Construction 5: Book I, Proposition 10





I.10:2. Let AB be the given finite straight line.





described; [Post.3]



I.1:13. and from the point C, in which the circles cut one another, to the points A, B let the straight lines CA, CB be joined.



RETURN to I.10 at line 4.

I.10:6. and let the angle ACB be bisected by the straight line CD; [I.9]

GOSUB I.9. However, notice that we have the construction of I.9 nearly complete here. We relabel as in I.9 figure 8, and go on to the next step, figure 9 of I.9.













NOTE: We could have drawn this line immediately after figure 3 in this construction.





I.10:8. I say that the straight line AB has been bisected at the point D.



