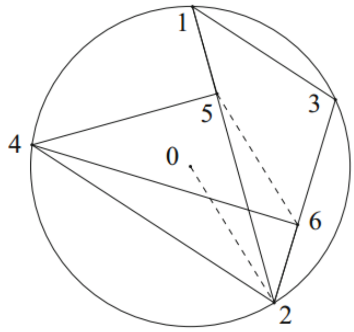
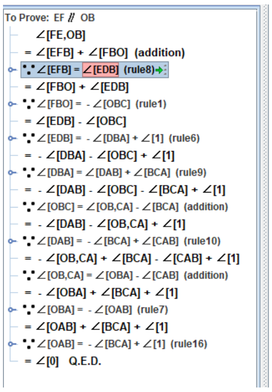
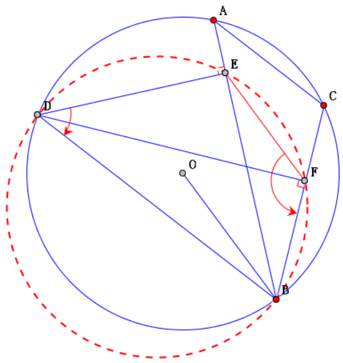
Example 4.6 Let **1**, **2**, **3**, **4** be points on a circle of center **0** such that **13** || **24**. Let **5**, **6** be feet drawn from **4** to lines **12**, **23** respectively. Then **02** || **56**.







Example 1 39 : As shown in the figure, in the quadrilateral $ADBC$ *inscribed in* the circle O, $AC \parallel DB$, $DE \perp AC$, $DF \perp BC$, to prove: $OB \parallel EF$.

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