



$$\frac{C-D}{F-E} = \frac{B-D}{A-E} \left(\frac{C-D}{C-A} / \frac{B-D}{B-A} \right) \left(\frac{E-A}{E-F} / \frac{A-B}{A-C} \right)$$

Example 68 : As shown in Figure 1, the quadrilateral $ABCD$ is inscribed in the circle, $AC \perp BD$, the diagonals intersect at point E , and F is the midpoint of AB . Prove: $CD \perp FE$.