The Fifth Annual

Utah Math Olympiad

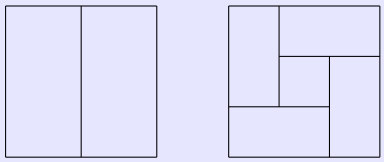
Saturday, March 18, 2017
1:00 - 4:00 pm

Participation is free.
Prize money will be distributed to the top scorers.

For more information and to register, visit www.utmath.org.
Registration ends March 11.
Contact us at contact@utmath.org.

Sample Problem

When a square is subdivided into n rectangles, the resulting figure is called a *simple tiling* if there is no set of at least 2 (but not all n) of the rectangles which formss a larger rectangle. For example, here are simple tilings with 2 and 5 rectangles:



A *four-corners point* in a subdivision of a square into rectangles is a point where the corners of four rectangles meet.
Is there a simple tiling with a four-corners point?

University of Utah
LeRoy Cowles Building
Room 225

Brigham Young University
Talmage Building
Room TBA