Routh's Test, continued

Eventually, we complete the array like this:

$$
\begin{array}{llllll}
s^n : & 1 & a_2 & a_4 & a_6 & \ldots \\
s^{n-1} : & a_1 & a_3 & a_5 & a_7 & \ldots \\
s^{n-2} : & b_1 & b_2 & b_3 & \ldots \\
s^{n-3} : & c_1 & c_2 & \ldots \\
\quad \vdots \\
s^1 : & * & * \\
s^0 : & *
\end{array}
$$

(as long as we don't get stuck with

division by zero: more on this later)

After the process terminates, we will have $n + 1$ entries in the first column.