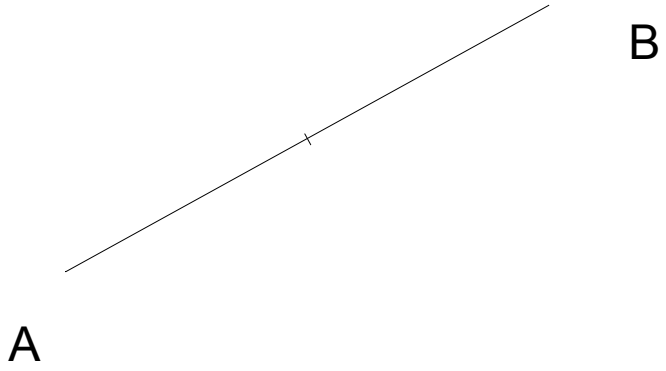
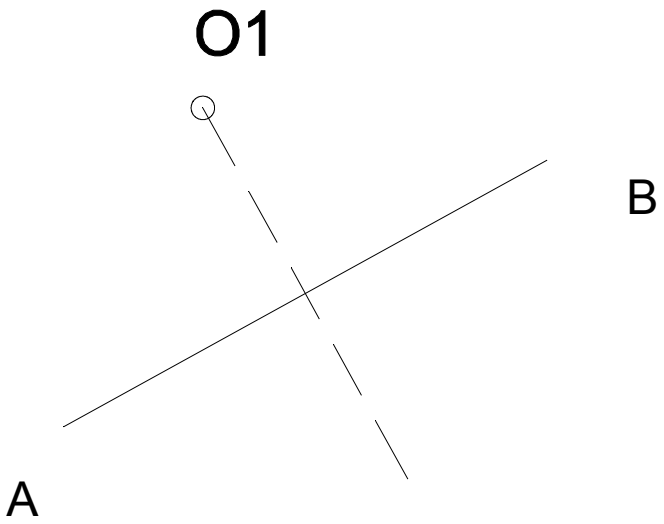
TANGENCY

