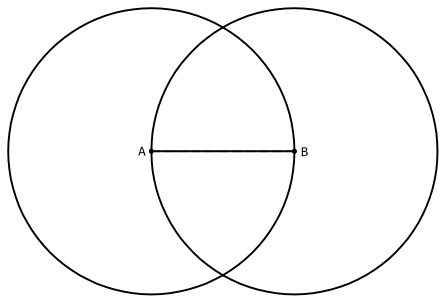


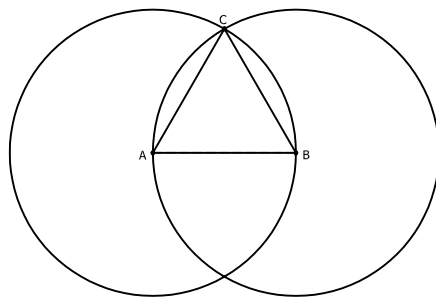
Euclid's Elements Book 1 Prop 1
 To construct an equilateral triangle on a given finite straight line A-B.

Elliptic Cross Vault Arch
 Construction Based
 Euclid's Elements Book 1 Prop 1

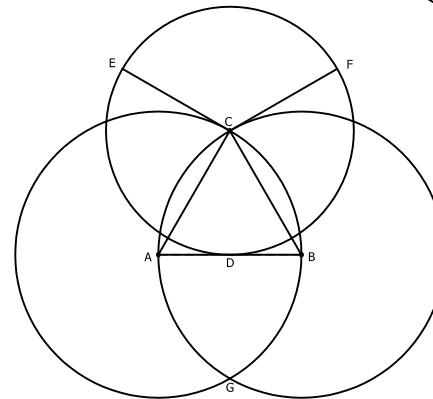
Draw Circles with center points A and B with radius AB



Draw equilateral triangle thru points ABC



Draw Circle CD with centerpoint C
 Draw EC perpendicular to AC
 Draw FC perpendicular to CB
 $EC = FC = DC$



Equilateral Gothic Arch AGB
 Ellipse
 Minor Radius = AB
 Major Radius = $AB * 2$

