## Code Reading

Below is the code for an animation of a character walking back and forth across a screen. Without contracts or comments, can you tell which of the functions handle...

Defining the data structure:

Drawing the animation:

Updating the animation state:

Responding to keypresses:

```
data WalkState:
   | walk(x :: Number,
A
          direction :: Number)
   end
   fun next-state-tick(w):
     if w.x > (WIDTH - 50): walk(w.x - 4, w.direction * -1)
В
     else if w.x \le 50: walk(w.x + 4, w.direction * -1)
     else: walk(w.x + w.direction, w.direction)
     end
   end
   fun next-state-key(w, key):
     if string-equal(key, "r"): walk(75, 3)
C
     else if string-equal(key, "right"):
              walk(w.x + 50, w.direction)
     else if string-equal(key, "left"):
              walk(w.x - 50, w.direction)
     else: w
     end
   end
   fun draw-state(w):
     put-image(CHARACTER-IMG, w.x, 150, BACKGROUND)
D
   end
```