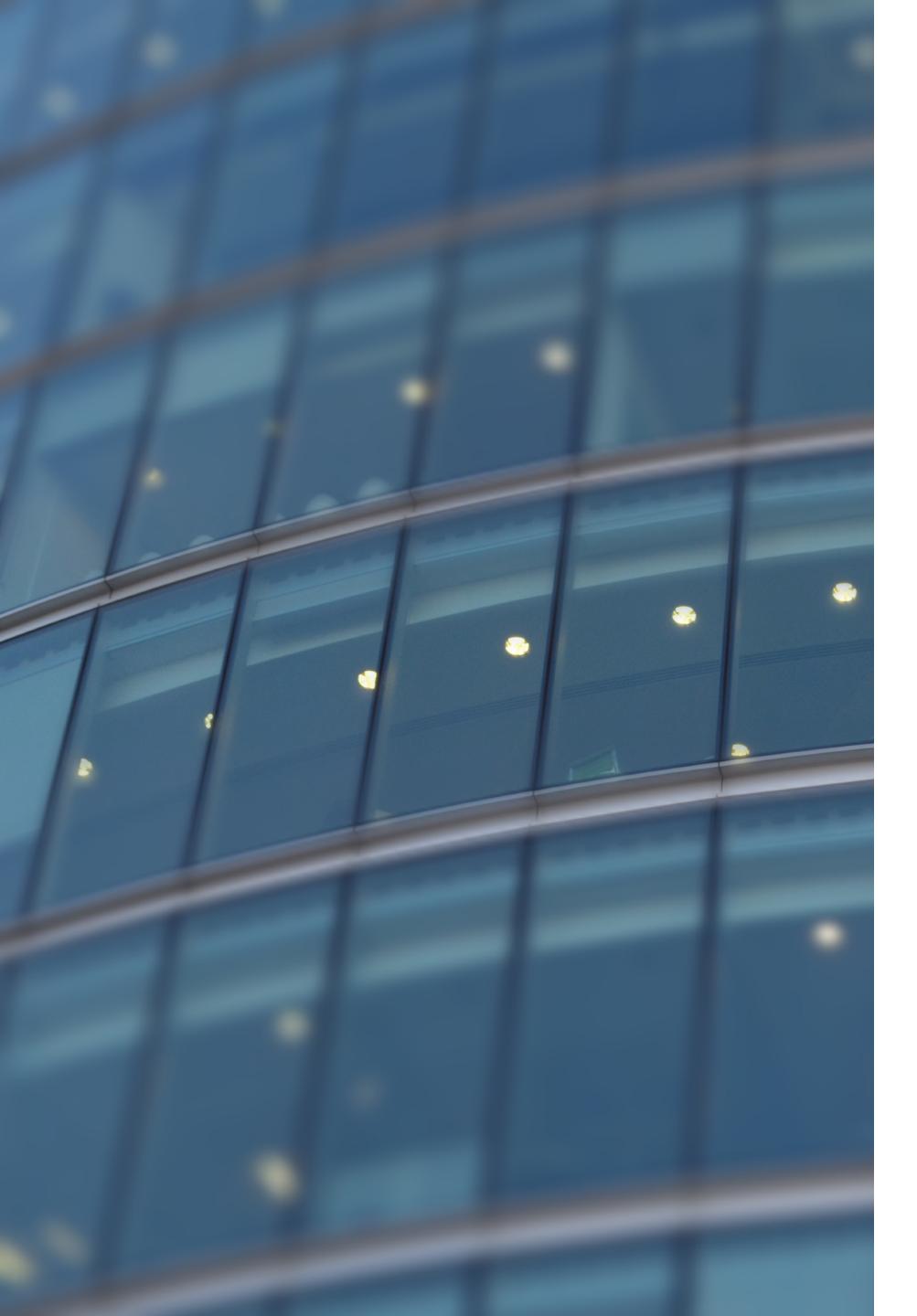
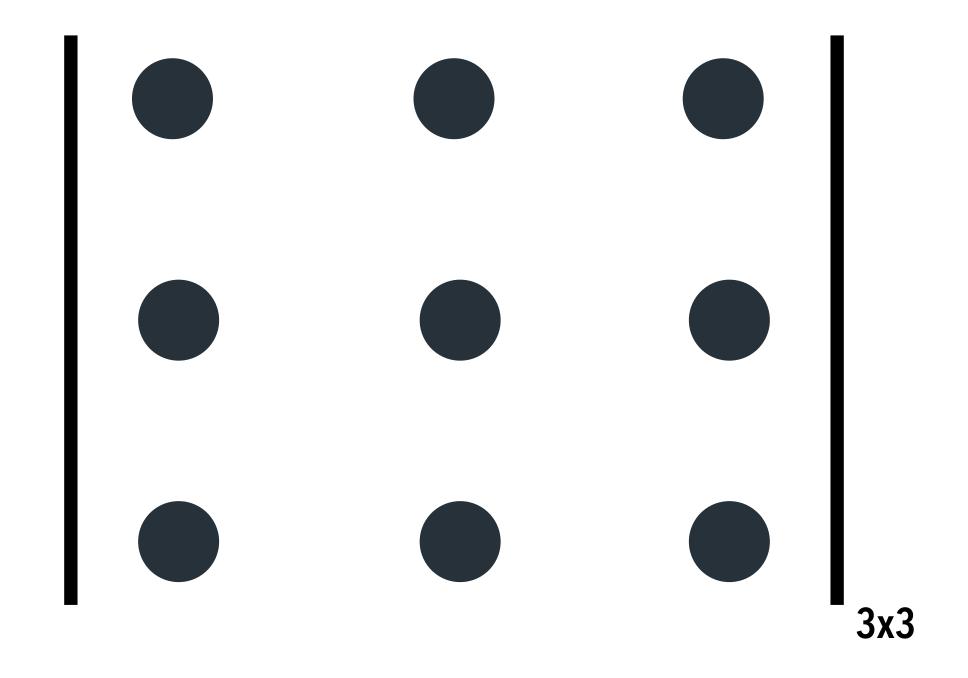


