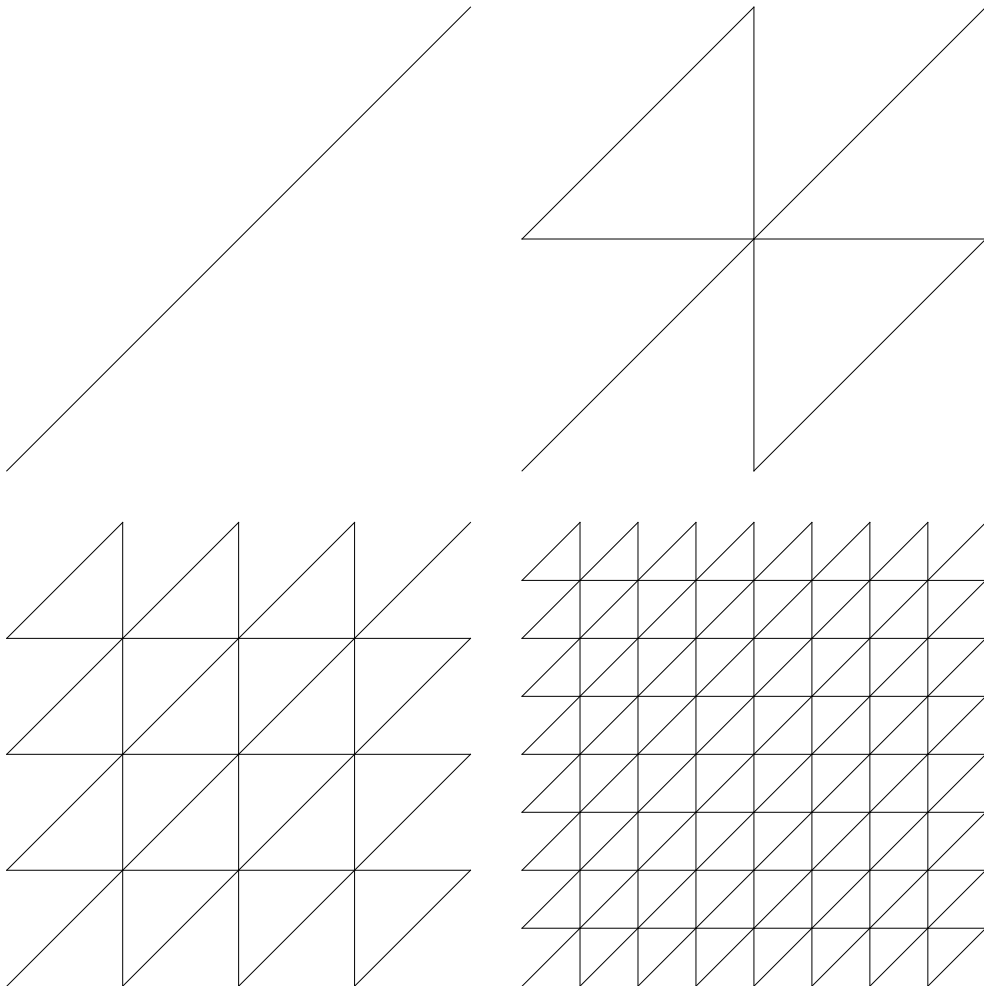


```

Peano[0] = DLine[{{0, 0}, {1, 1}}];
Peano[n_] := Peano[n-1] /. DLine[{{x0_, y0_}, {x1_, y1_}}] => {
  dx = x1 - x0; dy = y1 - y0;
  DLine[{{x0, y0}, {x0+1/2 dx, y0+1/2 dy}}],
  Line[{{x0+1/2 dx, y0+1/2 dy}, {x0+1/2 dx, y0}}],
  DLine[{{x0+1/2 dx, y0}, {x0+dx, y0+1/2 dy}}],
  Line[{{x0+dx, y0+1/2 dy}, {x0, y0+1/2 dy}}],
  DLine[{{x0, y0+1/2 dy}, {x0+1/2 dx, y0+dy}}],
  Line[{{x0+1/2 dx, y0+dy}, {x0+1/2 dx, y0+1/2 dy}}],
  DLine[{{x0+1/2 dx, y0+1/2 dy}, {x0+dx, y0+dy}}]
};
GraphicsGrid[Partition[
  Table[Graphics[Peano[n] /. DLine -> Line], {n, 0, 3}],
  2]]

```



```

AlmostPeano[0] = DLine[{{0, 0}, {1, 1}}];
AlmostPeano[n_] := AlmostPeano[n-1] /. DLine[{{x0_, y0_}, {x1_, y1_}}] => {
  dx = x1 - x0; dy = y1 - y0;
  DLine[{{x0, y0}, {x0 + 0.45 dx, y0 + 0.45 dy}}],
  Line[{{x0 + 0.45 dx, y0 + 0.45 dy}, {x0 + 0.55 dx, y0}}],
  DLine[{{x0 + 0.55 dx, y0}, {x0 + dx, y0 + 0.45 dy}}],
  Line[{{x0 + dx, y0 + 0.45 dy}, {x0, y0 + 0.55 dy}}],
  DLine[{{x0, y0 + 0.55 dy}, {x0 + 0.45 dx, y0 + dy}}],
  Line[{{x0 + 0.45 dx, y0 + dy}, {x0 + 0.55 dx, y0 + 0.55 dy}}],
  DLine[{{x0 + 0.55 dx, y0 + 0.55 dy}, {x0 + dx, y0 + dy}}]
};
GraphicsGrid[Partition[
  Table[Graphics[AlmostPeano[n] /. DLine -> Line], {n, 0, 3}],
  2]]

```