Visual Arts Department
CPI Plurilingüe Cabo da Area. Laxe

We are going to draw a group of consecutive tangents arcs

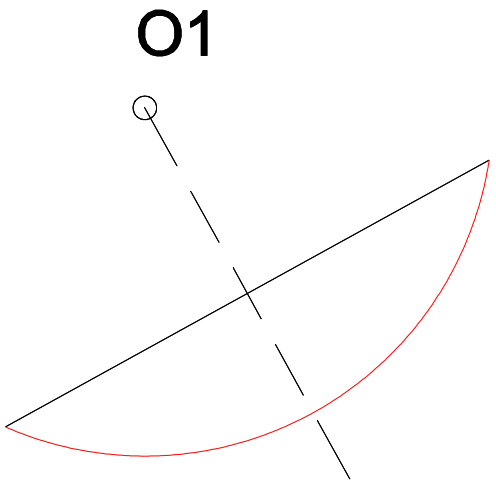
First- Draw a segment AB





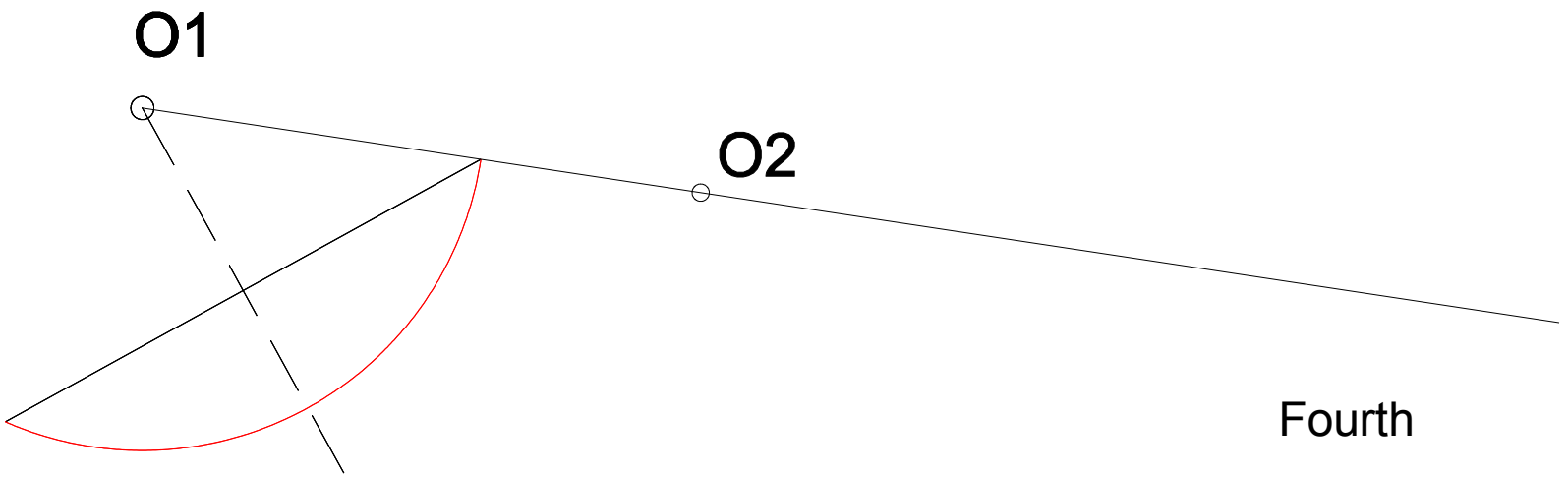
Second

Determine the perpendicular bisector of the segment AB and pick a point O1 which is going to be the first arc's centre.



Third

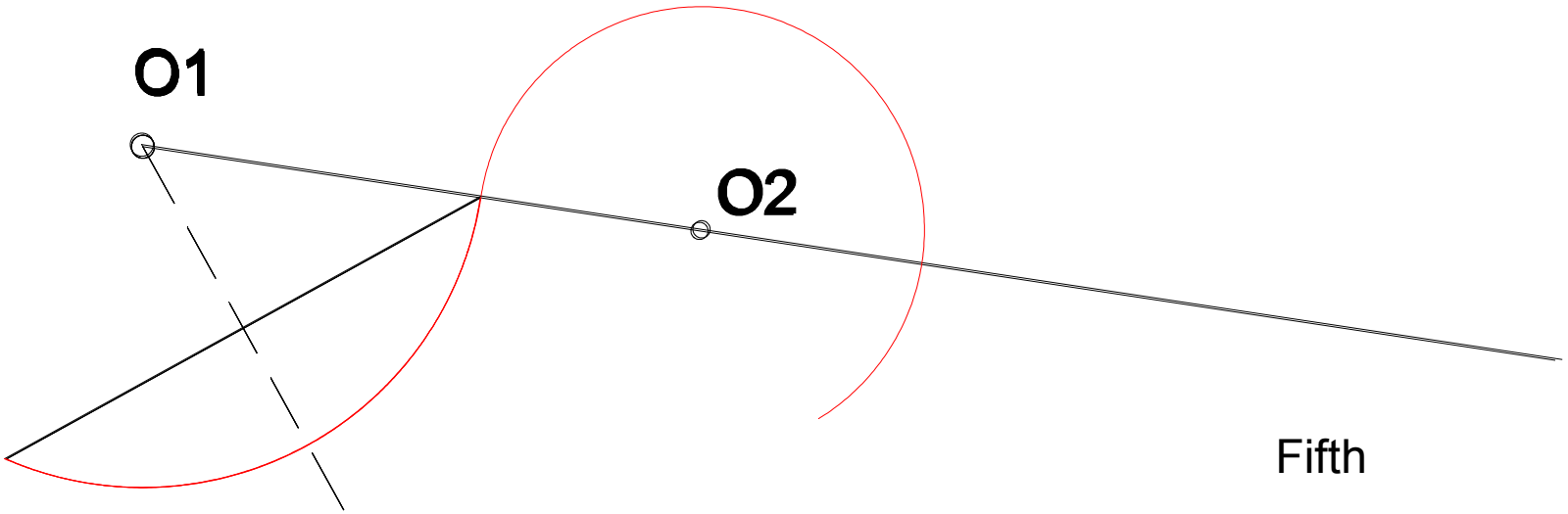
Draw the arc from A to B (segment's endpoints) you can always choose the arc above or below the segment.
In this particular case we'll take it under in order not to get it out of the sheet.



