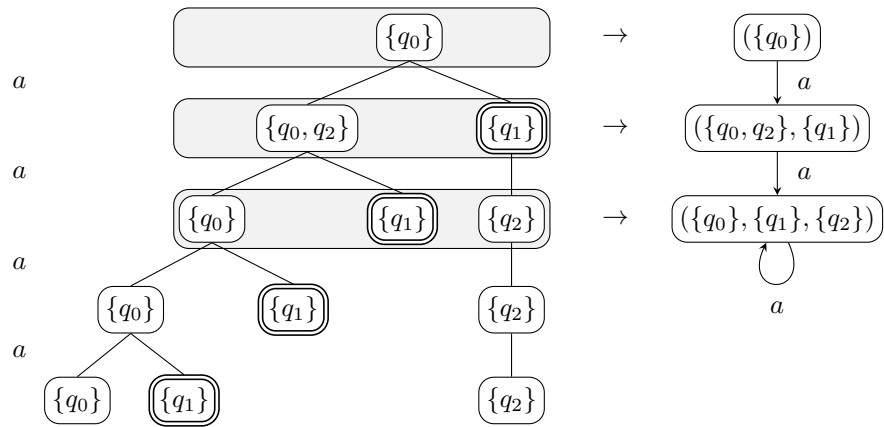


Figure 6: From levels of a reduced split tree to the slices of the subset-tuple construction.

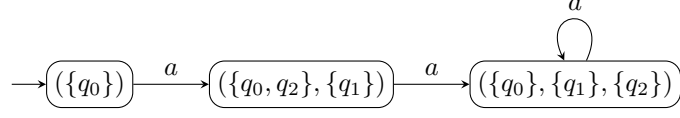


Figure 7: Upper part of complement of  $A$ .

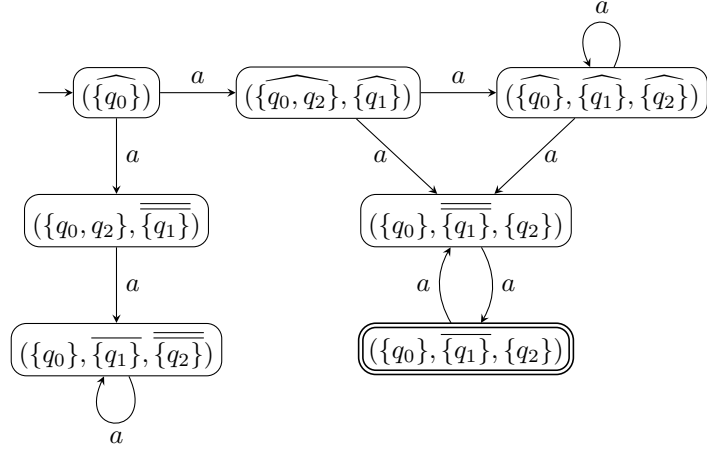


Figure 8: The complement automaton  $B$ .

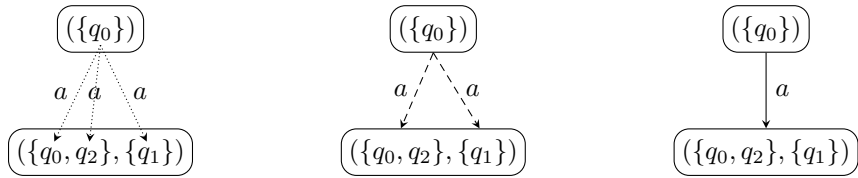


Figure 9: Different notions of runs.