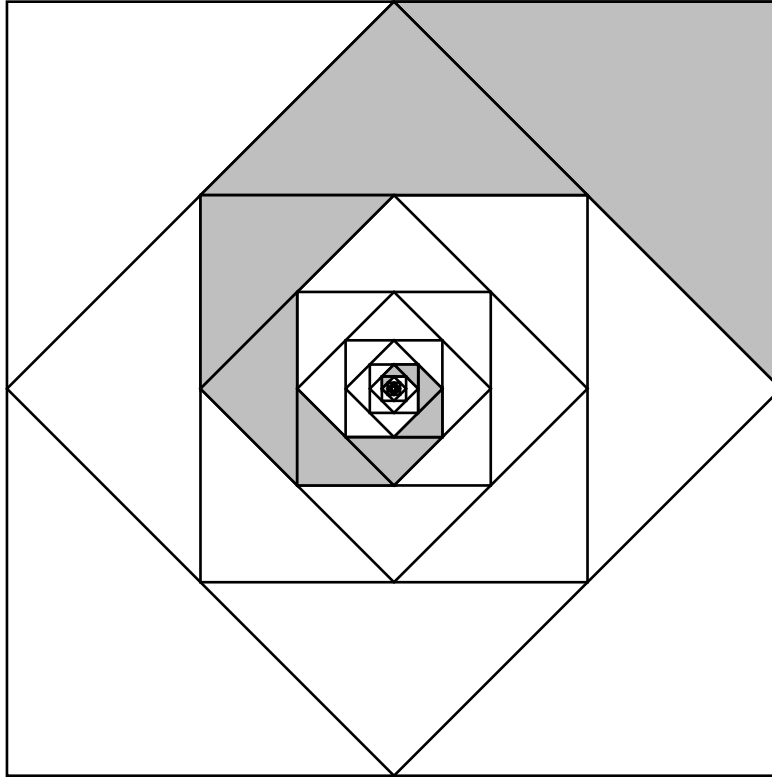


## Challenge Problem 8: A Different Shading of a Square

A sequence of inscribed squares is partially shaded along adjacent triangles as pictured below.



What portion of the big square is shaded?