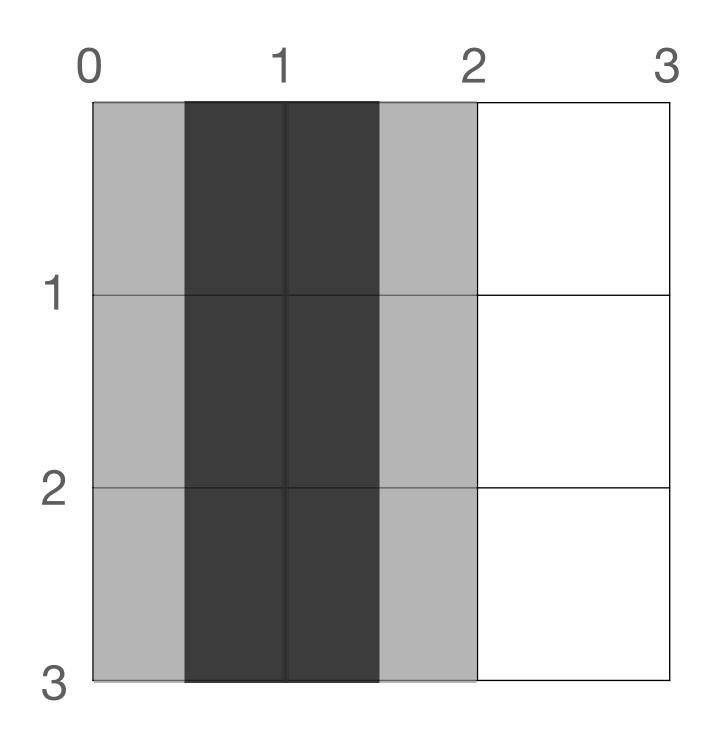
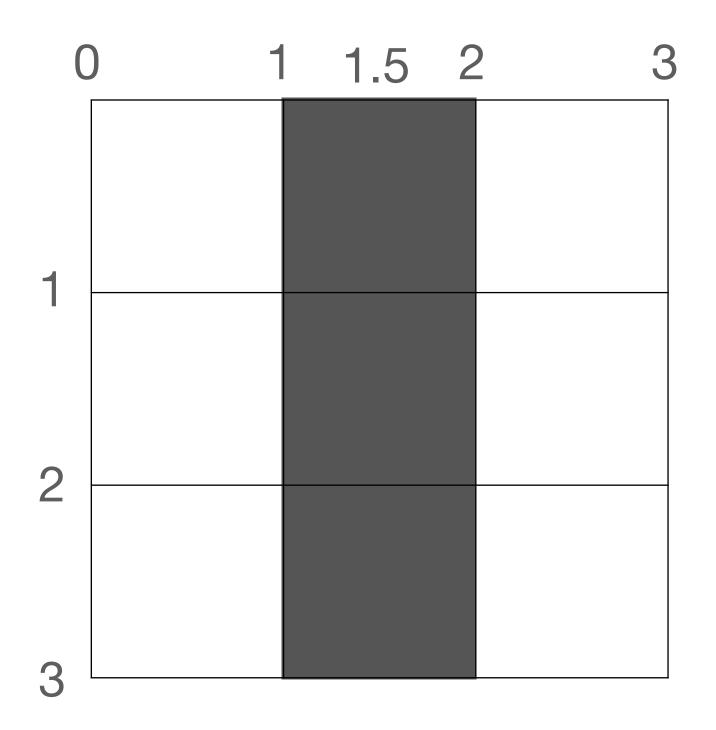
Javascript and Canvas

Dev Environment	IO	Flow control			
Create/Size/Reset Canvas	Rectangle Line, Arc LinearGradient	Text			
Basic types	Function	Composite types: Object / Array	Events		
Animation					
OOP part 1	Audio				
Interaction	Collision detection	Images	Spritesheet	Transparent Shadow RadialGradient	Video
Transform	Projects: Tetris, 2D Breakout etc			Composite	

Why line blurry?



