$$\mathfrak{S} = \begin{cases} \mathbf{R_1} = & \boxed{1 \mid 2 \mid 3} \\ \mathbf{R_2} = & \boxed{2 \mid 5 \mid 6 \mid 7} \\ \mathbf{R_3} = & \boxed{2 \mid 5 \mid 6 \mid 7} \end{cases}$$