Fourth

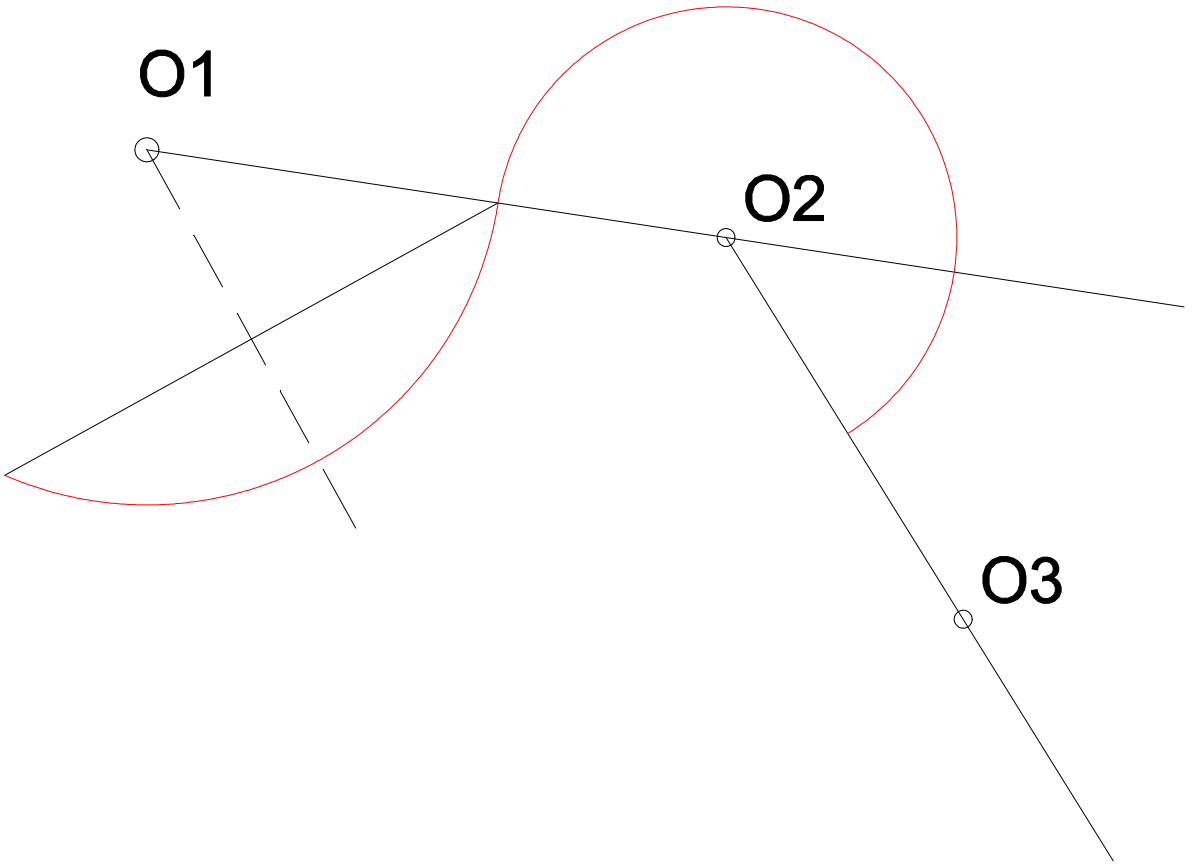
Draw a line that joints the first arc's centre with the endpoint

Choose a point (O2) that belongs to that line. This point is going to be the second centre



