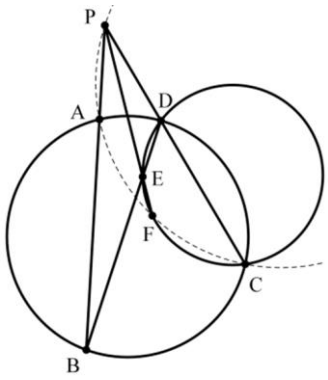

Example 194 : As shown in Figure 1 , A , B , C and D share a circle, BA intersects CD at P, point E extends PE on line segment BD, and intersects the circumscribed circle of $\triangle CDE$ at F. Prove: P, F, A, C are four points in a circle.

$$\frac{\frac{B-P}{A-C}}{\frac{F-P}{F-C}}=\frac{\frac{B-D}{P-C}}{\frac{F-P}{F-C}}\frac{\frac{B-P}{B-D}}{\frac{C-A}{C-P}},$$