There is this problem…………………

Abstract

Partition a rectangle $P$ in finitely many baby rectangles $P_1, P_2, \ldots, P_n$.

So that each $P_i$ is parallel to a side of $P$.

Show:
If each baby rectangle $P_i$ has an integral side then $P$ has an integral side.

Three (out of at least 16 existing) solutions will be presented.

This is a piece of beautiful elementary mathematics.

Thursday, September 13, 2001

2:00 p.m.
Yates 215

Students are encouraged to attend.
There will be cookies and conversation afterwards in Yates 210