ctx.moveTo(1,0)
 ctx.lineTo(1,3)
 ctx.lineWidth=1

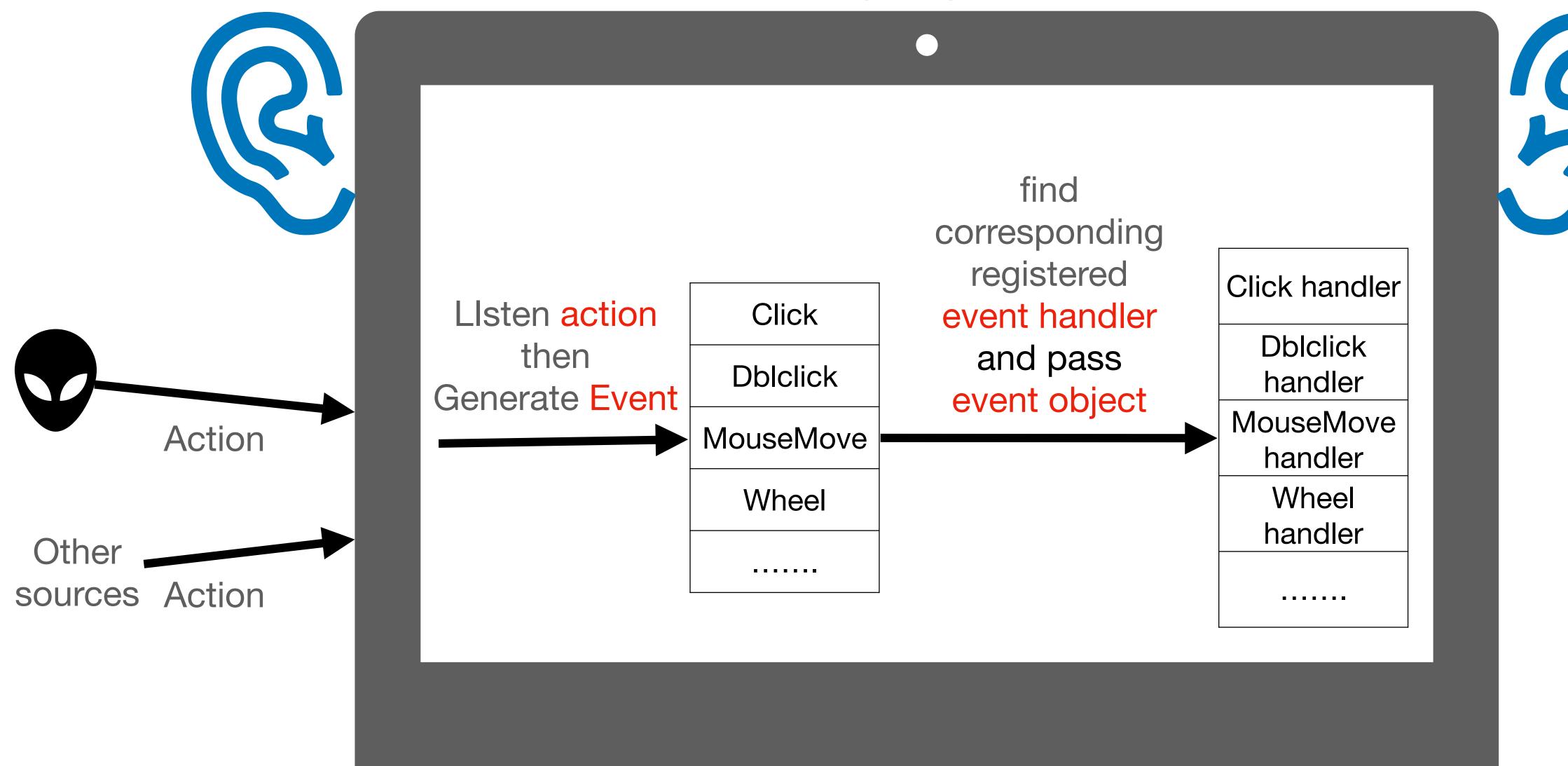


ctx.moveTo(1.5,0) ctx.lineTo(1.5,3) ctx.lineWidth=1

