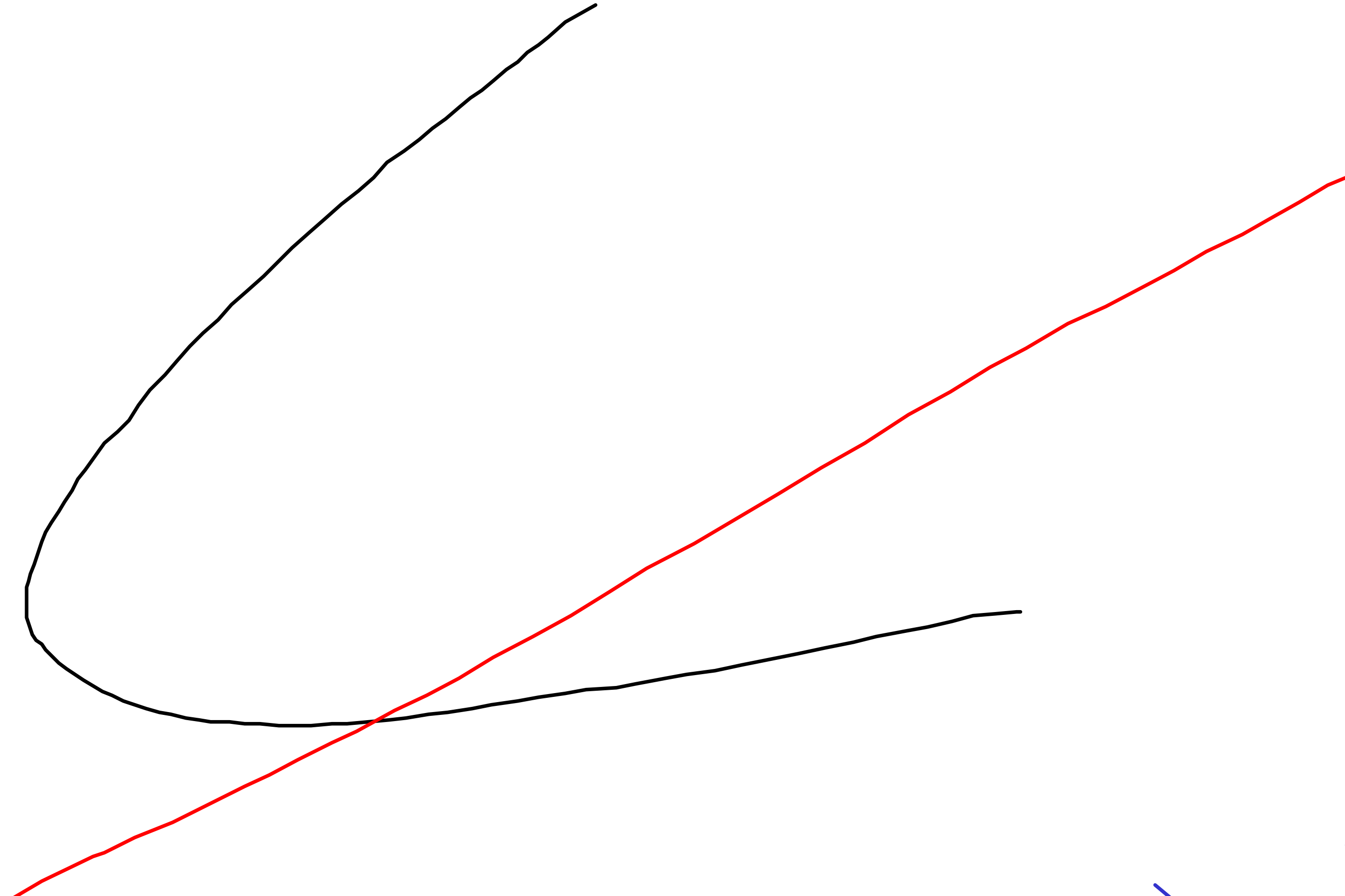
$$P \equiv (\overline{X}_0 \;\text{—}\; \overline{X}_n)$$

$$\tau(P) : (\overline{X}_0 \;\text{—}\; \overline{X}_n) \cdot A \cdot \begin{pmatrix} X_0 \\ | \\ X_n \end{pmatrix} = 0$$

$$P \in \tau(P) \iff (\overline{X}_0 \;\text{—}\; \overline{X}_n) \cdot A \begin{pmatrix} \overline{X}_0 \\ | \\ \overline{X}_n \end{pmatrix} = 0$$

$$\iff P \in \mathrm{Im}[f]$$



$\Gamma : x^2 - 2xy + y^2 - 6x + 1 = 0$

$\eta \mid y = x$

$x = \dfrac{X_1}{X_0}$

$y = \dfrac{X_2}{X_0}$

X_0^2

$$\begin{cases} \cancel{x^2} - \cancel{2x^2} + \cancel{x^2} - 6x + 1 = 0 \\ y = x \end{cases} \qquad \begin{cases} x = \frac{1}{6} \\ y = \frac{1}{6} \end{cases}$$

$$\Gamma, \quad \begin{cases} X_1^2 - 2X_1X_2 + X_2^2 - 6X_1X_0 + X_0^2 = 0 \\ X_2 = X_1 \end{cases}$$

$$\begin{cases} \cancel{X_1^2} - \cancel{2X_1^2} + \cancel{X_1^2} - 6X_1X_0 + X_0^2 = 0 \\ X_2 = X_1 \end{cases} \qquad \begin{cases} X_0(-6X_1 + X_0) = 0 \\ X_2 = X_1 \end{cases}$$

$$\begin{cases} x_0 = 0 \\ x_1 = x_2 \end{cases}$$

scelgo $x_1 = 1$

$(0, 1, 1)$

$$\begin{cases} -6x_1 + x_0 = 0 \\ x_2 = x_1 \end{cases}$$

Scelgo $x_1 = 1$

$(6, 1, 1)$ pro.

$\left(\frac{1}{6}, \frac{1}{6}\right)$ dff

$l_1: \quad x - 2y + 3 = 0$

$l_2: \quad x + y - 5 = 0$

$\Gamma: \quad (x - 2y + 3)(x + y - 5) = 0$

$$x^2 - 2xy + 3x +$$
$$-2xy - 2y^2 + 10y +$$
$$+3x + 3y - 15 =$$

$$x^2 - 4xy - 2y^2 + 6x + 3y - 15 = 0$$
$$X_1^2 - 4X_1X_2 - 2X_2^2 + 6X_1X_0 + 3X_2X_0 - 15X_0^2 = 0$$