

Book 9

Proposition 27

If an even (number) is subtracted from an odd number then the remainder will be odd.



For let the even (number) BC have been subtracted from the odd (number) AB . I say that the remainder CA is odd.

[For] let the unit AD have been subtracted (from AB). DB is thus even [Def. 7.7]. And BC is also even. Thus, the remainder CD is also even [Prop. 9.24]. CA (is) thus odd [Def. 7.7]. (Which is) the very thing it was required to show.