Fifth

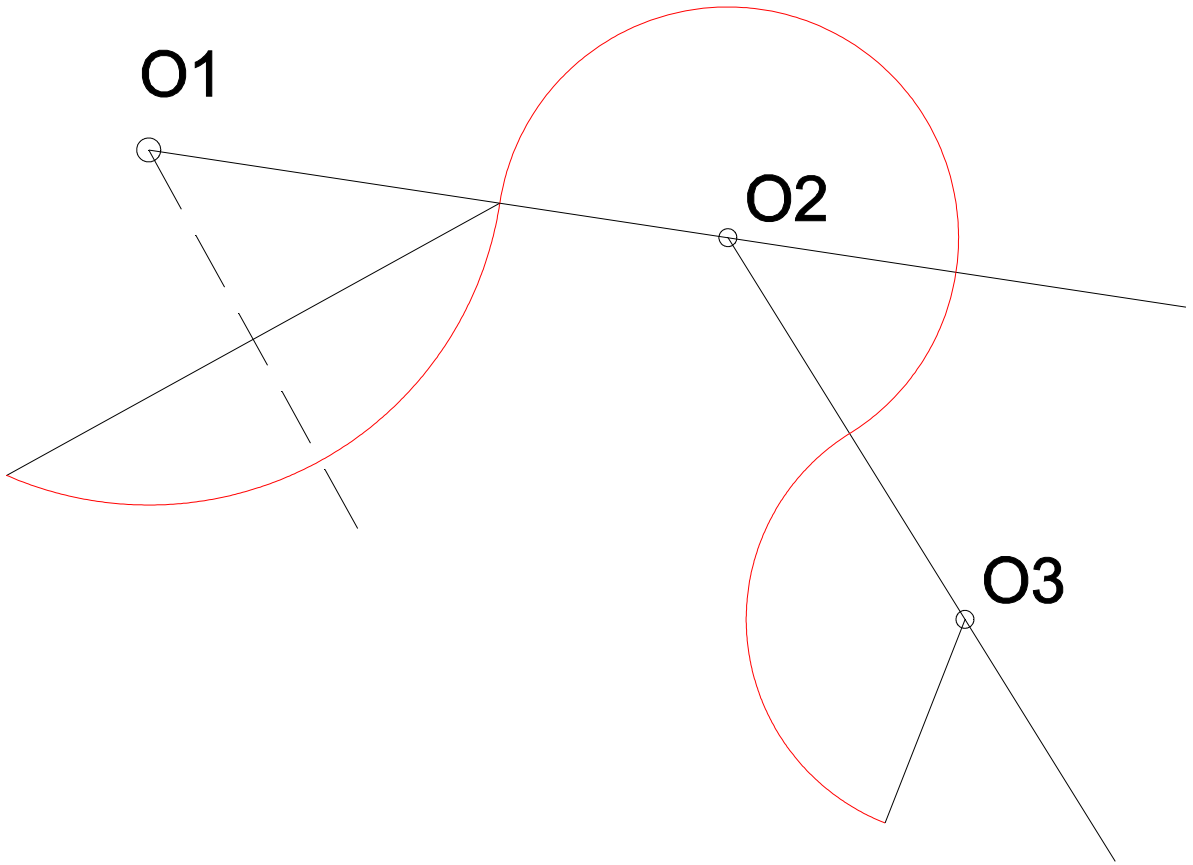
Draw the second arc From the endpoint to wherever you want to stop.