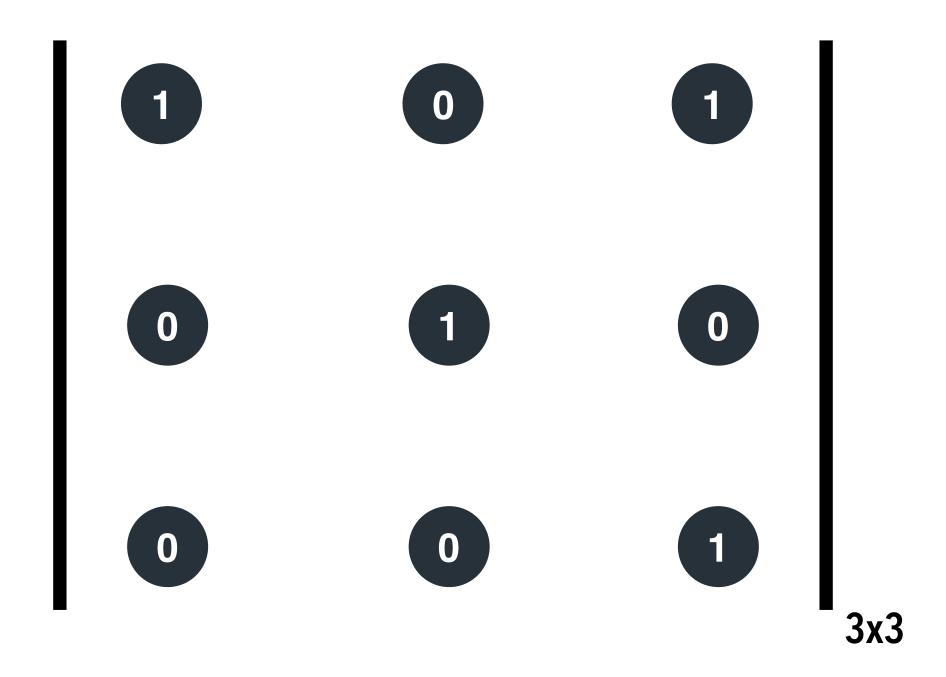
# transform() and setTransform()

