

1.2.22

$$\begin{cases} x+y = z-t \\ z-t = 0 \end{cases} \quad \begin{cases} x+y = z-t \\ z = t \end{cases}$$

$$\begin{cases} x+y = 0 \\ z = t \end{cases} \quad \begin{cases} x = -y \\ y = y \\ z = t \\ t = t \end{cases}$$

$$\begin{pmatrix} x \\ y \\ z \\ t \end{pmatrix} = y \begin{pmatrix} -1 \\ 1 \\ 0 \\ 0 \end{pmatrix} + t \begin{pmatrix} 0 \\ 0 \\ 1 \\ 1 \end{pmatrix}$$

$$= y \cdot u + t \cdot v$$

$$B = (u, v)$$