

Module 2: Sequences

- Replicate points, line segments, and polygons using a sequence

Sequence((0+i,0),i,0,10,1)	Reproduce points in a horizontal line
Sequence((0,0+j),j,0,10,1)	Reproduce points in a vertical line
Sequence(Segment((0+i,0),(0.5+i,0)),i,0,10,1)	Reproduce line segments horizontally
Sequence(Segment((0,0+j),(0,0.5+j)),j,0,10,1)	Reproduce line segments vertically
Sequence(Polygon((0+i,0),(0+i,0.5),(0.5+i,0.5),(0.5+i,0)),i,0,10,1)	Reproduce quadrilaterals horizontally
Sequence(Polygon((0,0+j),(0,0.5+j),(0.5,0.5+j),(0.5,0+j)),j,0,10,1)	Reproduce quadrilaterals vertically

- Two-dimensional sequence to create a grid of points, line segments, or polygons

Sequence(Sequence((0+i,0+j),j,0,10,1),i,0,10,1)
<p>What happened?</p> <p>What happens when you change the increment?</p>

Sequence(Sequence(Segment((0+i,0+j),(0.5+i,0+j)),i,0,10,1),j,0,10,1)
<p>What happened?</p> <p>What happens when you change the increment?</p>
Sequence(Sequence(Polygon((0+i,0+j),(0+i,0.5+j),(0.5+i,0.5+j),(0.5+i,0+j)),i,0,10,1),j,0,10,1)
<p>What happened?</p> <p>What happens when you change the increment?</p>