

DISK TO REGULAR POLYGON

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<https://ggbm.at/y8dyfawn>

```
1 var ap=ggbApplet;
2 var sections=ap.getValue("sections");
3 var arco;
4 var lista_aux;
5 var cadena;
6 var nombres=Array("arco0","arco1","arco2","arco3","arco4","arco5","arco6","arco7","
  arco8","arco9","arco10","arco11","arco12","arco13","arco14","arco15","arco16","
  arco17","arco18","arco19","arco20","arco21","arco22","arco23","arco24","arco25");
7 var colMax=0.71;
8 var colMin=0.31;
9 var dif=(colMax-colMin)/sections;
10 var red=0.43
11 var green=0.2;
12 var blue=0.15;
13 for(var i=1;i<=25; i=i+1){
14   ap.evalCommand("Delete("+nombres[i]+")");
15 }
16 for(var i=1;i<=sections; i=i+1){
17   var val=i+1;
18   colMin+=dif;
19   if(i<sections){
20     arco=ap.evalCommandGetLabels("Translate(Element(L_4,"+i+"),Vector(Element(L_3,"+
      val+")))");
21     ap.evalCommand("ShowLabel("+arco+", "+false+")");
22     ap.evalCommand("SetLineThickness("+arco+",1)");
23
24     ap.evalCommand("SetDynamicColor("+arco+", "+colMin+", "+green+", "+blue+", "+1+)");
25     ap.evalCommand("Rename("+arco+", "+nombres[i]+")");
26   }else {
27     arco=ap.evalCommandGetLabels("Translate(Element(L_4,"+i+"),Vector(Element(L_3,"+1+
      )))");
28     ap.evalCommand("ShowLabel("+arco+", "+false+")");
29     ap.evalCommand("SetLineThickness("+arco+",1)");
30     ap.evalCommand("SetDynamicColor("+arco+", "+colMin+", "+green+", "+blue+", "+1+)");
31     ap.evalCommand("Rename("+arco+", "+nombres[i]+")");
32   }
33 }
```

Listing 1: CODE