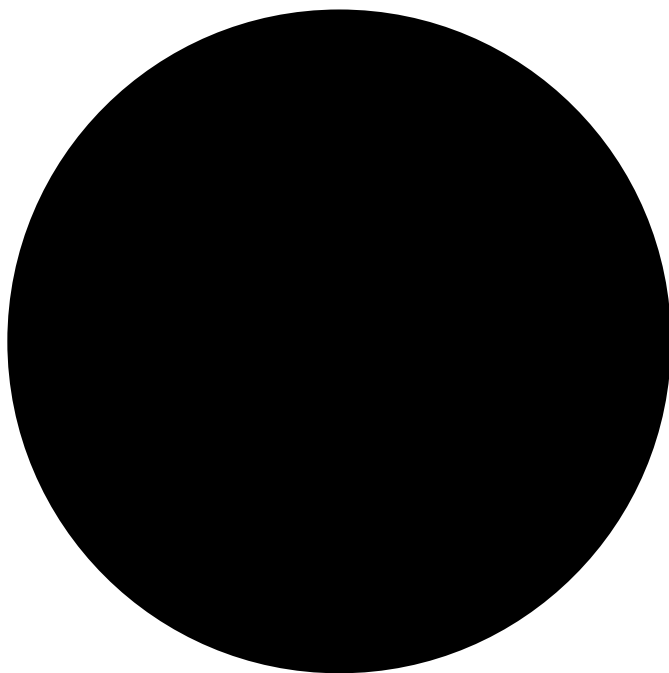


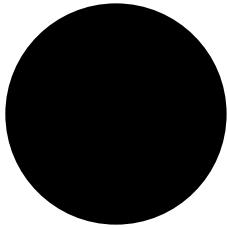
Fraktali so negibne točke

Preslikava f preslika množico S v unijo treh kopij S , skrčenih za faktor $1/2$:

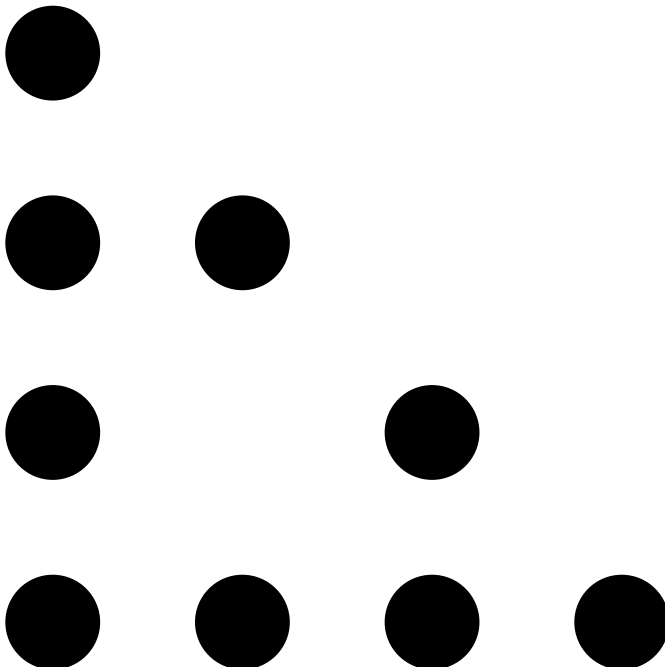
```
In[ ]:= f[s_] :=  
  {Scale[s, 0.5],  
   Translate[Scale[s, 0.5], {0.5, 0}],  
   Translate[Scale[s, 0.5], {0, 0.5}]  
  }  
  
In[ ]:= Graphics[Disk[{0.7, 0.3}, 0.25]]  
Out[ ]:=
```



```
In[ ]:= Graphics[f[Disk[{0.7, 0.3}, 0.25]]]  
Out[ ]:=
```

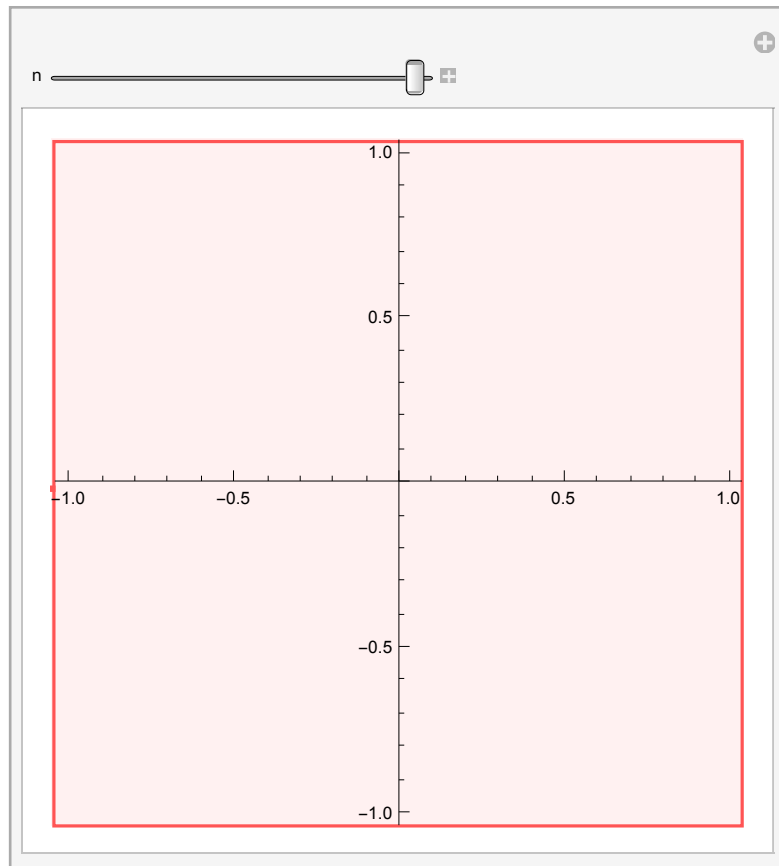


```
In[ ]:= Graphics[f[f[Disk[{0.7, 0.3}, 0.25]]]]  
Out[ ]:=
```



