

Word Problem: draw-state

Write a function called *draw-state*, which takes in a *SunsetState* and returns an image in which the sun (a circle) appears at the position given in the *SunsetState*. The sun should be behind the horizon (the ground) once it is low in the sky.

Contract+Purpose Statement

draw-state :: SunsetState → Image

Consumes a *SunsetState*, and produces an image of a sunset

Write an expression for each piece of your final image

SUN =	circle(25, “solid”, “yellow”)
GROUND =	rectangle(400, 100, “solid” “brown”)
SKY =	rectangle(400, 300, “solid”, “light-blue”)

Write the draw-state function, using put-image to combine your pieces

fun draw-state (a-sunset) :

put-image(GROUND, 200, 50,

put-image(SUN, a-sunset.xpos, a-sunset.ypos,

SKY)))

end