



Example 4 : As shown in Figure 1 , in the parallelogram $ABCD$, E is the midpoint of AD , if CE bisects $\angle BCD$, then EB bisects $\angle ABC$.

$$\text{prove: } \frac{B - \frac{A+C-B+A}{2}}{\frac{B-C}{B-A}} + \frac{C - \frac{A+C-B+A}{2}}{\frac{B-A}{C-B}} = 2$$

$$\frac{B - \frac{A+C-B+A}{2}}{2} \quad C - \frac{A+C-B+A}{2}$$