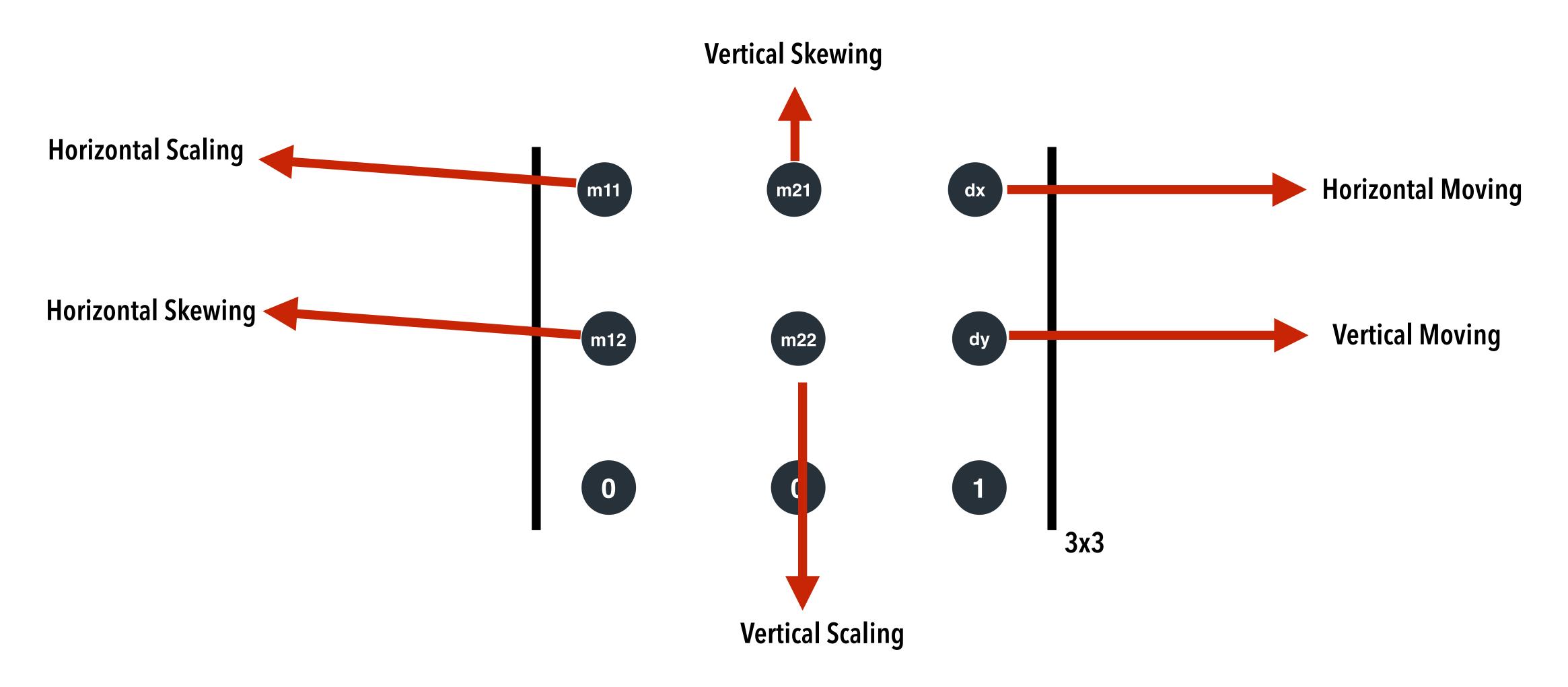


### WHAT WE LEARNT

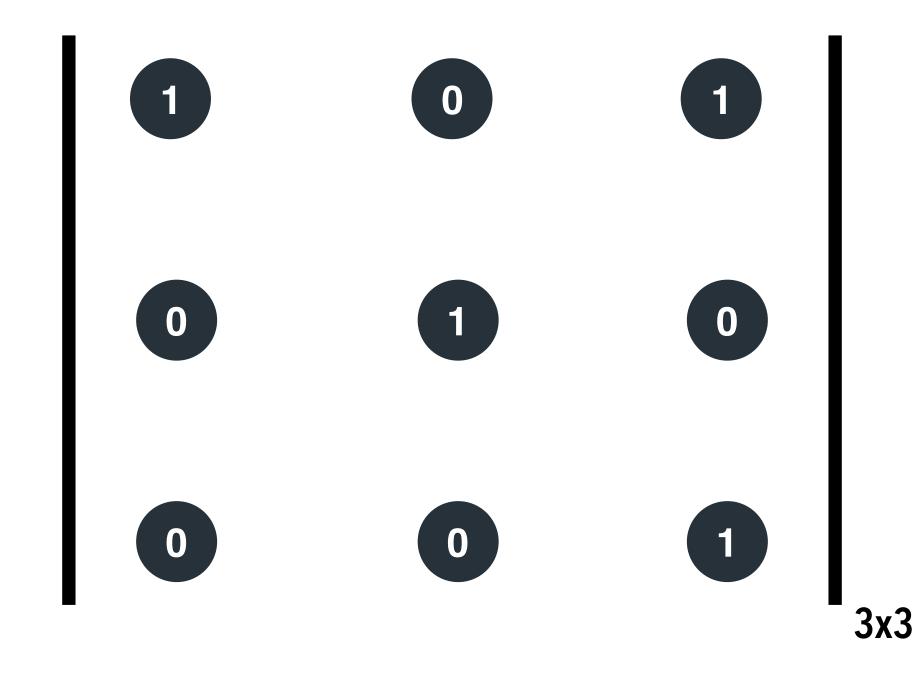
- Scale()
- Rotate()
- Translate()



