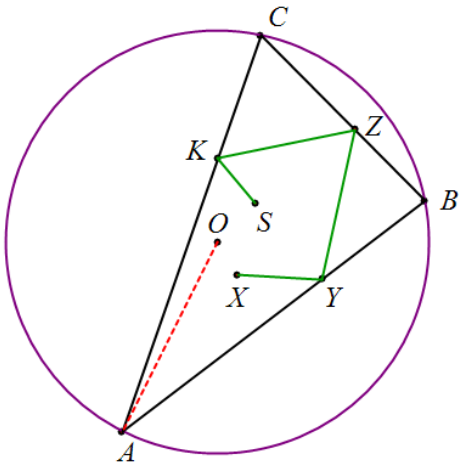

remove circle

Example 2 28 : As shown in the figure, in $\triangle ABC$, O is the circumcenter, the straight lines XY and ZY are symmetrical about AB, *the straight lines* ZY and ZK are symmetrical about BC, *and the straight lines* KZ and KS *are symmetrical* about CA. Prove that the straight line KS *is* symmetrical about AO *and* XY parallel.

$$\frac{\frac{A-O}{X-Y}}{\frac{S-K}{A-O}}=\frac{\frac{A-O}{A-B}}{\frac{B-A}{B-O}}\frac{\frac{C-B}{C-O}}{\frac{B-O}{B-C}}\frac{\frac{C-O}{C-A}}{\frac{A-C}{A-O}}\frac{\frac{B-A}{Y-X}}{\frac{Y-Z}{A-B}}\frac{\frac{Z-K}{B-C}}{\frac{C-B}{Z-Y}}\frac{\frac{A-C}{K-Z}}{\frac{K-S}{C-A}},$$

Try changing it to an inscribed circle