

$$\begin{array}{ccccccccccc}
n = & & 3 & & 5 & & 7 & & \dots & & 2r-5 & & 2r-3 & & 2r-1 & & \text{stable} \\
\\
k = rq - 2 & & \begin{array}{c} a_{r-1} \\ \swarrow^H \\ \alpha_r^*(3) \end{array} & \hookrightarrow & \begin{array}{c} a_{r-2} \\ \swarrow^H \\ \alpha_r^{*'}(5) \end{array} & \xrightarrow{\swarrow^P} & \begin{array}{c} a_{r-3} \\ \swarrow^H \\ \alpha_r^{*'}(7) \end{array} & \dots & \begin{array}{c} a_3 \\ \swarrow^H \\ \alpha_r^{*'}(2r-5) \end{array} & \xrightarrow{\swarrow^P} & \begin{array}{c} a_2 \\ \swarrow^H \\ \alpha_r^{*'}(2r-3) \end{array} & \xrightarrow{\swarrow^P} & \begin{array}{c} (a_1) \\ \swarrow^P \\ \alpha_r^*(2r-1) \end{array} & \xrightarrow{\swarrow^P} & A_0 \\
\\
k = rq - 1 & & \begin{array}{c} A_{r-1} \\ \swarrow^H \\ \alpha_r(3) \end{array} & \hookrightarrow & \begin{array}{c} A_{r-2} \\ \swarrow^H \\ \alpha_r'(5) \end{array} & = & \alpha_r'(7) & = & \dots & = & \alpha_r'(2r-5) & = & \alpha_r'(2r-3) & = & \alpha_r'(2r-1) & \xrightarrow{E^\infty} & \alpha_r'
\end{array}$$