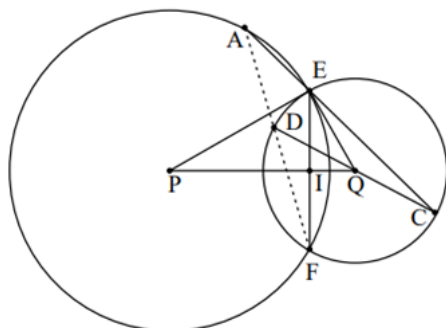


Example 97 : As shown in Figure 3, circle P and circle Q intersect at E and F , there is a point A on circle P , AE intersects circle Q at C , and CD is the diameter of circle Q . Prove that A , D and F are collinear.



$$\frac{D-F}{A-F} = \frac{C-E}{E-A} \left(\frac{F-D}{C-F} \frac{A-E}{A-F} \frac{E-F}{E-P} \right) \left(\frac{C-F}{C-E} / \frac{E-F}{E-P} \right),$$