In[]:= Manipulate[Graphics[Nest[f, Disk[{0, 0}, 1 / 2], n], Axes → True], {n, 0, 6, 1}]

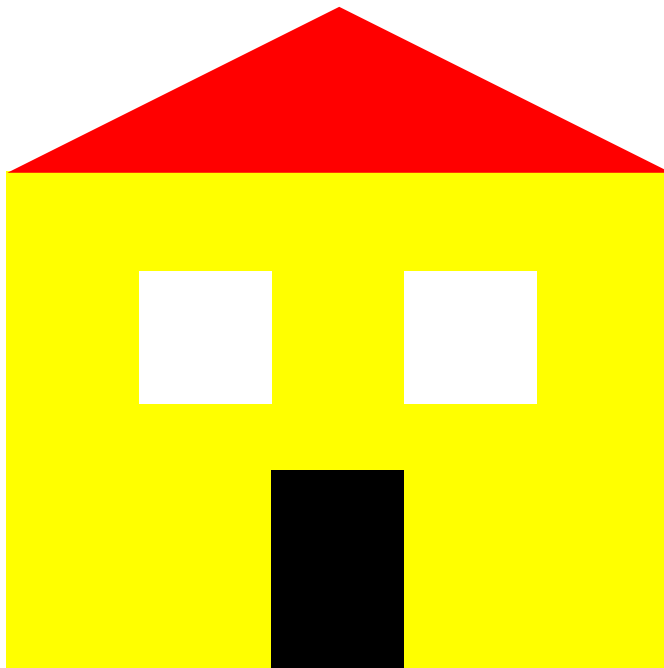
Out[]:=



```

In[ ]:= hisica = {{Yellow, Rectangle[{0, 0}, {1, 0.75}]},
  {Black, Rectangle[{0.4, 0}, {0.6, 0.3}]},
  {White, Rectangle[{0.2, 0.4}, {0.4, 0.6}]},
  {White, Rectangle[{0.6, 0.4}, {0.8, 0.6}]},
  {Red, Polygon[{0, 0.75}, {0.5, 1}, {1, 0.75}]]}
};
Graphics[hisica]
Out[ ]:=

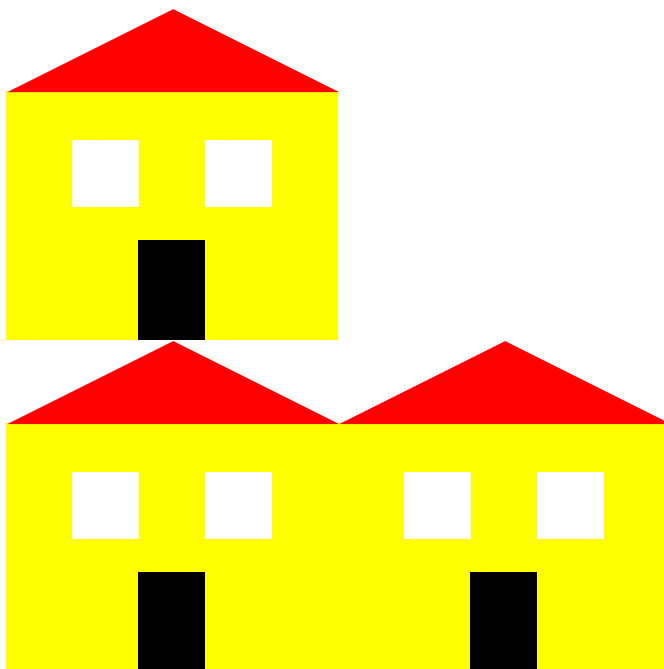
```



```

In[ ]:= Graphics[f[hisica]]
Out[ ]:=

```



```
In[ ]:= Manipulate[Graphics[Nest[f, hisica, n], Axes → True], {n, 0, 6, 1}]
```

Out[]=

