

Chapitre 11 – Exercice 67

Copie d'écran Xcas en mode Geo 3d

1	$P := \text{plan}(5x - 2y = 7)$ $\text{pnt}(\text{pnt}[\text{hyperplan}([5, -2, 0], \text{point}[0, -7/2, 0]), 0, "P"])$
2	$d1 := \text{droite}([1 + t, -3 + t, 5 + t], t)$ $\text{pnt}(\text{pnt}[\text{line}[\text{point}[1, -3, 5], \text{point}[2, -2, 6]], 0, "d1"])$
3	$\text{est_parallele}(d1, P)$ 0
4	$\text{inter}(d1, P)$ $[\text{pnt}(\text{pnt}[\text{point}[-1/3, -13/3, 11/3], 0])]$
5	$d2 := \text{droite}([2 + 2t, 1 + 5t, -3 + t], t)$ $\text{pnt}(\text{pnt}[\text{line}[\text{point}[2, 1, -3], \text{point}[4, 6, -2]], 0, "d2"])$
6	$\text{est_parallele}(d2, P)$ 1
7	$\text{est_element}(\text{point}([2, 1, -3]), P)$ 0
8	$d3 := \text{droite}([3, 4, 2 + 5t], t)$ $\text{pnt}(\text{pnt}[\text{line}[\text{point}[3, 4, 2], \text{point}[3, 4, 7]], 0, "d3"])$
9	$\text{est_parallele}(d3, P)$ 1
10	$\text{est_element}(\text{point}([3, 4, 2]), P)$ 1