



A directed graph illustrating a sequence of states  $S_0, S_1, S_2, S_3, S_4, S_5, S_6, S_7, S_8f$ . The states are arranged in a sequence from left to right.  $S_0$  is the start state, and  $S_8f$  is the final state. Transitions are labeled with pairs of values:

- $S_0 \rightarrow S_1$ : 0-1
- $S_0 \rightarrow S_2$ : 2
- $S_0 \rightarrow S_3$ : 3-9
- $S_1 \rightarrow S_4$ : 0-9
- $S_2 \rightarrow S_6$ : 0-3
- $S_3 \rightarrow S_5$ : (vertical ellipsis)
- $S_4 \rightarrow S_5$ : (vertical ellipsis)
- $S_5 \rightarrow S_7$ : 0-5
- $S_7 \rightarrow S_8f$ : 0-9

Vertical ellipses ( $\vdots$ ) indicate intermediate states between  $S_4$  and  $S_5$ , and between  $S_3$  and  $S_5$ .

[illegible]