browser cannot draw half pixel

browser is able to draw a true 1 pixel

Events



Arrow keys

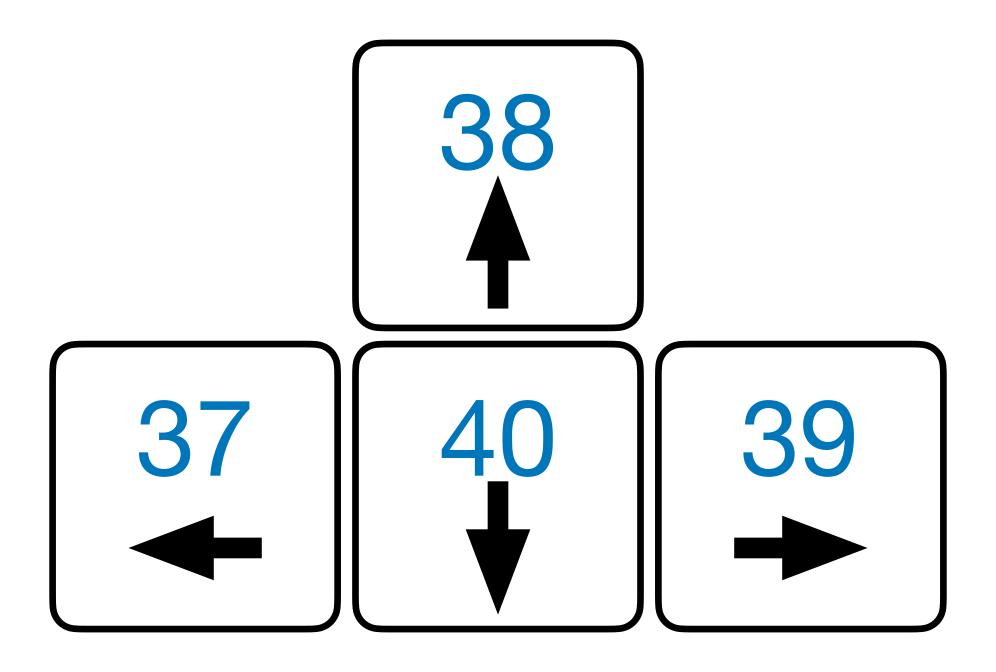
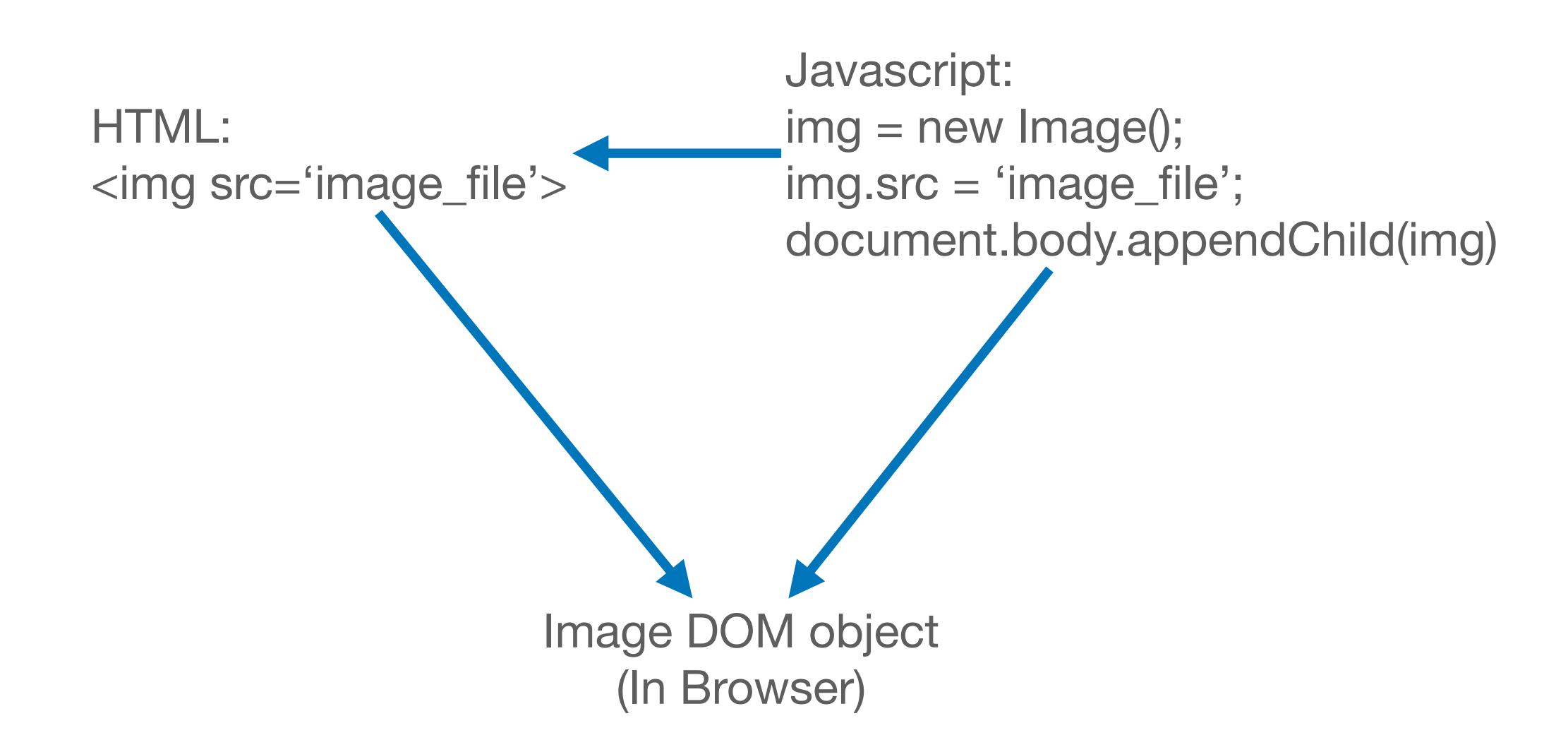


