6. 用子集构造法将5的转换成DFA, 0112 状态转换

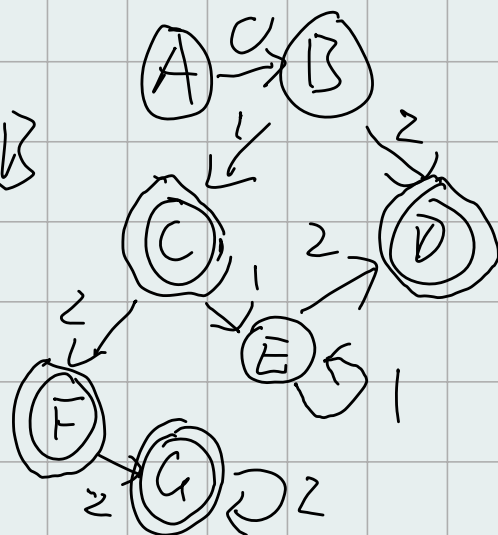初始状态 $A = \{S_0, S_1, S_{11}\}$

DFA:

$(A, 0) = \{S_2, S_3, S_5, S_{12}\} = B$

$(A, 1) = \{\}$

$(A, 2) = \{\}$

$(B, 0) = \{\}$

$(B, 1) = \{S_3, S_4, S_5, S_{10}, S_{13}, S_{14}, S_{16}\} = C$

$(B, 2) = \{S_6, S_{10}\} = D$

$(C, 0) = \{0\}$

$(C, 1) = \{S_3, S_4, S_5\} = E$

$(C, 2) = \{S_6, S_{10}, S_{14}, S_{15}, S_{16}\} = F$

$(D, 0) = \{\}$ $(D, 1) = \{\}$ $(D, 2) = \{\}$

$(E, 0) = \{\}$ $(E, 1) = E$ $(E, 2) = D$

$(F, 0) = \{\}$ $(F, 1) = \{\}$ $(F, 2) = \{S_{10}, S_{14}, S_{15}, S_{16}\} = G$

$(G, 0) = \{\}$ $(G, 1) = \{\}$ $(G, 2) = G$

状态转换.

$$A \xrightarrow{0} B \xrightarrow{1} C \xrightarrow{1} E \xrightarrow{1} E \xrightarrow{2} D$$