

Oef 7 p A.30

$$A = \begin{pmatrix} 1 & 6 & -7 & 3 \\ 1 & 9 & -6 & 4 \\ 1 & 3 & -8 & 4 \end{pmatrix}$$
$$\begin{array}{l} R_2 - R_1 \\ \sim \\ R_3 - R_1 \end{array} \begin{pmatrix} 1 & 6 & -7 & 3 \\ 0 & 3 & 1 & 1 \\ 0 & -3 & -1 & 1 \end{pmatrix}$$
$$\begin{array}{l} \sim \\ R_3 + R_2 \end{array} \begin{pmatrix} 1 & 6 & -7 & 3 \\ 0 & 3 & 1 & 1 \\ 0 & 0 & 0 & 2 \end{pmatrix}$$

Gaussgereduceerde vorm

$$\begin{aligned} \text{rang } A &= \# \text{ niet } 0\text{-rijen in} \\ &\text{de gaussgereduc. vorm} \\ &= 3 \end{aligned}$$