Sixth

Draw a new line that joints O2 with the new arc's endpoint

Pick the next centre O3 on that line

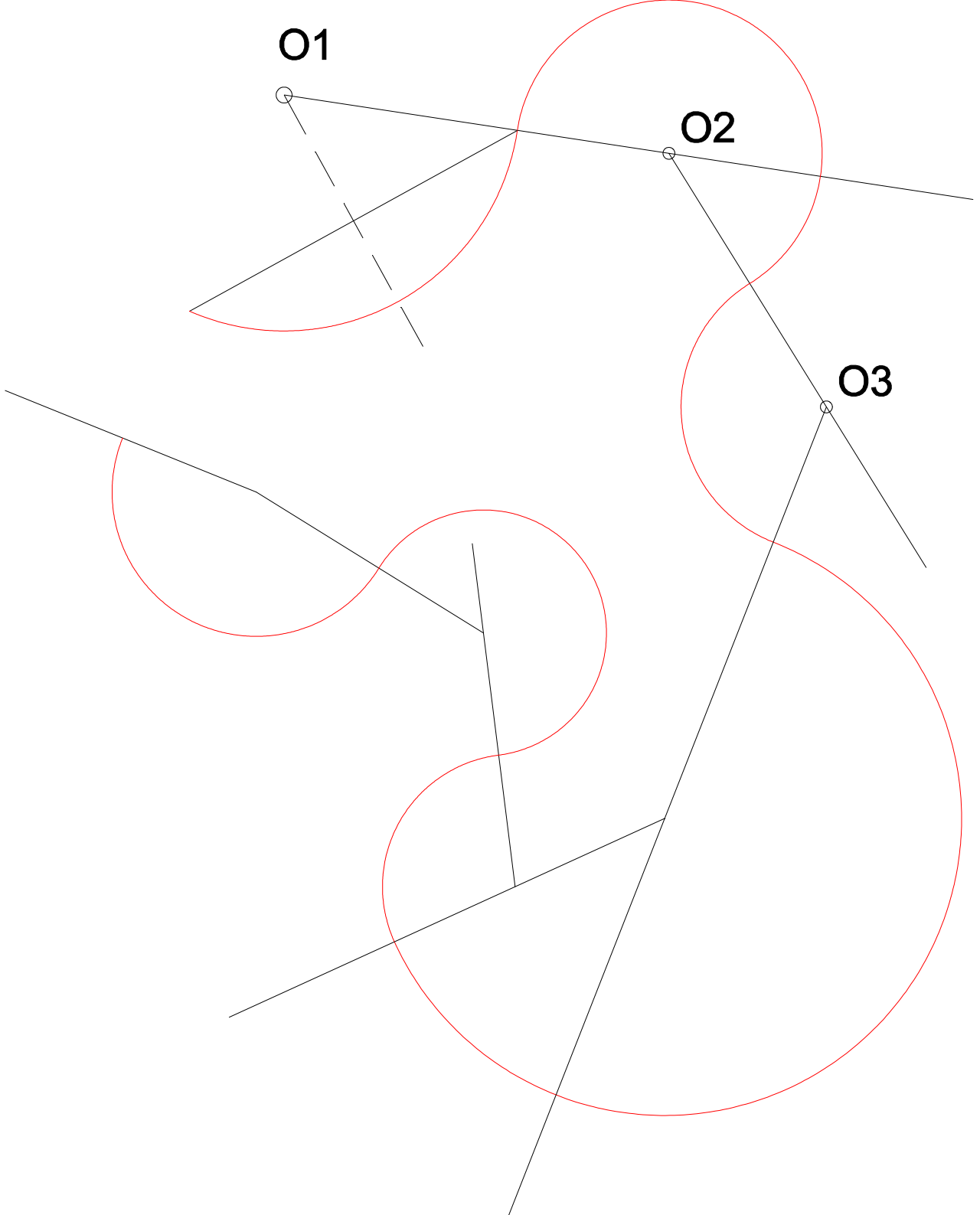


Seventh

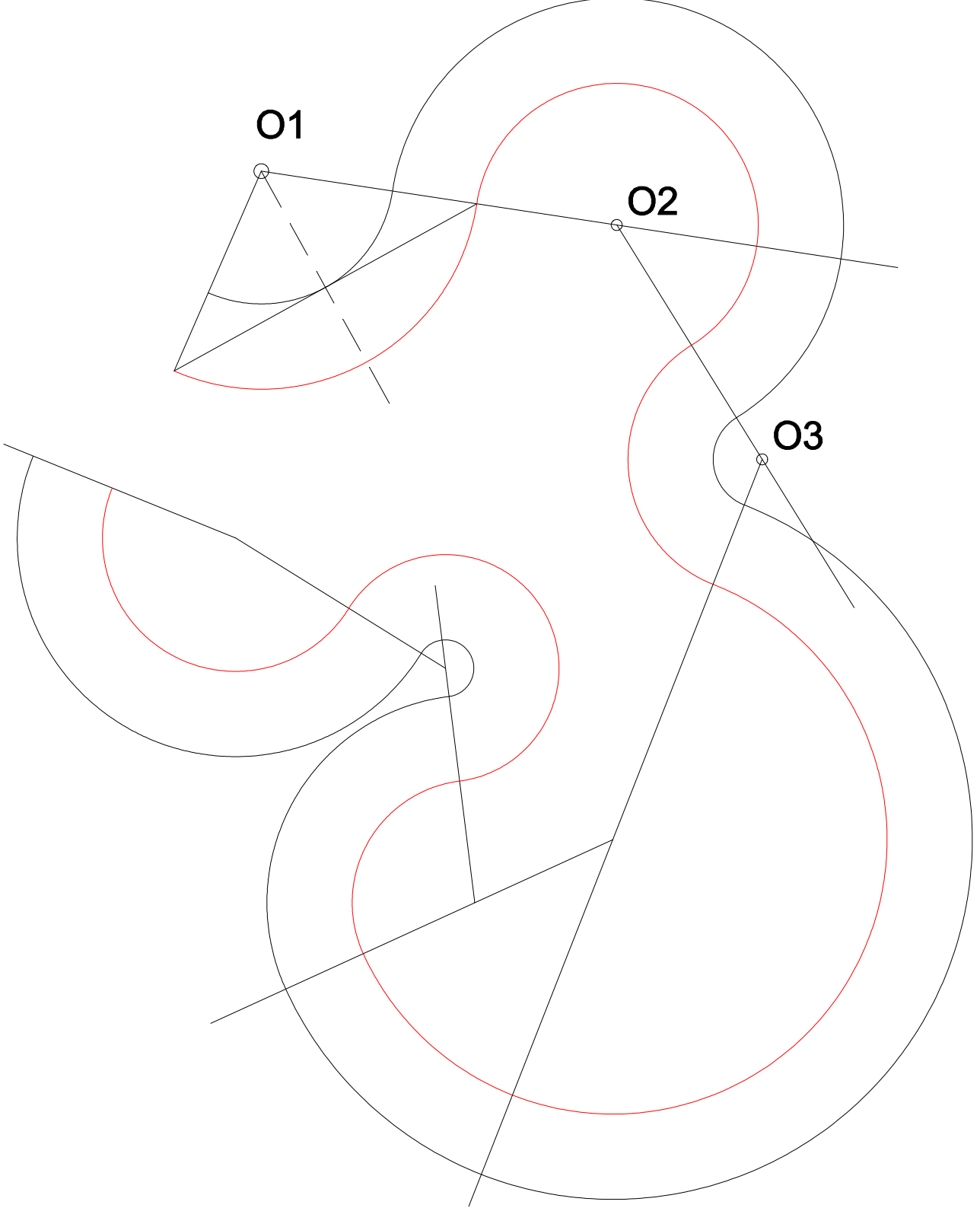
Draw a new line that joints O2 with the new arc's endpoint

