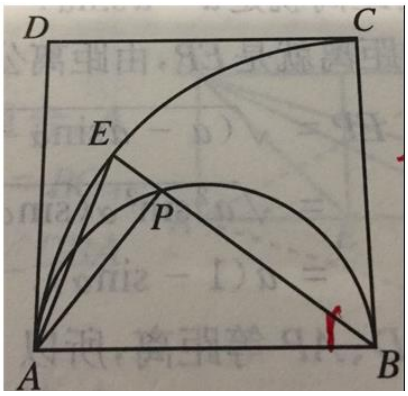
Example 153 : As shown in Figure 3, in the square $ABCD$, draw a semicircle within the square with AB as the diameter, and draw a quarter arc AC within the square with B as the center diameter. P is a point on the semicircle, extend BP to intersect the arc AC Ding E, even AE. Then AE divides $\angle DAP$ equally.



$$\frac{A-D}{A-E}/\frac{A-E}{A-P}=\left(\frac{B-A}{B-P}/\frac{A-D}{A-P}\right)\left(\frac{E-B}{E-A}/\frac{A-E}{A-B}\right)\left(\frac{A-D}{A-B}\right)^2\frac{B-P}{E-B}.$$