; Recursion: Sierpinski Triangle, part I.

(require picturing-programs)

(define T0 (triangle 25 "solid" "blue"))
(check-expect T0 △)

(define T1 (above T0 (beside T0 T0)))
(check-expect T1 △)

(define T2 (above T1 (beside T1 T1)))
(check-expect T2 △)

; stack: image -> image

(check-expect (stack T0) △ △ △)

; an-image centred above two copies of an-image beside each other.
(define (stack an-image)
  (above an-image (beside an-image an-image)))

(check-expect (stack (star 25 "outline" "red")))

(define T3 (stack T2))
; Predict and then run:
T3
(stack (stack T3))