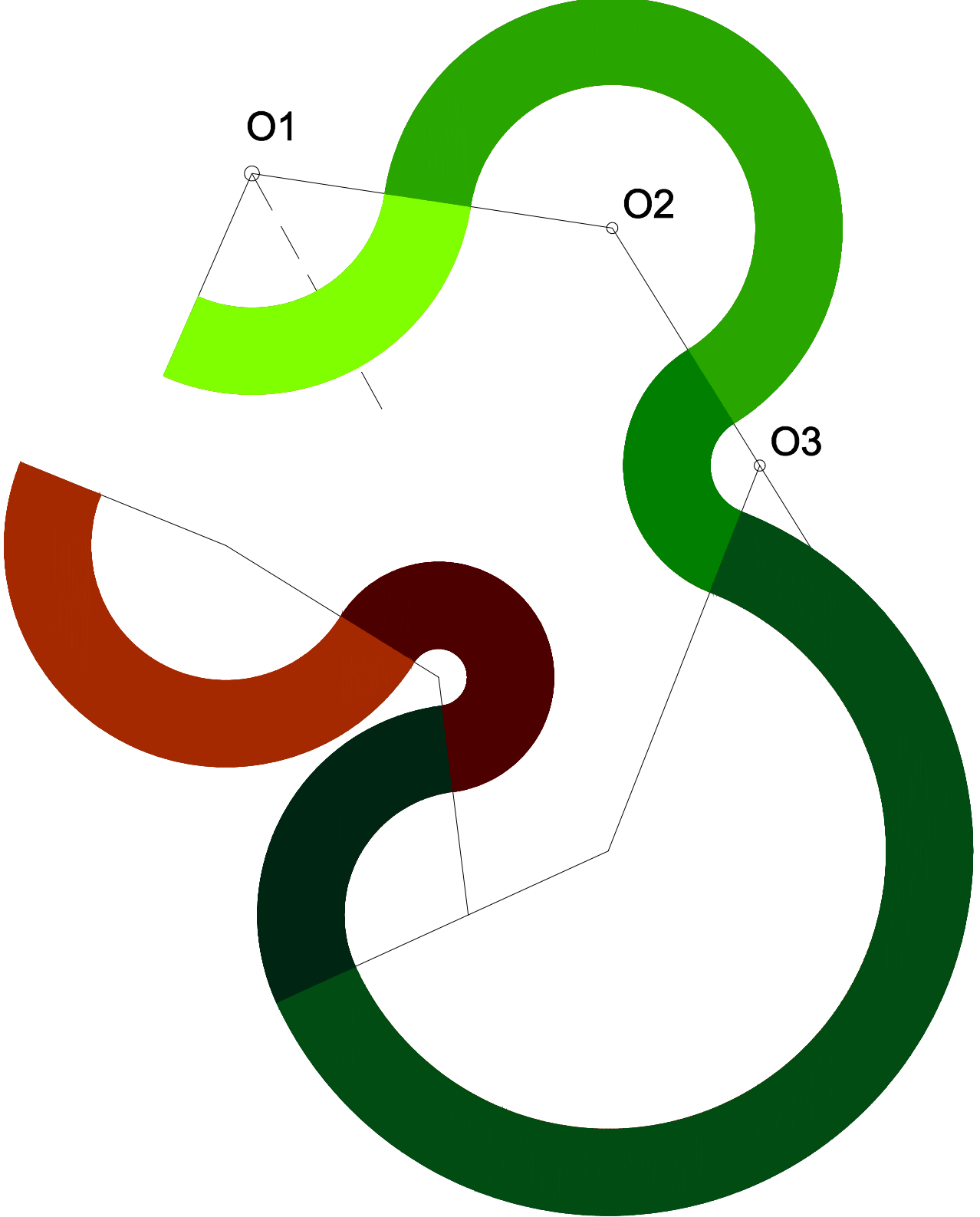
Pick the next centre O3 on that line

And so on

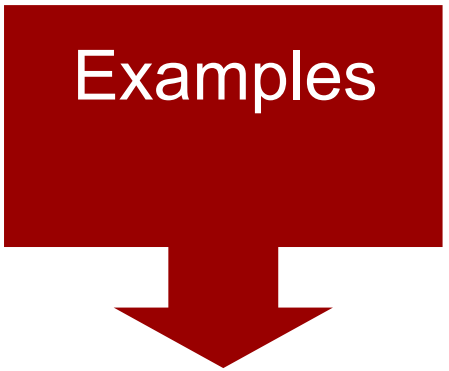


