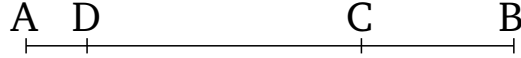


## Book 9

### 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.