

```
> restart : # Core-ThreeCities.mw
```

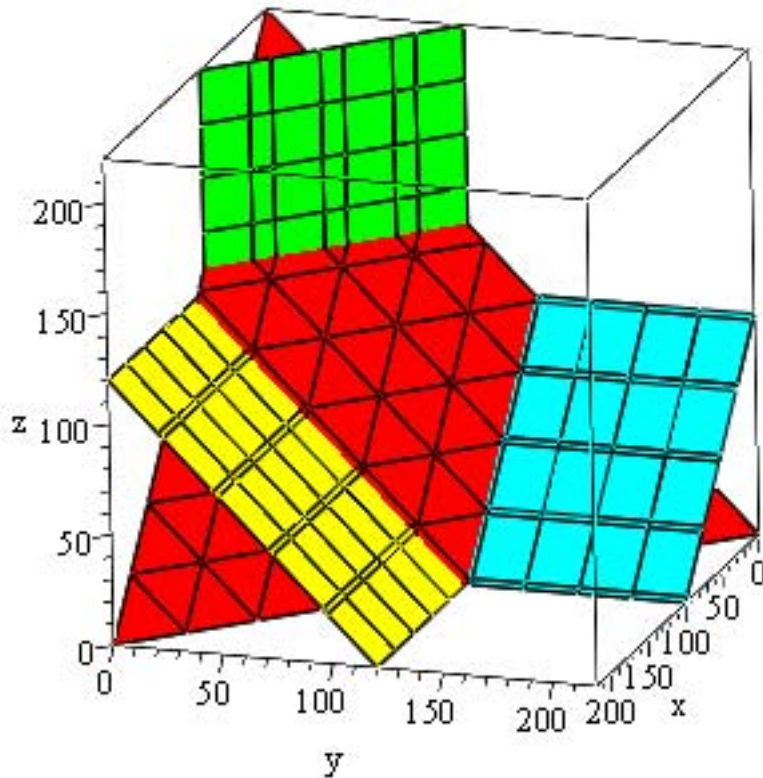
```
> with(plots)
```

```
[animate, animate3d, animatecurve, arrow, changecoords, complexplot, complexplot3d,  
conformal, conformal3d, contourplot, contourplot3d, coordplot, coordplot3d, densityplot,  
display, dualaxisplot, fieldplot, fieldplot3d, gradplot, gradplot3d, graphplot3d, implicitplot,  
implicitplot3d, inequal, interactive, interactiveparams, intersectplot, listcontplot,  
listcontplot3d, listdensityplot, listplot, listplot3d, loglogplot, logplot, matrixplot, multiple,  
odeplot, pareto, plotcompare, pointplot, pointplot3d, polarplot, polygonplot, polygonplot3d,  
polyhedra_supported, polyhedraplot, rootlocus, semilogplot, setcolors, setoptions,  
setoptions3d, spacecurve, sparsematrixplot, surfdata, textplot, textplot3d, tubeplot]
```

(1)

```
> implicitplot3d([x + y + z = 220, x + y = 90, x + z = 100, y + z = 120], x = 0 .. 220, y = 0 .. 220, z  
= 0 .. 220, axes = boxed, shading = none, color = [red, green, cyan, yellow])
```

```
> implicitplot3d([x + y + z = 220, x + y = 90, x + z = 100, y + z = 120], x = 0 .. 220, y = 0 .. 220, z  
= 0 .. 220, axes = boxed, shading = none, color = [red, green, cyan, yellow])
```



```
>
```

```
> solve({x + y = 90, x + y + z = 220, x = 0}); solve({x + y = 90, x + y + z = 220, y = 0})  
          {x = 0, y = 90, z = 130}  
          {x = 90, y = 0, z = 130}
```

(2)

```
> solve( {x + z = 100, x + y + z = 220, x = 0} ); solve( {x + z = 100, x + y + z = 220, z = 0} )
      {x = 0, y = 120, z = 100}
      {x = 100, y = 120, z = 0}
=
> solve( {y + z = 120, x + y + z = 220, y = 0} ); solve( {y + z = 120, x + y + z = 220, z = 0} )
      {x = 100, y = 0, z = 120}
      {x = 100, y = 120, z = 0}
=
>
```