Image DOM (Document Object Model) Object



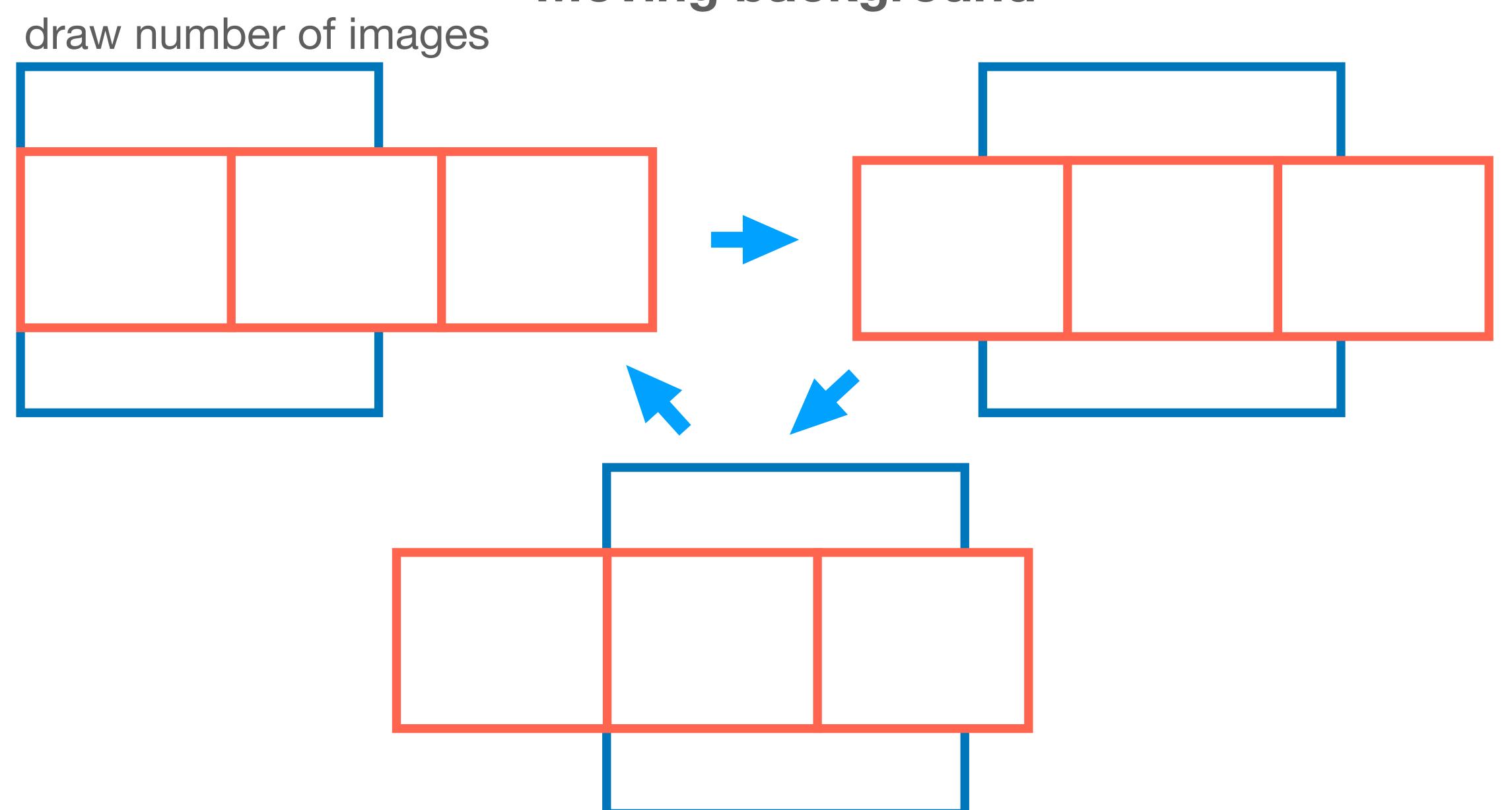
Measure text

actualBoundingBoxLeft (distance between x and the most left edge of the box (negative value)

