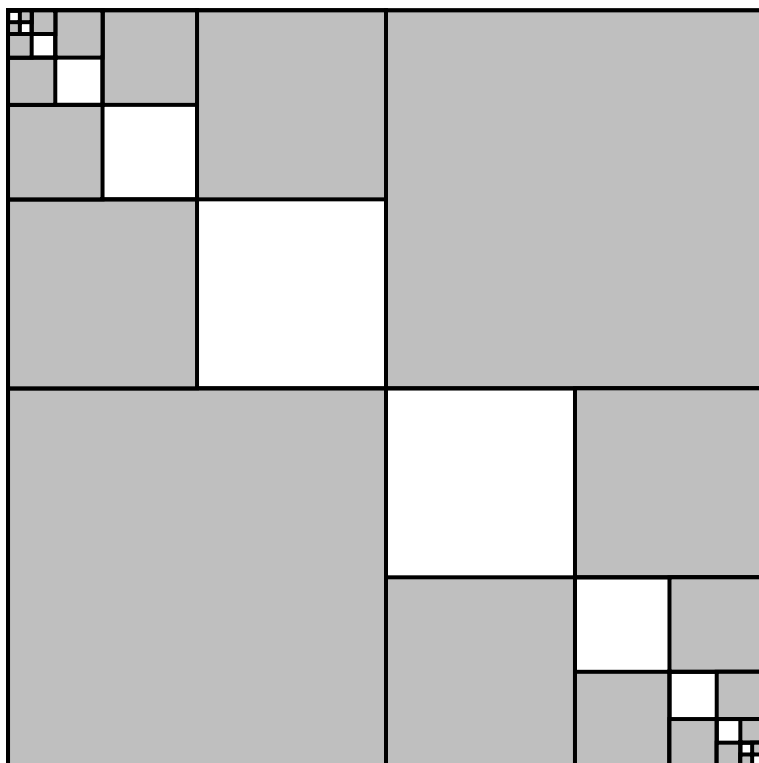


Challenge Problem 29: White Diagonal

A square is divided into quarters, and the squares off the main diagonal are shaded. The same process is repeated in a sequence heading towards the upper left and lower right corners as pictured below.



What portion of the original square is shaded?