Directions: Write a function which takes an image and a string, representing what to scale the image by. The function should return a smaller image if the string is 'smaller' and a bigger image if the string is 'bigger'.

Contract and Purpose Statement

Every contract has three parts ...

; scale-image : image string -> image

; Make the image bigger or smaller, depending on the given string

what does the function do?

Examples

Write some examples, then circle and label what changes ...

(EXAMPLE( scale-image (circle 5 "solid" "red") "bigger")
  (circle 10 "solid" "red")

what the function produces

(EXAMPLE( scale-triangle (triangle 20 "solid" "blue") "smaller")
  (triangle 10 "solid" "blue")

what the function produces

Definition

Write the definition, giving variable names to all your input values ...

(define( scale-image original-image scale-factor )
  (cond
    [(string=? scale-factor "bigger") (scale 2 original-image) ]
    [(string=? scale-factor "smaller") (scale 0.5 original-image) ]
    [else original-image ])))