

PCP:

$$y_3 \begin{pmatrix} -\frac{2}{7} \\ -\frac{1}{7} \\ 0 \\ \frac{6}{7} \\ 1 \end{pmatrix}$$

$$\exists y_3 = 7 \Rightarrow$$

$$(A_1, A_2) \cdot \begin{pmatrix} -2 \\ -1 \end{pmatrix} = \begin{pmatrix} -5 \\ -1 \\ -6 \\ -5 \\ -7 \end{pmatrix} \text{ -dozruc } L_1 \cap L_2$$

$$\Rightarrow \dim(L_1 \cap L_2) = 1$$