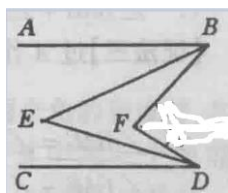


**Example 113 :** As shown in Figure 1,  $AB \parallel CD$ ,  $BE$  and  $DE$  are the bisectors of  $\angle ABF$  and  $\angle CDF$  respectively. Prove:  $2 \angle BED = \angle BFD$ .



$$\frac{\left(\frac{E-B}{E-D}\right)^2 \frac{B-F}{B-E} \frac{D-E}{D-F} \frac{C-D}{A-B}}{\frac{F-B}{F-D} \frac{B-E}{B-A} \frac{D-C}{D-E}} = 1,$$