

Undergraduate Problem Solving Competition

Problem 6 - Plane Crash Catastrophe

Due March 28, 2018

On their flight to a math conference in Denver, Colorado, Calvin, Andrea, Jace, and Moses' plane ends up landing far too early in Evanston, Wyoming. They have to walk the remaining distance to any city in Colorado, where they can pick up a *very* quick ride to their end destination. They can travel along any single path from Evanston over to Denver, traveling (on the graph) only down and left, or down and right.

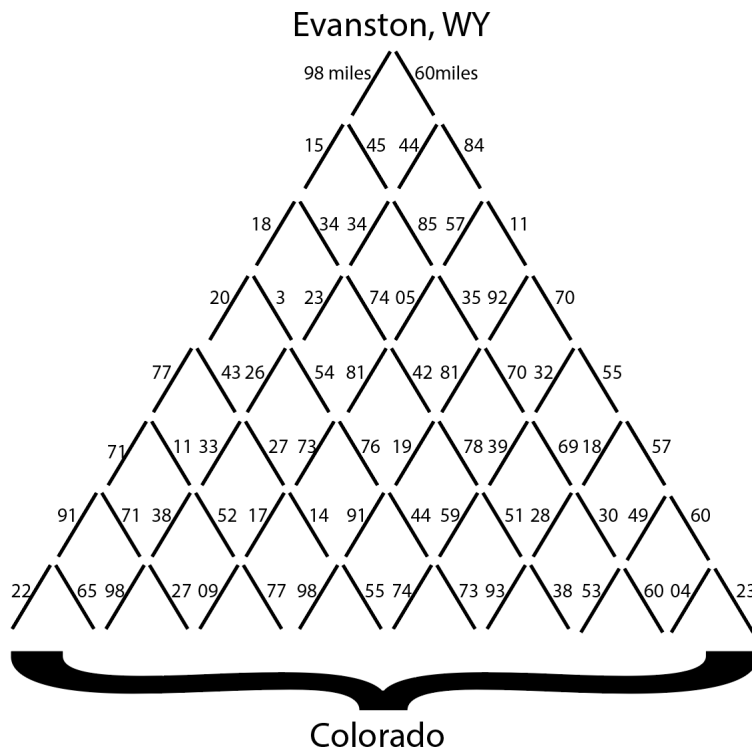


Figure 1: Routes to Denver

What is the shortest distance to Colorado, in miles?

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.