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- "when does each alternative occur?"
 - express when the alternative happens, not when it stops

what are the alternatives?	when does each alternative occur?
grow width	rect hasn't reached the edge of the window

the growth stops when the rect reaches the edge of the window – the rect grows when it *hasn't* reached the edge of the window

- "condition" is when the alternative occurs written as a boolean expression
 - not the alternative itself

	what are the alternatives?	when does each alternative occur?	condition	captures when the rect reaches the bottom of the window (which occurs at the same time it reaches the top of the window)
	reset	rect reaches the top/bottom of the window	rect height >= height	
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write the condition to match the phrasing in words

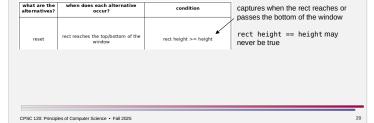


mouseX+100 <= width/2 is logically equivalent to mouseX <= width/2-100 so it isn't wrong to write the condition that way, but it is harder to think about what it means and whether it is the correct condition

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- "when something reaches some point" should be generally be expressed as "when something reaches or passes some point" instead
 - time is not continuous in Processing, and the update of values from one frame to the next may jump from just before the target to just after



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- (especially) for complex conditions, label the picture to help work out the parts of the condition and how to combine them
 - draw the lines and arrows to define the region of "true" for each part of the expression

