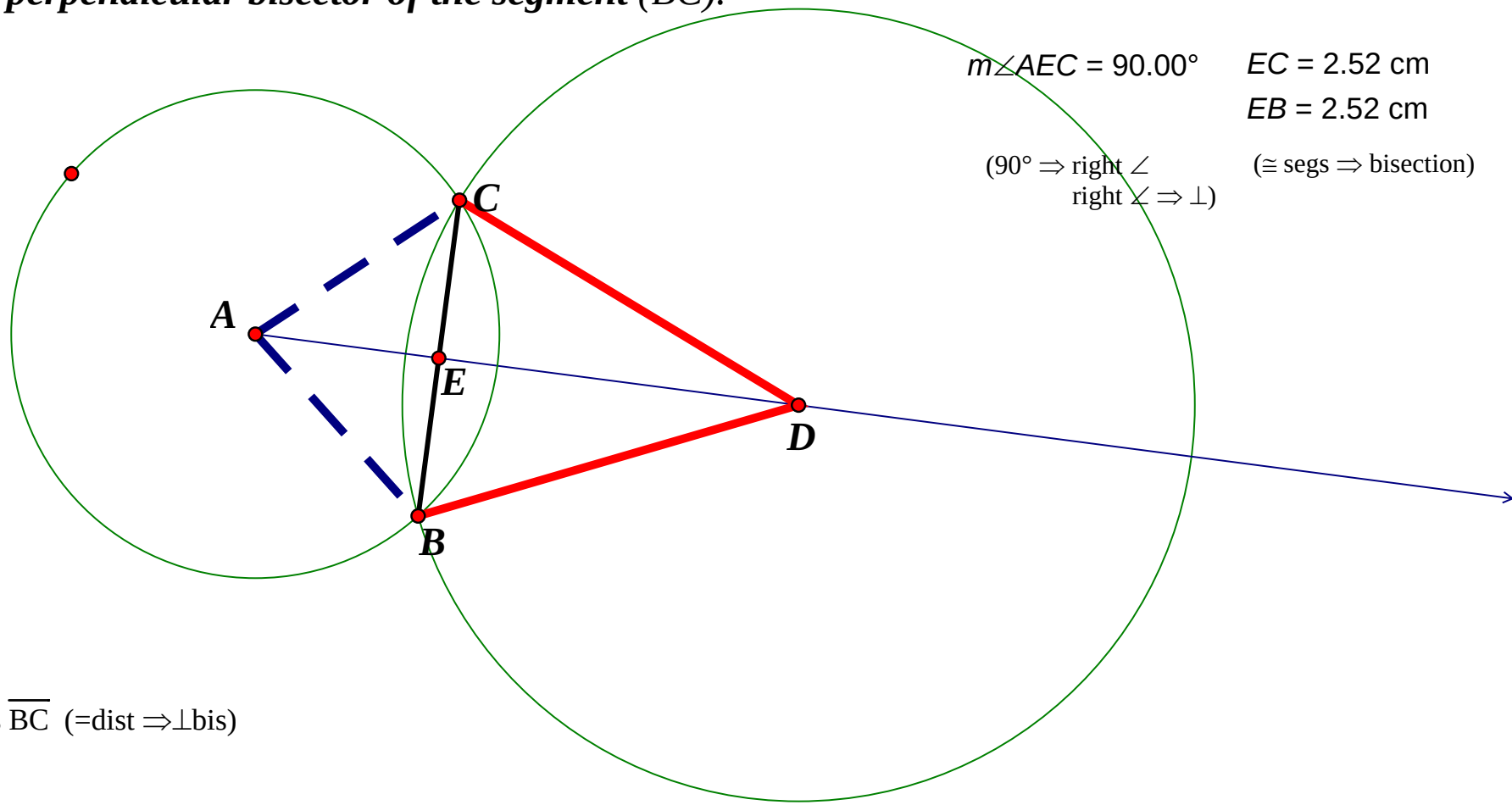
GSP Demonstration of Equidistance Theorem (4.4)

It two points *(like A & D)*
are equidistant *(that is AC = AB & DB = DC)*
from the endpoints of a segment *(like BC),*
then they *(that is A & D)*
determine the perpendicular bisector of the segment *(BC).*

$m\,\overline{AC}$ = 3.86 cm $m\,\overline{DC}$ = 6.27 cm (⊙⇒≅ radii)
$m\,\overline{AB}$ = 3.86 cm $m\,\overline{BD}$ = 6.27 cm



In summation:

If $\overline{AC} = \overline{AB}$
& $\overline{DC} = \overline{DB}$
then $\overline{AD} \perp$ bis $\overline{BC}$ (=dist ⇒⊥bis)