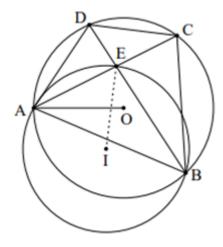
Example 96: As shown in Figure 3, in the quadrilateral *ABCD* inscribed in the circle O, the diagonals intersect at E, and I is the circumcenter of \triangle *ABE*. Prove: $IE \perp DC$.



$$\frac{I-E}{D-C} = \frac{B-E}{B-D} \frac{A-E}{C-A} \left(\frac{B-A}{B-E} \frac{E-I}{A-E} \right) \left(\frac{C-A}{C-D} \frac{B-D}{B-A} \right),$$

The abbreviation is $\frac{I-E}{D-C} = \left(\frac{B-A}{B-D}\frac{E-I}{C-A}\right) \left(\frac{C-A}{C-D}\frac{B-D}{B-A}\right)$, is the geometric

meaning obvious?