

XVII-1

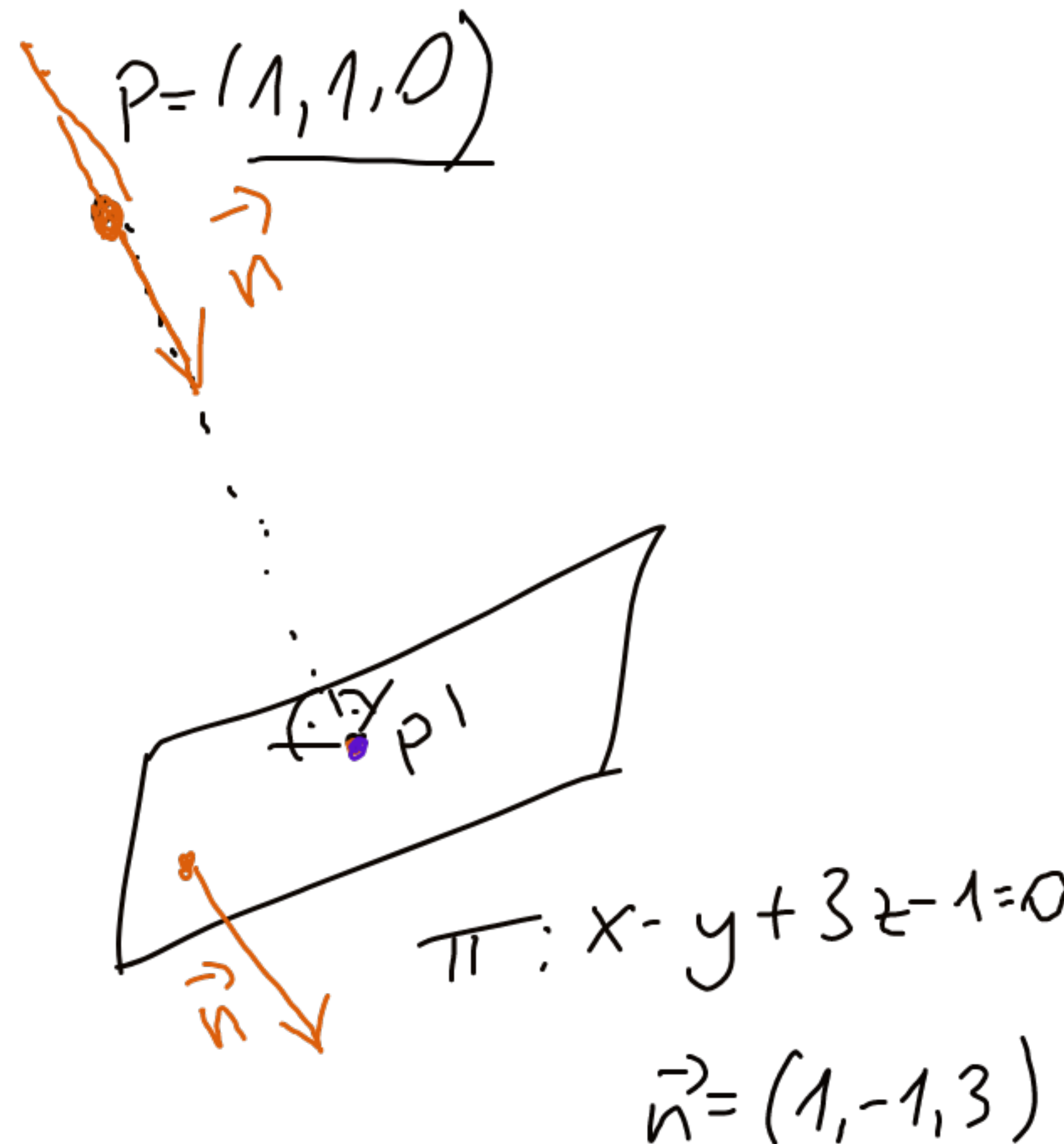
{ Bieguny prostej $l \ni P, l \perp \pi$

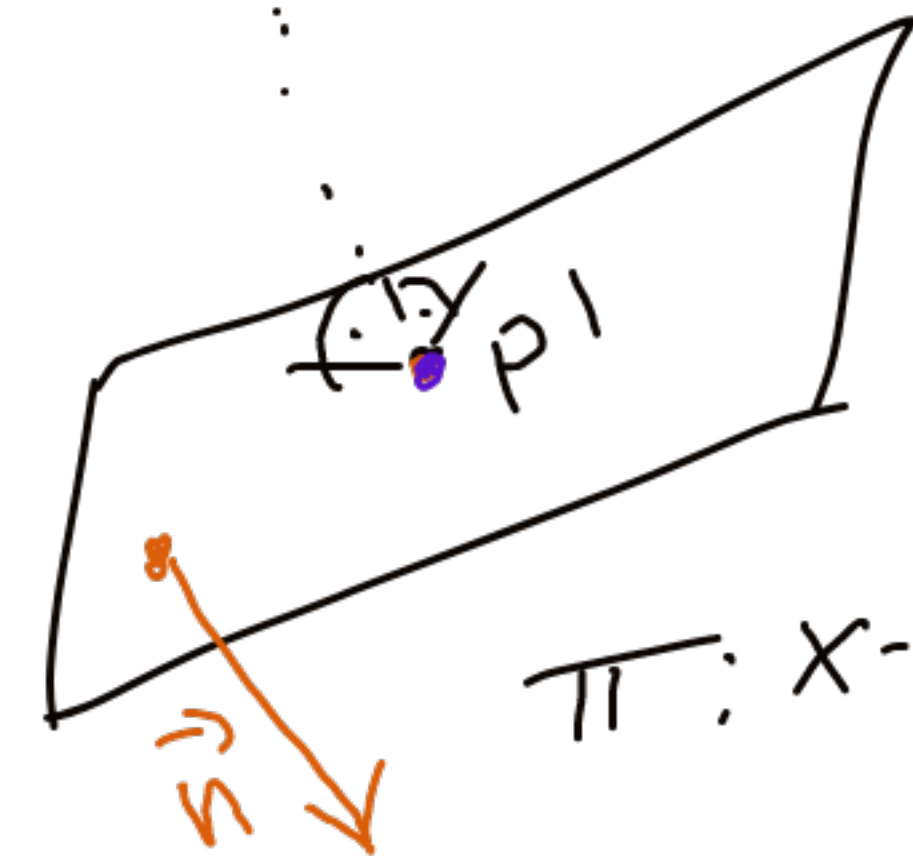
{ $\{P'\} = l \cap \pi$

$$l: \begin{cases} x = 1 + 1 \cdot t \\ y = 1 + (-1) \cdot t \\ z = 0 + 3 \cdot t \end{cases} \quad \left. \begin{array}{l} t \in \mathbb{R} \\ \text{sklad } 4 \text{ v\u0119m\u00e1n\u00ed} \end{array} \right\}$$

$$\pi: x - y + 3z - 1 = 0$$

$P = (1, 1, 0)$





$$\pi: x - y + 3z - 1 = 0$$

$$\vec{n} = (1, -1, 3)$$

$\rightarrow 1 + t - (1 - t) + 9t - 1 = 0$

$$11t = 1 \quad t = \frac{1}{11}$$

$$\begin{cases} x = 1 + \frac{1}{11} \\ y = 1 - \frac{1}{11} \\ z = \frac{3}{11} \end{cases}$$

\leftarrow odp