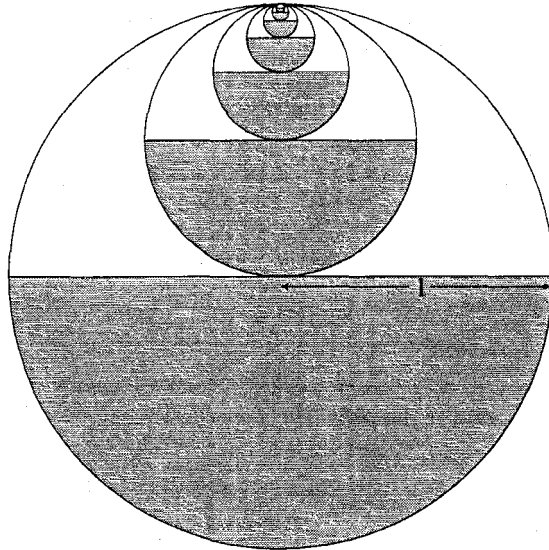


GROUP WORK 3, SECTION 12.2

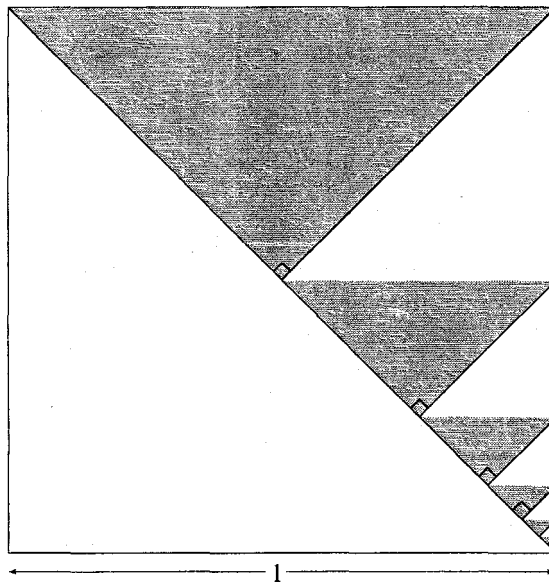
Made in the Shade

I. Compute the sum of the shaded areas for each figure.

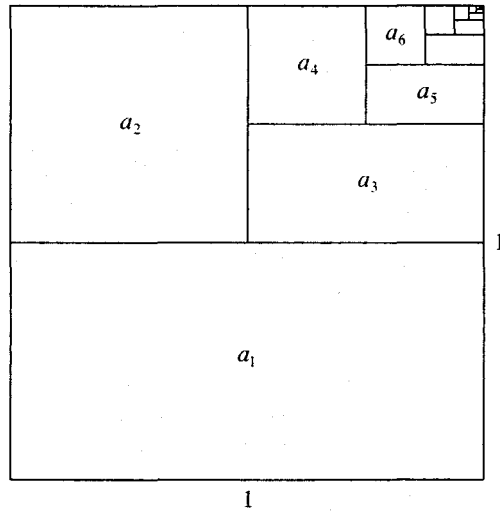
(a)



(b)



2. Consider the figure below.



(a) Find an general expression for the area a_n .

(b) What is $\sum_{n=1}^{\infty} a_n$?