Lists in GeoGebra

Steps og work with GeoGebra (without coordinate system).

1. Draw a triangle ABC (rather large)
2. Create a slider, name it n, from 0 to 20, increment 1
3. Type in at the bottom: Sequence[i / n *A + (n - i) / n* B, i, 0, n]
4. Typein at the bottom: Sequence[i / n *B+ (n - i) / n*C, i, 0, n]
5. Type in at the bottom: Sequence[Segment[Element[list1, i], Element[list2, i]], i, 1, n + 1]

- *What do you get?*
- *What the purpose of using a slider?*
  Change in step A und B ? What's the effect of this tiny change?
- *Now create pattern by using polygons and reflections, …*

It is easier to copy lines 3-5 and changing the points!

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