$$R_0 \underset{k_{-1}}{\overset{nsk_1}{\rightleftharpoons}} R_1 \underset{2k_{-1}}{\overset{(n-1)sk_1}{\rightleftharpoons}} R_2 \quad \cdots \quad \underset{nk_{-1}}{\overset{sk_1}{\rightleftharpoons}} R_3$$

$$R_0 \underset{k_{-2}}{\overset{k_2}{\rightleftharpoons}} T_0$$

$$T_0 \underset{k_{-3}}{\overset{nsk_3}{\rightleftharpoons}} T_1 \underset{2k_{-3}}{\overset{(n-1)sk_3}{\rightleftharpoons}} T_2 \quad \cdots \quad \underset{nk_{-3}}{\overset{sk_3}{\rightleftharpoons}} T_3$$

R_0 $\xrightarrow{nsk_1}$ $\xleftarrow{k_{-1}}$ R_1 $\xrightarrow{(n-1)sk_1}$ $\xleftarrow{2k_{-1}}$ R_2 $\cdots$ $\xrightarrow{sk_1}$ $\xleftarrow{nk_{-1}}$ R_3

$k_2 \downarrow$ $\uparrow k_{-2}$

T_0 $\xrightarrow{nsk_3}$ $\xleftarrow{k_{-3}}$ T_1 $\xrightarrow{(n-1)sk_3}$ $\xleftarrow{2k_{-3}}$ T_2 $\cdots$ $\xrightarrow{sk_3}$ $\xleftarrow{nk_{-3}}$ T_3