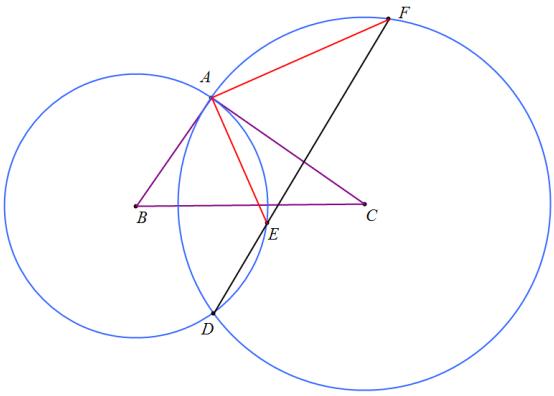

Example 195 : As shown in Figure 1 , $\triangle ABC$, $AB \perp AC$, take B, C as the center, BA, CA as the radius to draw a circle, intersection point A, D, there is E *on* circle B, extend DE to intersect DE at F, verify : $AE \perp AF$.

Proof: $\dfrac{A-E}{A-F}=\dfrac{\dfrac{D-F}{D-C}\dfrac{A-E}{A-D}\dfrac{F-C}{F-A}\dfrac{A-D}{A-B}\dfrac{A-B}{A-C}}{\dfrac{F-C}{F-D}\dfrac{D-F}{D-C}\dfrac{A-F}{A-C}\dfrac{F-D}{F-A}}$,