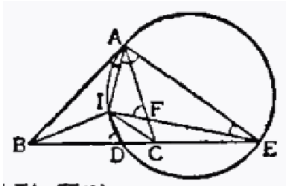

Example 1 47 : As shown in Figure 3, suppose △a circle is drawn through the center I of ABC and side AB cuts *at point A*, *and* the intersection point with BC is D and E, then IC bisects $\angle DIE$.

$$\frac{\frac{I-E}{I-C}}{\frac{I-C}{I-D}}=\frac{\frac{C-B}{C-I}}{\frac{C-A}{A-I}}\frac{\frac{A-I}{A-B}}{\frac{A-C}{A-I}}\frac{\frac{E-I}{E-A}}{\frac{A-B}{A-I}}\frac{\frac{A-E}{A-I}}{\frac{C-B}{D-I}},$$