

6.5. Representación coordenada

$$(1, 3, 5, 3) = \alpha_1 \cdot (1, 1, 0, 0) + \alpha_2 \cdot (0, 1, 1, 0) + \alpha_3 \cdot (0, 0, 1, 1)$$

$$\begin{cases} 1 = \alpha_1 \\ 3 = \alpha_1 + \alpha_2 \\ 5 = \alpha_2 + \alpha_3 \\ 3 = \alpha_3 \end{cases}$$

$$\rightarrow \begin{cases} 0 = \alpha_1 - \\ 0 = \alpha_1 + \\ 0 = \alpha_2 + \\ 0 = \alpha_3 - \end{cases}$$

$$\lambda_2 \cdot (0, 2, 2, 0) + \lambda_3 \cdot (0, 0, 1, 1)$$

1

$$\lambda_2 - 3$$

$$\lambda_3 - 5$$

3