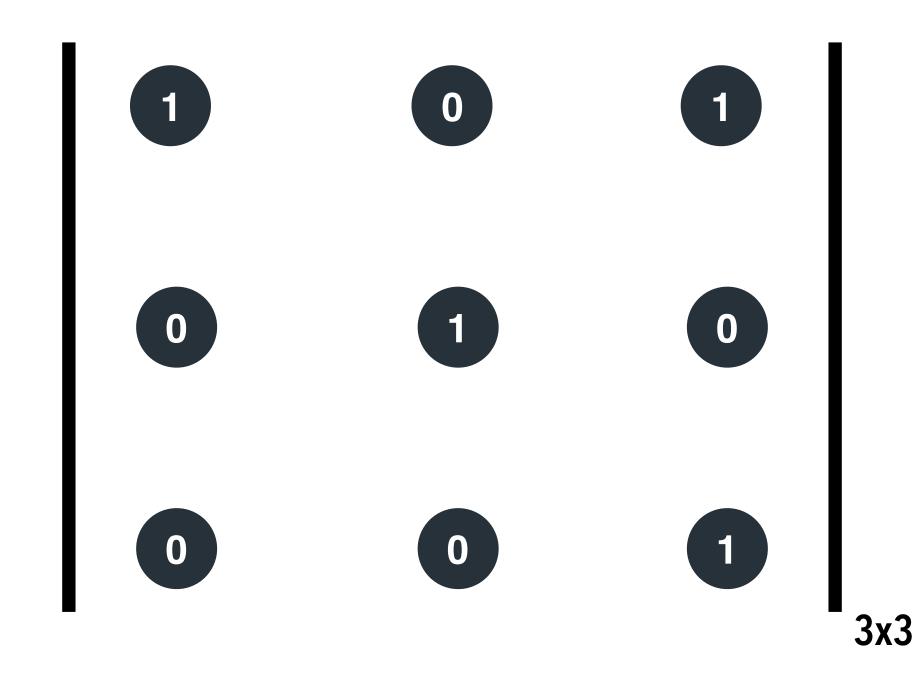




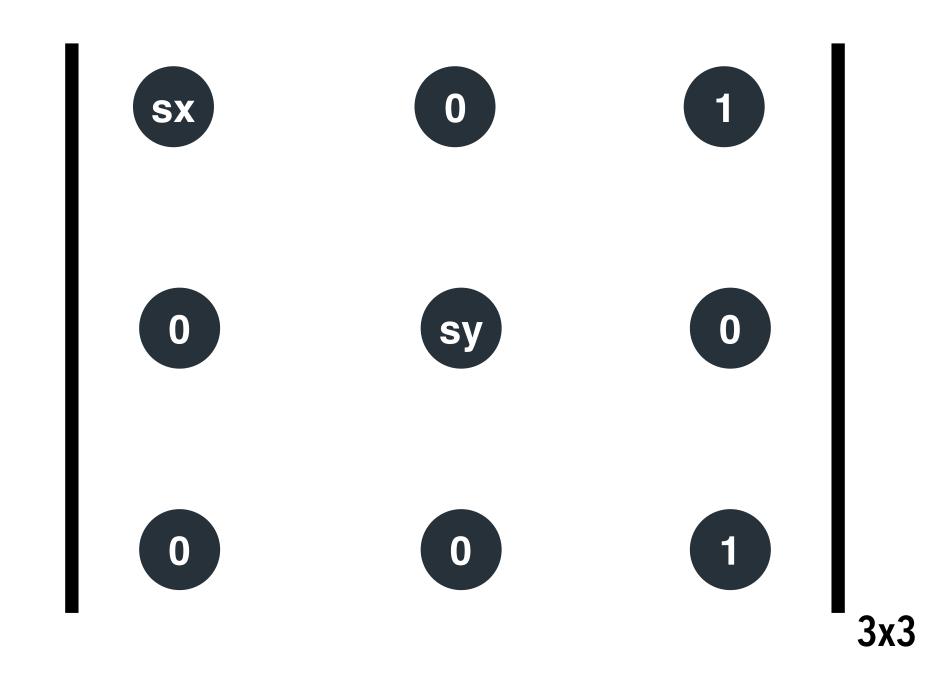
#### INITIAL STATE



