

$$\begin{pmatrix} x_1 \\ x_2 \\ x_3 \\ x_4 \end{pmatrix} = \begin{pmatrix} 3 \\ 5 \\ \frac{8}{3} \\ 0 \end{pmatrix} + t \begin{pmatrix} 0 \\ 0 \\ -\frac{5}{3} \\ 1 \end{pmatrix}$$