Check for Mistakes in this Word Problem: scale-image

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 these parts...

;   scale-image   image string   →   image
    function name   *domain*   *range*

; 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")
        function name   *input(s)*

       (circle 10 "solid" "red")   )
                what the function produces

(EXAMPLE(scale-triangle (triangle 20 "solid" "blue") "smaller")
        function name   *input(s)*

       (triangle 10 "solid" "blue")   )
                what the function produces

Definition

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

(define(scale-image   original-image scale-factor)
       function name   *variables*

    (cond

      [(string=? scale-factor "bigger")   (scale 2 original-image)   ]

      [(string=? scale-factor "smaller")   (scale 0.5 original-image)   ]

      [else   original-image   ]))