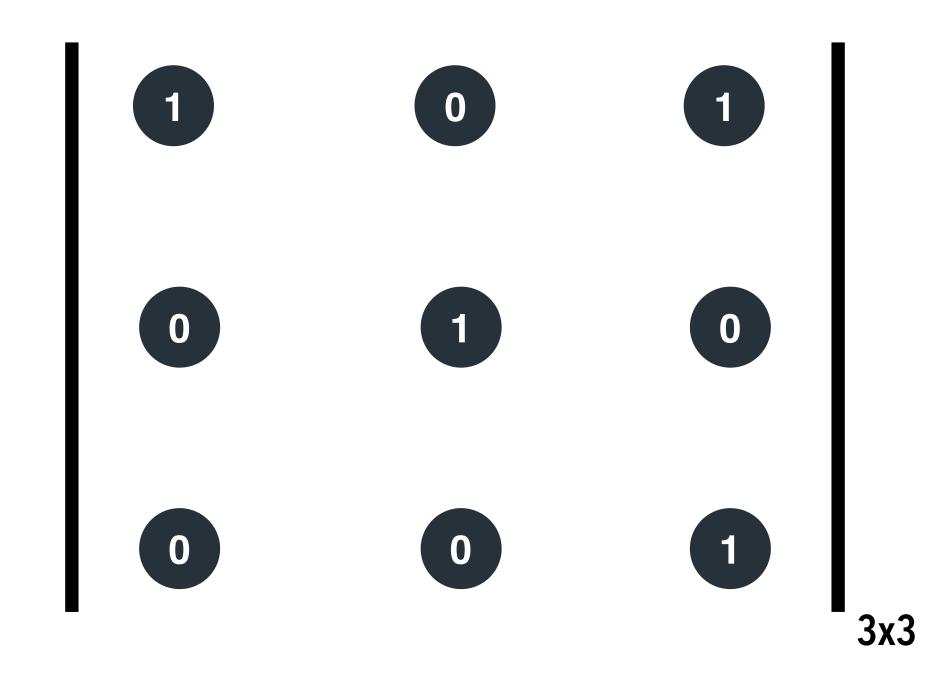
# scale(sx, sy)



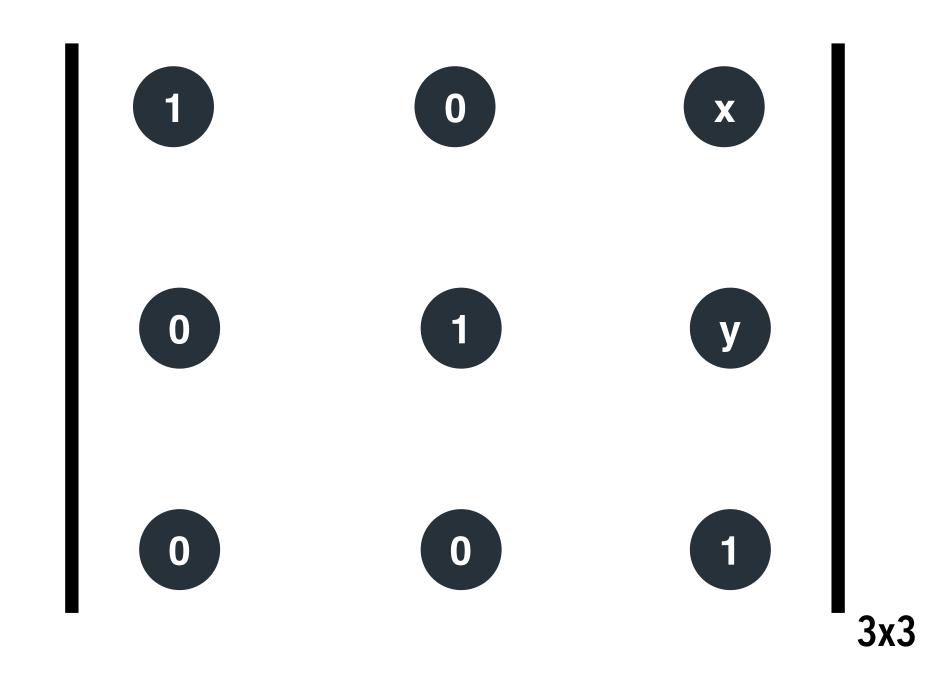
### scale(sx, sy)



