

2018-2019 Undergraduate Problem Solving Contest

Problem Number 3

Due January 28, 2019

What is the *minimum* number of lines parallel to the sides of a triangle needed to split it in exactly 100 parts?

New and old problems are posted online at
<http://www.math.utah.edu/undergrad/involvement.php>

In the spirit of UPSC, you should not use the internet or look up the solution in a book. Please include your name, student ID number, and email address on your solution. Submit answers at the front desk of the T. Benny Rushing Mathematics Center.