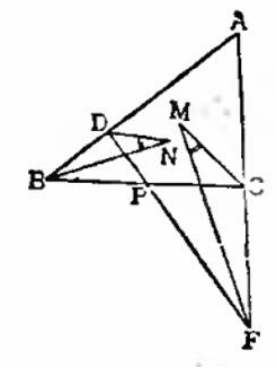

Example 1 29 : As shown in Figure 3, take any point D on the side AB of $\triangle ABC$, take any point F *on the extension line of* AC, and connect it to DF. If *the bisector of* $\angle ADF$ and $\angle ABC$ intersect at N. The bisector of $\angle AFD$ and $\angle ACB$ intersect *at* M, then $\angle BND = \angle CMF$.

$$\left(\frac{\frac{N-B}{N-D}}{\frac{M-C}{M-F}}\right)^2 = \frac{\frac{D-A}{D-N}\frac{B-N}{B-C}\frac{C-B}{C-M}\frac{F-M}{F-A}}{\frac{D-N}{D-F}\frac{B-A}{B-N}\frac{C-M}{C-A}\frac{F-D}{F-M}}\frac{A-B}{A-D}\frac{A-F}{A-C},$$