



Example 101 : As shown in Figure 4 , quadrilateral $ABCD$, the angle bisectors of $\angle A$ and $\angle C$ intersect at point P . Prove *that the* included angles of straight

lines $\frac{\angle D - \angle B}{2}$ CP and PA are equal .

$$\frac{\left(\frac{C-P}{P-A}\right)^2 \frac{B-A}{B-C} \frac{A-P}{A-B} \frac{C-B}{C-P}}{\frac{D-C}{D-A} \frac{A-D}{A-P} \frac{C-P}{C-D}} = 1$$