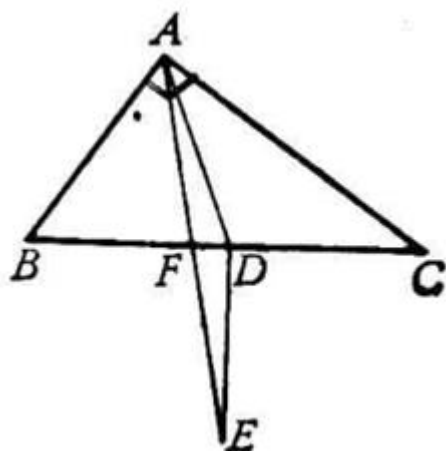


**Example 106 :** As shown in Figure 1, in the right angle  $\triangle ABC$ , the bisector of the right angle  $A$  intersects the mid-perpendicular line  $DE$  of  $BC$  at point  $E$ , then  $\angle DAE = \angle DEA$ .



repeat

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