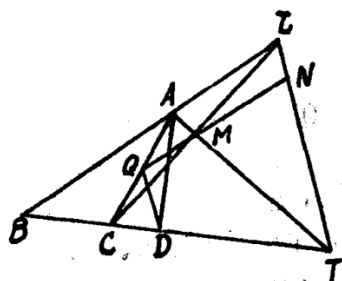


**Example 1 71 :** As shown in Figure 1,  $\Delta$  in  $ABC$ , the bisector of the exterior angle of  $\angle A$  intersects the extension line of  $BC$  at  $T$ , and  $CM \perp AT$  is drawn from  $C$  at  $M$ , and intersects the extension line of  $BA$  at  $L$ , taking  $AC$  Point  $Q$ ,  $QM$  intersect  $LT$  at  $N$ , then  $A$  leads  $AD \perp BC$  to  $D$ , then  $D, Q, N, T$  are four points in a circle.



$$\frac{\frac{D-Q}{Q-N}}{\frac{C-B}{T-L}} = \frac{\frac{C-A}{B-C} \frac{C-B}{C-A}}{\frac{B-A}{D-Q} \frac{B-A}{L-T}} \frac{B-A}{Q-N},$$