

$$s \equiv -7 - \lambda = \frac{\gamma - 5}{3} = \frac{2z - 24}{8}$$

$$\frac{\lambda + 7}{-1} = \frac{\gamma - 5}{3} = \frac{2 - 12}{4}$$

$$\vec{v}_s(-1, 3, 4) \quad \vec{P}_s(-7, 5, 12)$$

$$r \equiv \begin{cases} 2x - \gamma + 2z + 6 = 0 \\ 3x + \gamma + 2z = 0 \end{cases}$$

$$x=0 \quad \begin{cases} -\gamma + 2z + 6 = 0 \\ \gamma + 2z = 0 \end{cases}$$

$$3z + 6 = 0 \rightarrow z = -2$$

$$\rightarrow \gamma = 4$$

$$\vec{P}_r(0, 4, -2)$$

$$\begin{vmatrix} \vec{i} & \vec{j} & \vec{k} \\ 2 & -1 & 1 \\ 3 & 1 & 2 \end{vmatrix} = -2\vec{i} + 3\vec{j} + 2\vec{k} + 3\vec{k} - \vec{i} - 4\vec{j} = -3\vec{i} - \vec{j} + 5\vec{k}$$

$$\vec{v}_r(-3, -1, 5)$$

$$M^* = \begin{pmatrix} \vec{v}_s & \vec{v}_r & \vec{P}_r \vec{P}_s \\ -1 & -3 & 7 \\ 3 & -1 & -1 \\ 4 & 5 & -14 \end{pmatrix}$$

$M$

$$\rightarrow \text{Rang}(M) = 2$$

$$\begin{vmatrix} -1 & -3 \\ 3 & -1 \end{vmatrix} = 1 + 9 = 10 \neq 0$$

$$|M^*| = 0 \Rightarrow \text{Rang}(M^*) = 2$$

LAS RECTAS  $s$  Y  $r$  SON SECANTES.