## Word Problem: next-state-tick

Write a function called *next-state-tick*, which takes in a SunsetState and returns a SunsetState in which the new x-coordinate is 8 pixels larger than in the given SunsetState and the y-coordinate is 4 pixels smaller than in the given SunsetState.

Confident dipose sidierileni	
# <u>next-state-tick</u> :: <u>SunsetState</u> → <u>SunsetS</u>	tate
# Consumes a SunsetState and produces the next SunsetState by movir sun 8 pixels to the right and 4 pixels down	ng the
Give Examples	
Write examples of your function in action	
examples: a-sunset	
next-state-tick ( sunset(50, 330) ) is	
the user types	
sunset(50 + 8, 330 - 4)	
which should become	
next-state-tick ( sunset(240, 120) ) is	
the user types	
sunset(240 + 8, 120 - 4)	
endwhich should become	
Function	
Circle the changes in the examples, and name the variables. Write the code, copying everything that isn't circled, and using names where you find variable	es!
fun next-state-tick ( <u>a-sunset</u> ):	
sunset(a-sunset.x + 8, a-sunset.y - 4)	
end	