
Construction 48: Book VI, Proposition 30

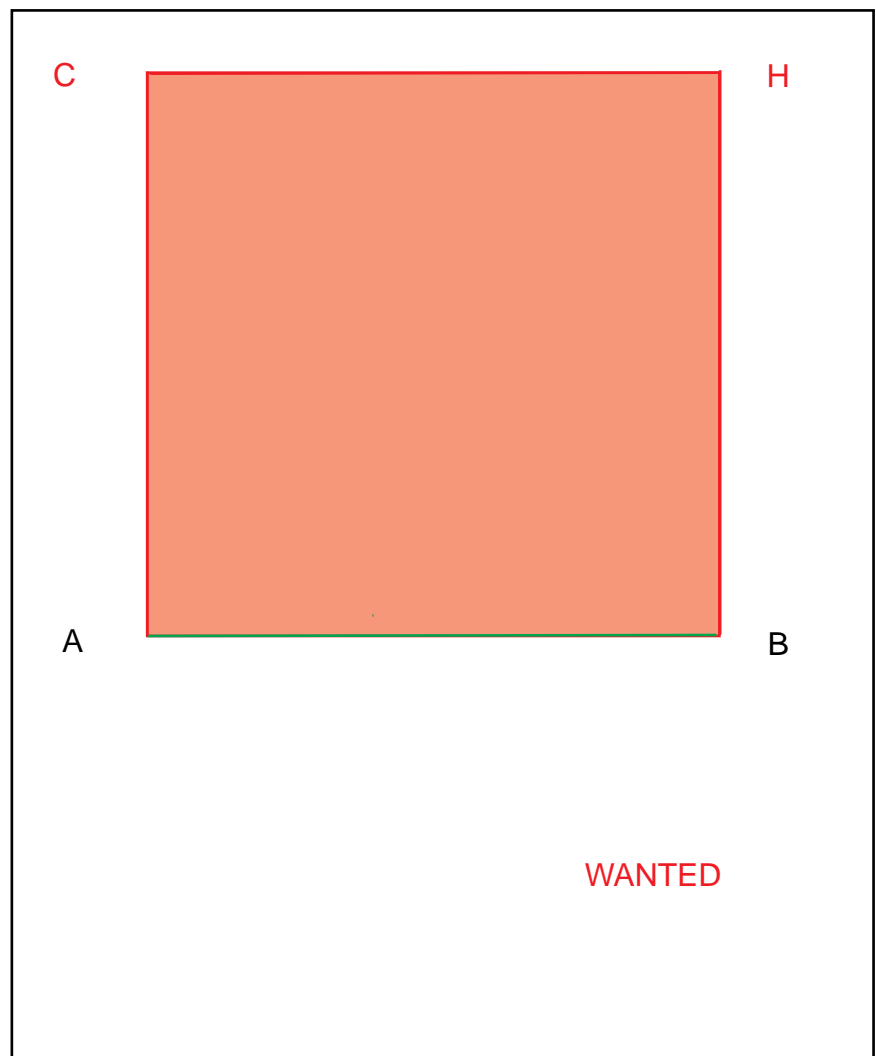
*To cut a given finite straight line
in extreme and mean ratio.*

VI.30:3. Let AB be the given
finite straight line;



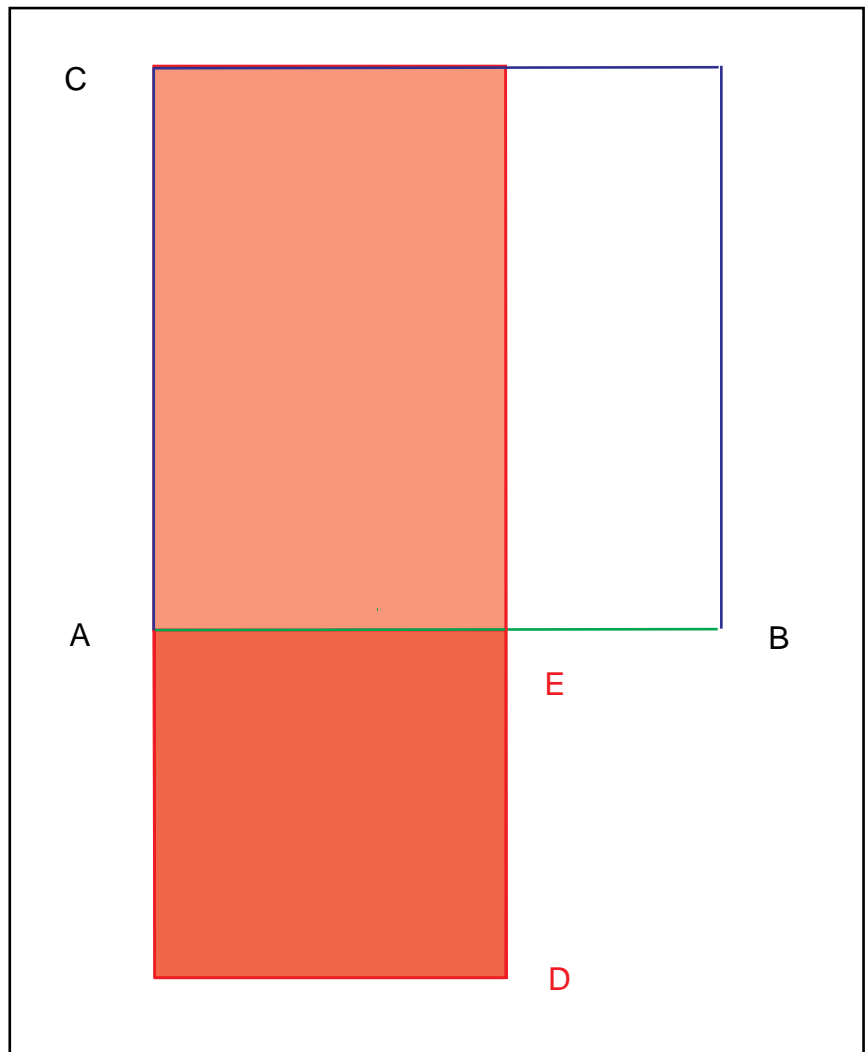
Stage 1.

VI.30:5. On AB let the square
BC be described; (est. 13 steps)



Stage 2.

VI.30:6. and let there be applied to AC the parallelogram CD equal to BC and exceeding by the figure AD similar to BC. [VI.29]



Done.

VI.30:23. Therefore the straight line AB has been cut in extreme and mean ratio to E, and the greater segment of it is AC.

return

Q.E.F.

