

Chapitre 10 – Exercice 78

Enoncé

1	$A := \text{point}(3, -1, 5); B := \text{point}(-2, 1, 3); C := \text{point}(4, 0, 2); D := \text{point}(2, 2, -1)$ $[\text{pnt}(\text{pnt}[\text{point}[3, -1, 5], 0, "A"]), \text{pnt}(\text{pnt}[\text{point}[-2, 1, 3], 0, "B"]), \text{pnt}(\text{pnt}[\text{point}[4, 0, 2], 0, "C"]), \text{pnt}(\text{pnt}[\text{point}[2, 2, -1], 0, "D"])]$
2	$\text{coordonnees}(\text{vecteur}(B, C))$ $[6, -1, -1]$
3	$\text{coordonnees}(\text{vecteur}(B, D))$ $[4, 1, -4]$
4	$\text{coordonnees}(\text{vecteur}(B, A))$ $[5, -2, 2]$
5	$\text{resoudre}([(6u+4v=5, -u+v=-2, -u-4v=2)], [u, v])$ $[]$

Question b.

1	$B := \text{point}(-2, 1, 3); C := \text{point}(4, 0, 2); D := \text{point}(2, 2, -1); E := \text{point}(0, 4, -4);$ $[\text{pnt}(\text{pnt}[\text{point}[-2, 1, 3], 0, "B"]), \text{pnt}(\text{pnt}[\text{point}[4, 0, 2], 0, "C"]), \text{pnt}(\text{pnt}[\text{point}[2, 2, -1], 0, "D"]), \text{pnt}(\text{pnt}[\text{point}[0, 4, -4], 0, "E"])]$
2	$\text{coordonnees}(\text{vecteur}(B, C))$ $[6, -1, -1]$
3	$\text{coordonnees}(\text{vecteur}(B, D))$ $[4, 1, -4]$
4	$\text{coordonnees}(\text{vecteur}(B, E))$ $[2, 3, -7]$
5	$\text{resoudre}([(6u+4v=2, -u+v=3, -u-4v=-7)], [u, v])$ $[[-1, 2]]$