PROBLEM OF THE WEEK #2
(Spring 2018)

The longer edge of a *golden rectangle* is ϕ times as long as the shorter edge, where $\phi = \frac{1+\sqrt{5}}{2}$. If you fold a golden rectangle so that its opposite corners touch, what is the ratio of the length of the crease to the length of the longer edge?

[Please fully explain your answer.]

Solutions should be submitted to Cinda Furry, in Gardner Hall 435, by 4:00 P.M. on Wednesday, February 7, 2018.