$$
\begin{array}{rcrcrcrcrcrcrcr}
c_{11}x_1 & + & c_{12}x_2 & + & \ldots & + & c_{1r}x_r & + & c_{1,r+1}x_{r+1} & + & \ldots & + & c_{1n}x_n & = & d_1\\
&& c_{22}x_2 & + & \ldots & + & c_{2r}x_r & + & c_{2,r+1}x_{r+1} & + & \ldots & + & c_{2n}x_n & = & d_2\\
&&&&&&&&\ldots\\
&&&&&& c_{rr}x_r & + & c_{r,r+1}x_{r+1} & + & \ldots & + & c_{rn}x_n & = & d_r\\
&&&&&&&&&& 0 & = & d_{r+1}\\
&&&&&&&&&&&& \vdots\\
&&&&&&&&&& 0 & = & d_m
\end{array}
$$

$$\text{mit } c_{ii} \neq 0 \quad \text{fr} \quad i=1,\,2,\,\ldots,\,r\,;\quad r\le n,\, r\le m$$

```
\begin{align*}
\begin{split}\setlength\arraycolsep{3pt}
\begin{array}{rcrcrcrcrcrcrcr}
\rnode[tl]{aa1}{\rnode[bl]{aa1b}{\vphantom{d}c_{11}x_1}}
  & + & c_{12}x_2&+& \ldots & + & c_{1r}x_r & + & c_{1,r+1}x_{r+1} & +
  & \ldots & + & c_{1n}x_n & = & \rnode[tr]{aa2}{d_1}\\
  && c_{22}x_2 & + & \ldots & + & c_{2r}x_r & + & c_{2,r+1}x_{r+1}
  & + &\ldots & + & c_{2n}x_n & = & d_2\\
  &&&&\hdotsfor{11}\\
  &&&&&&\rnode[bl]{bb1}{c_{rr}x_r} & + & c_{r,r+1}x_{r+1} & +
  & \ldots & + & c_{rn}x_n & = & \rnode[br]{bb2}{d_r}\\
  &&&&&&&&&&&0 & = & d_{r+1}\\
  &&&&&&&&&&&&\vdots &\\
  &&&&&&&&&&&0 & = & d_{m}
\end{array}\\
\text{mit } c_{ii}\neq 0\quad \text{fr} \quad i=1,\,2,\,\ldots,\,r\,;\; \quad r\l
\end{split}
\end{align*}
\pspolygon[fillstyle=solid,fillcolor=green!30,
  opacity=0.3,linecolor=lightgray](aa1b)(bb1)(bb2)(aa2)(aa1)
```