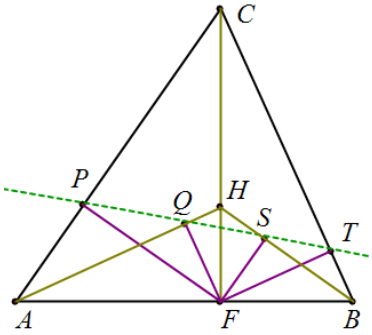

Example 69 : As shown in Figure 3, in $\triangle ABC$, H is the orthocenter, CF is the height, and the feet of F on AC, AH, and BC are P, Q, and T respectively. Prove: P, Q, and T are collinear.

$$\frac{P-Q}{P-T}=\frac{\dfrac{F-P}{F-C}\dfrac{Q-P}{Q-A}}{\dfrac{T-P}{T-C}\dfrac{F-P}{F-A}}\left(\frac{Q-A}{T-C}\frac{F-C}{F-A}\right),$$