Ej_003

DivideSrf

```
import Rhino. Geometry as rg
from Grasshopper import DataTree as Tree
from Grasshopper.Kernel.Data import GH_Path as Path
ptList = []
ptTree = Tree[object]()
pl = []
for i in range(uDiv+1):
  ptListTemp = []
  for j in range(vDiv+1):
     tempPt = srf.Evaluate(i/uDiv,j/vDiv,2)[1]
     ptTree.Add(tempPt,Path(i))
     ptListTemp.append(tempPt)
  ptList.append(ptListTemp)
for i in range(uDiv):
  for j in range(vDiv):
     pt1 = ptList[i][j]
     pt2 = ptList[i+1][j]
     pt3 = ptList[i][j+1]
     pt4 = ptList[i+1][j+1]
     pl.append(rg.Polyline([pt1,pt2,pt4,pt3,pt1]))
```

Planarize

```
import Rhino.Geometry as rg
import rhinoscriptsyntax as rs

#Creamos un plano con tres puntos cualesquiera
plane = rg.Plane(pts[0],pts[1],pts[2])

#Proyectamos el punto 3 sobre el plano calculado
newPt3 = plane.ClosestPoint(pts[3])

#Calculamos el desplazamiento de cada punto
dev = pts[3].DistanceTo(newPt3)
```