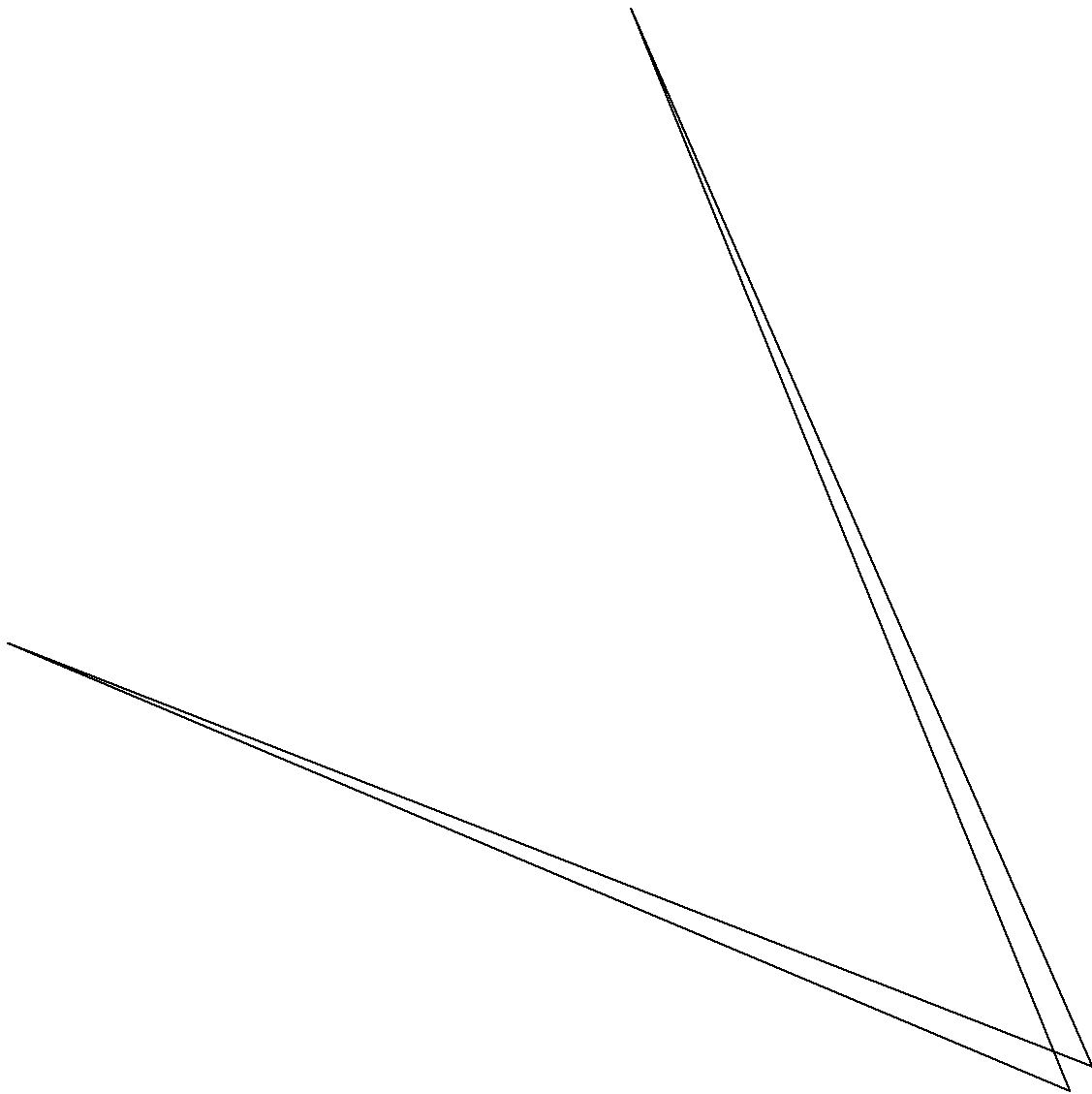


## Really Sharp Triangles, Part I CQ



This image was created with  $n = 120$  in order to create 2 similar triangles with the following attributes:

1. The sharp angle is as sharp as possible.
2. The medium angle is  $45^\circ$
3. The image was created from the manual entry *Stacked Stars Excel* file.
4. The image was created in four jumps.
5. The bottom triangle is as close to the same size as the top as possible, but it is just a bit larger.

Given this information, answer the following.

1. What is the sharp angle in degrees?
2. What is the obtuse angle in each triangle?
3. What is the sum of the first two jumps?
4. What is the sum of the last two jumps?
5. What are all four jumps? (Hint: There are two correct answers to this question.)
6. Which of the four lines drew the longest side of the bigger triangle?