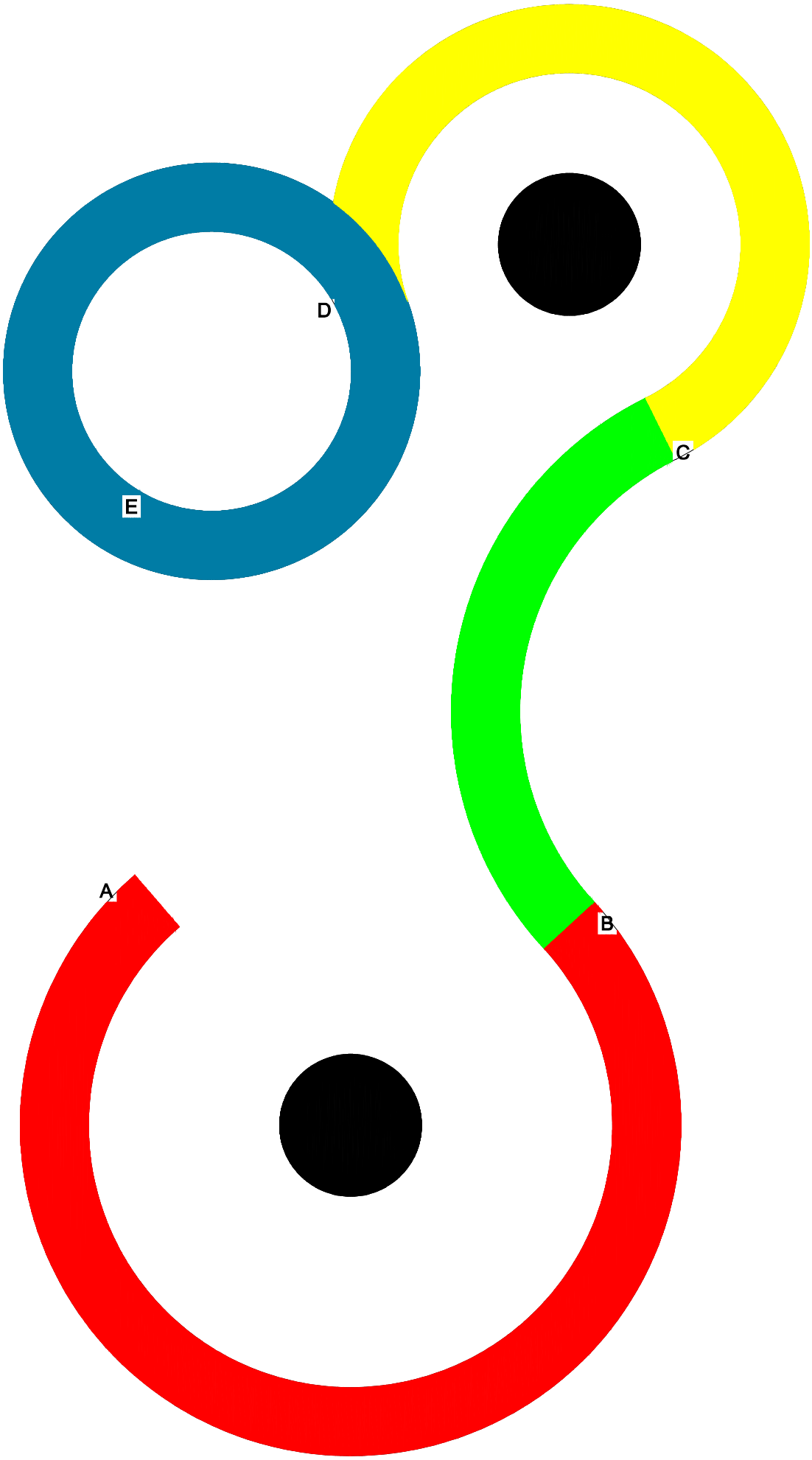
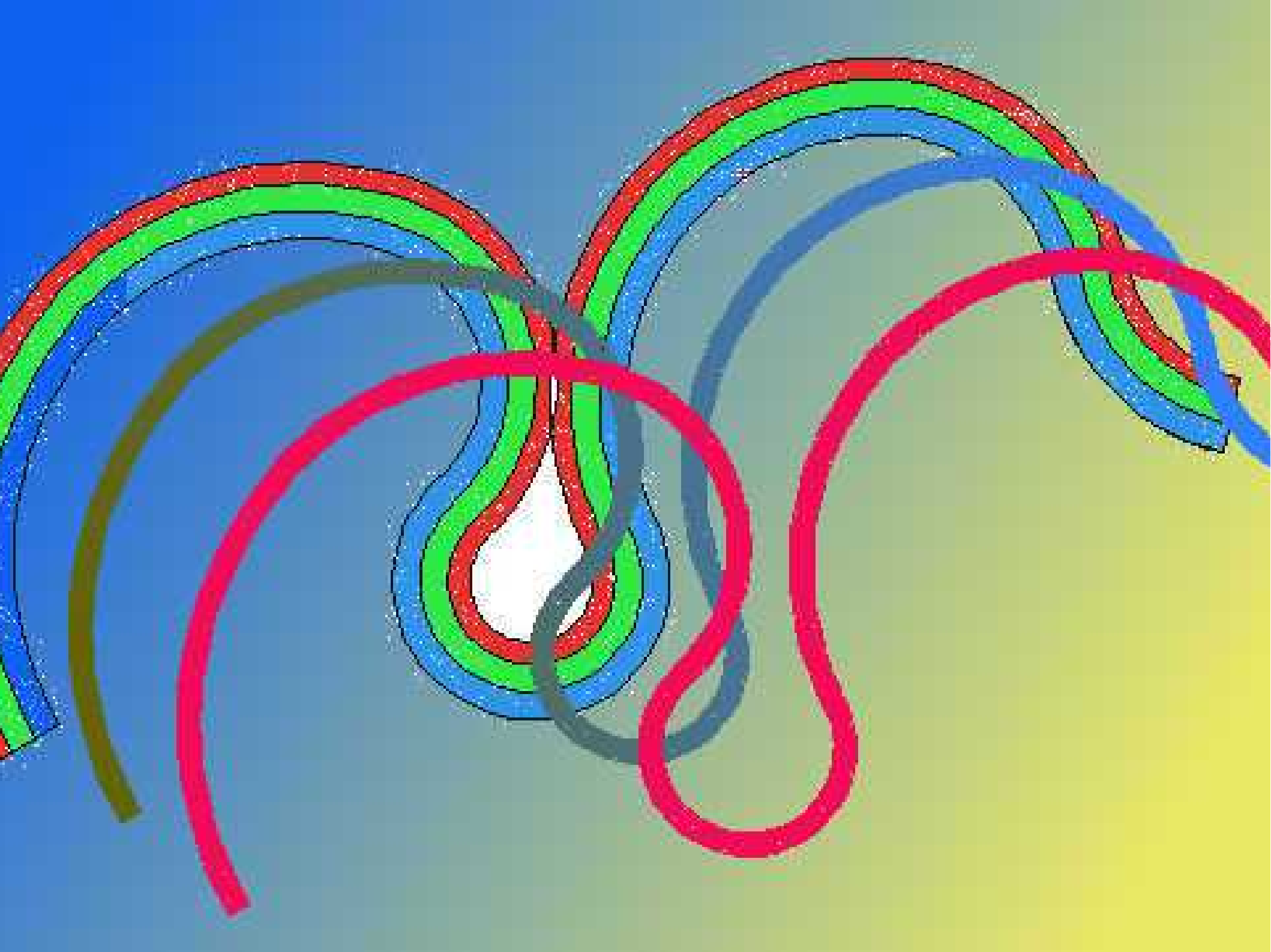
If you go on drawing tangent arcs you will get a nice design that can be finished with colours or/and patterns


O1
O2
O3


O1
O2
O3

Create a design based on this method




A
B
C
D
E