(1A) $n_1 = 1,\ n_2 = 2,\ k_0 = -2$

(1B) $\begin{pmatrix} 1 \\ -4 \\ -1 \\ 2 \end{pmatrix}; \quad \left(\begin{pmatrix} 0 \\ 1 \\ 1 \\ 0 \end{pmatrix}, \begin{pmatrix} -2 \\ 1 \\ 0 \\ 1 \end{pmatrix} \right)$

(1C) $h = 1$

(1D) $\begin{pmatrix} 4 & -5 \\ -3 & 2 \end{pmatrix}$

(2A) $n_1 = 1,\ n_2 = 2,\ k_0 = 5$

(2B) $\begin{pmatrix} 1 \\ 0 \\ 1 \end{pmatrix} + t \begin{pmatrix} -11 \\ 1 \\ 3 \end{pmatrix}; \quad \begin{pmatrix} 1 \\ 0 \\ 1 \end{pmatrix} + t_1 \begin{pmatrix} 2 \\ 1 \\ 0 \end{pmatrix} + t_2 \begin{pmatrix} 0 \\ 3 \\ 2 \end{pmatrix}$

(2C) $\dim(E_h) = 1\ \forall h; \quad \begin{cases} y = 1 \\ 2x + 7z = 14 \end{cases}$ per $h = 1$,

$\begin{cases} (h-1)x - (1+6h)y = -7h^2 + h - 1 \\ (1-3h)y - (h-1)z = -4h^2 + h + 1 \end{cases}$ per $h \neq 1$

(2D) $\frac{2}{11} \begin{pmatrix} 8 \\ 1 \\ -2 \end{pmatrix}$

(2E) $k = 5,\ h = \frac{6}{5}; \quad k = 6,\ h = 2$