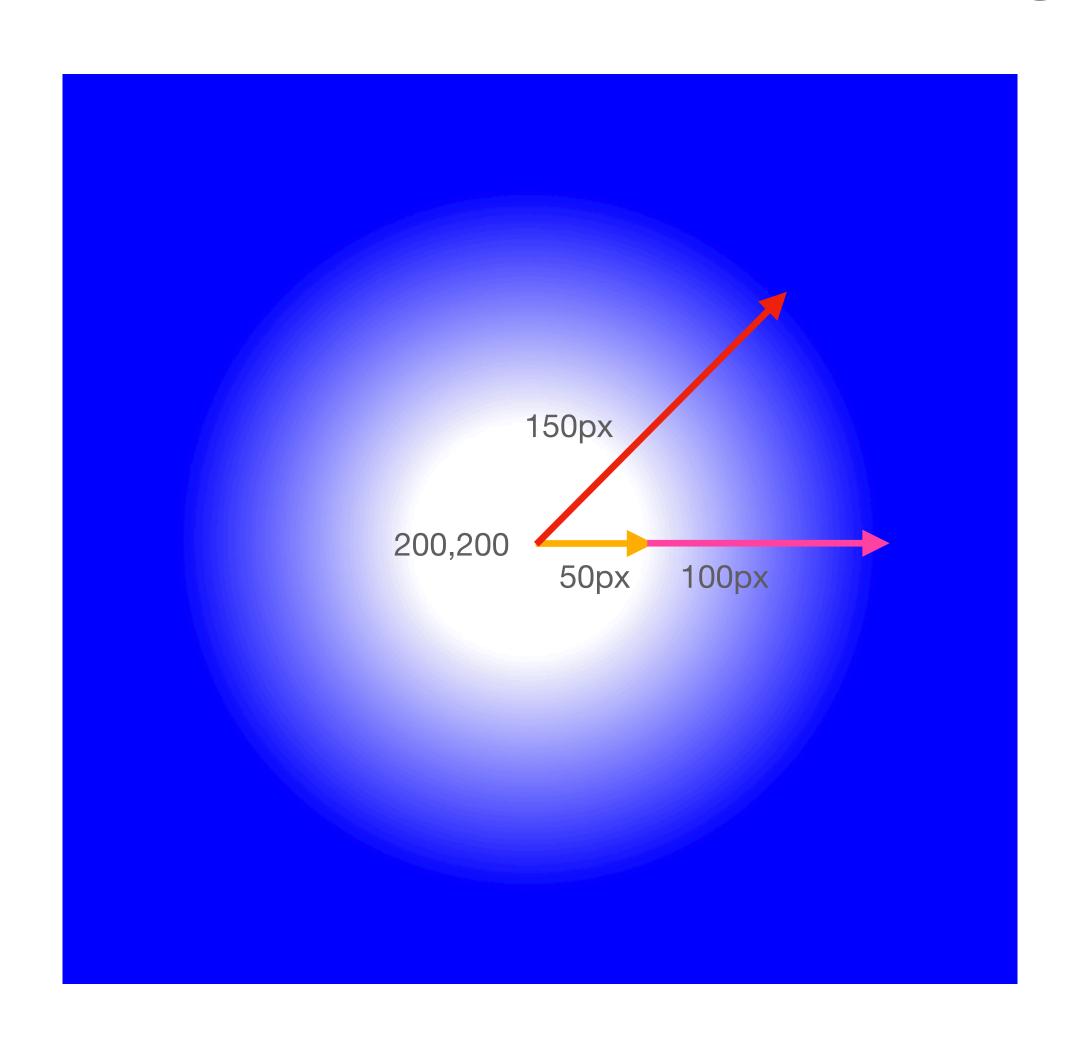


actualBoundingBoxRight (distance between x and the most right edge of the box)

Moving background



How radial gradient works?



```
g = ctx.createRadialGradient(200, 200, 50, 200, 200, 150);
g.addColorStop(0, 'white');
g.addColorStop(1, 'blue');
```

Transform

