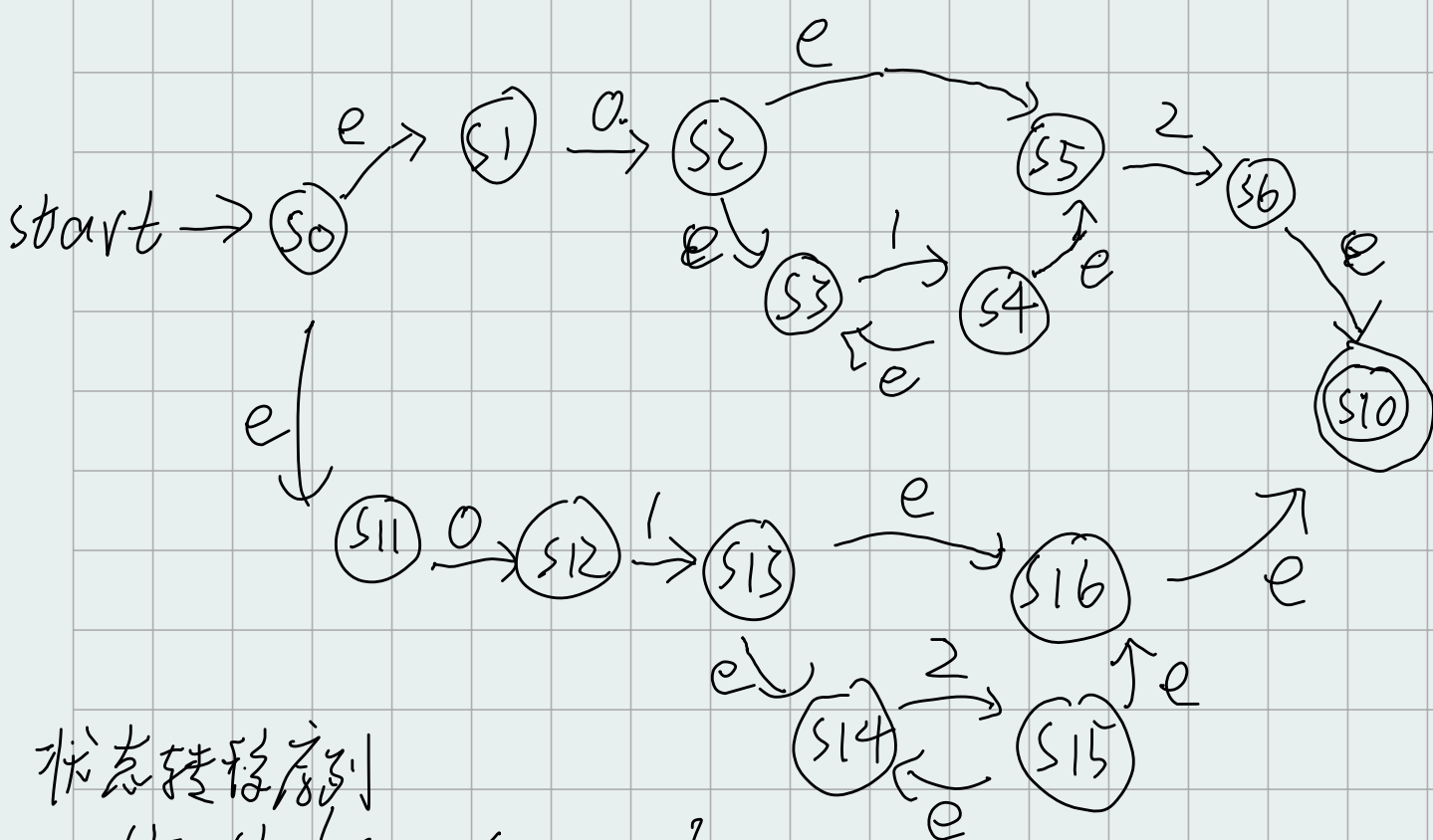


5. 使用 Thompson 构造法为下面的正规式构造 NFA，写出 NFA 处理符号串 01112 过程中的状态转换序列。

$(01^*2)^1(012^*)$



状态转换序列

start $\{s_0, s_1, s_{11}\}$

$\xrightarrow{0} \{s_2, s_3, s_5, s_{12}\}$

$\xrightarrow{1} \{s_3, s_4, s_5, s_{13}, s_{14}, s_{16}\}$

$\xrightarrow{1} \{s_3, s_4, s_5\}$

$\xrightarrow{1} \{s_3, s_4, s_5\}$

$\xrightarrow{2} \{s_6, s_{10}\}$