

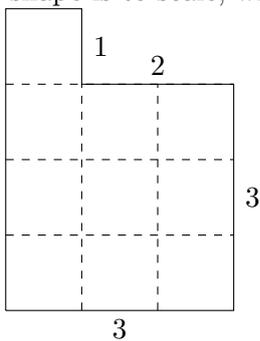
Problem 2

Undergraduate Problem Solving Contest
Due: October 31

October 17, 2016

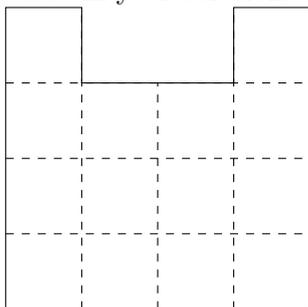
1 Partions into rectangles

How many ways can we partition the following shape into rectangles with integer side lengths? Note: the shape is to scale, with each dashed square a unit square.



2 ATTENTION: For the Programmers

You may choose to write a program to compute the answer, rather than manually computing. In which case, also *compute the number of partitions of the following shape and include pseudocode of the code you used* in your solution. Again, the shape below is to scale, with each dashed square a unit square.



3 example partitions into rectangles

