

## Chapitre 11 – exercice 68

Copie d'écran Xcas en mode Geo 3d

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1 P1:=plan(2x+y+2z+1=0)
    pnt(pnt[hyperplan([2,1,2],point[0,0,-1/2]),0,"P1"])
2 P2:=plan(x-2y+6z=0)
    pnt(pnt[hyperplan([1,-2,6],point[0,0,0]),0,"P2"])
3 est_parallel(P1,P2)
    0
4 resoudre([2x+y+2z+1=0,x-2y+6z=0],[x,y,z])
    [[x,-1/5*(5*x+3),(5*-1/5*(5*x+3)+1)/10]]
5 simplifier(ans())
    [[x,(-5*x-3)/5,(-5*x-2)/10]]
6 resoudre([2x+y+2z+1=0,x-2y+6z=0],[y,x,z])
    [[y,1/5*(-5*y-3),(-5*1/5*(-5*y-3)-2)/10]]
7 simplifier(ans())
    [[y,(-5*y-3)/5,(5*y+1)/10]]
8 resoudre([2x+y+2z+1=0,x-2y+6z=0],[z,x,y])
    [[z,-1/5*(10*z+2),(5*-1/5*(10*z+2)+3)/-5]]
9 simplifier(ans())
    [[z,(-10*z-2)/5,(10*z-1)/5]]
```