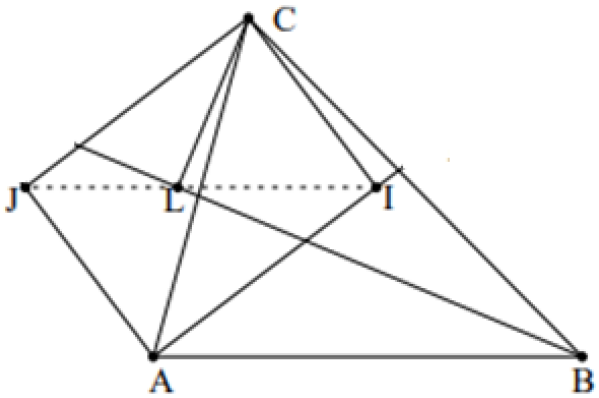

Example 74 : As shown in Figure 3, in $\triangle ABC$, O is the inner, AI, BL is the angle bisector, AJ is the outer angle bisector, $IA \perp IC$, $LC \perp LB$, $JC \perp JA$, to prove: J, L, I three points collinear.

$$\frac{I-J}{I-L}=\left(\frac{L-O}{L-I}\frac{C-I}{C-O}\right)\left(\frac{J-I}{J-A}\frac{C-A}{C-I}\right)\left(\frac{A-J}{A-C}\frac{O-C}{O-B}\right)\frac{B-O}{L-O}$$

Description: used $\angle BOC=90^{\circ}+\frac{1}{2}\angle A$. See above question.