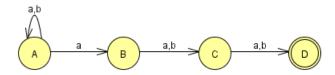
Aufgabe 2

NEA:



Potenzmengenkonstruktion: A ist Anfangszustand → beginne mit Teilmenge { A }

$$\left\{ \begin{array}{ll} A \end{array} \right\} / a & \rightarrow \left\{ \begin{array}{ll} A, B \end{array} \right\} \\ \left\{ \begin{array}{ll} A \end{array} \right\} / b & \rightarrow \left\{ \begin{array}{ll} A \end{array} \right\}$$

$$\{A, B\}/a$$
 $\rightarrow \{A, B, C\}$
 $\{A, B\}/b$ $\rightarrow \{A, C\}$

$$\left\{ \begin{array}{ll} A,C \right\} / a & \rightarrow & \left\{ \begin{array}{ll} A,B,D \right\} \\ \left\{ \begin{array}{ll} A,C \right\} / b & \rightarrow & \left\{ \begin{array}{ll} A,D \right\} \end{array}$$

$$\left\{ \begin{array}{ll} \left\{ \right. A,D \left. \right\} /a & \rightarrow \left. \left\{ \right. A,B \left. \right\} \\ \left\{ \right. A,D \left. \right\} /b & \rightarrow \left. \left\{ \right. A \right. \right\} \end{array} \right.$$

$$\{A, B, D\}/a \rightarrow \{A, B, C\}$$

 $\{A, B, D\}/b \rightarrow \{A, C\}$

$$\left\{ \begin{array}{ll} \left\{ \right. A,\, C,\, D \left. \right\} /\, a & \rightarrow \left. \left\{ \right. A,\, B,\, D \left. \right\} \\ \left\{ \right. A,\, C,\, D \left. \right\} /\, b & \rightarrow \left. \left\{ \right. A,\, D \left. \right\} \\ \end{array} \right.$$

$$\{ A, B, C, D \} / a \rightarrow \{ A, B, C, D \}$$

 $\{ A, B, C, D \} / b \rightarrow \{ A, C, D \}$