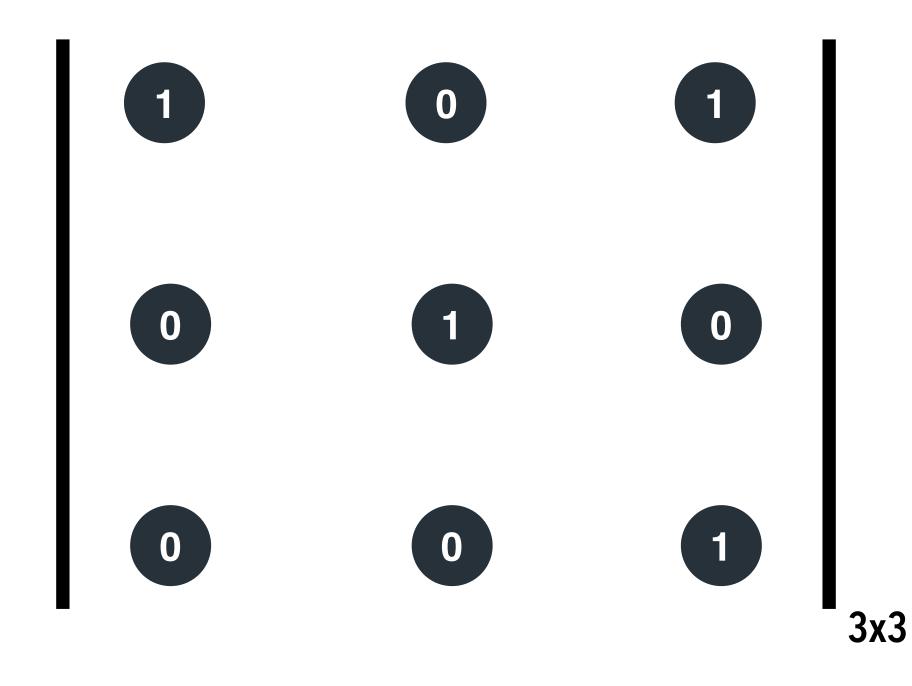
## translate(x, y)



# translate(x, y)

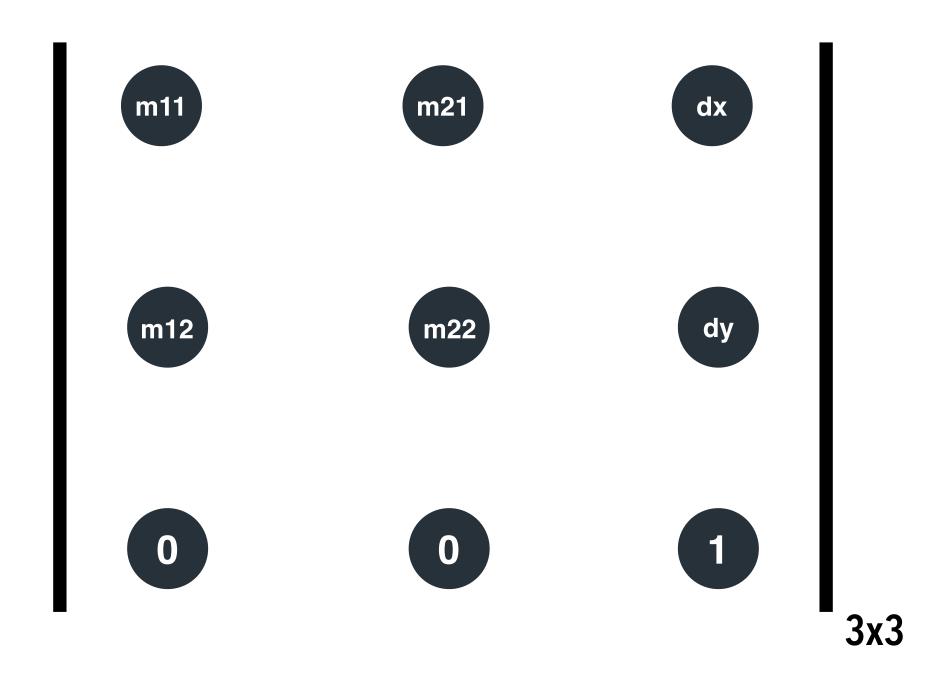


### rotate(\(\alpha\)

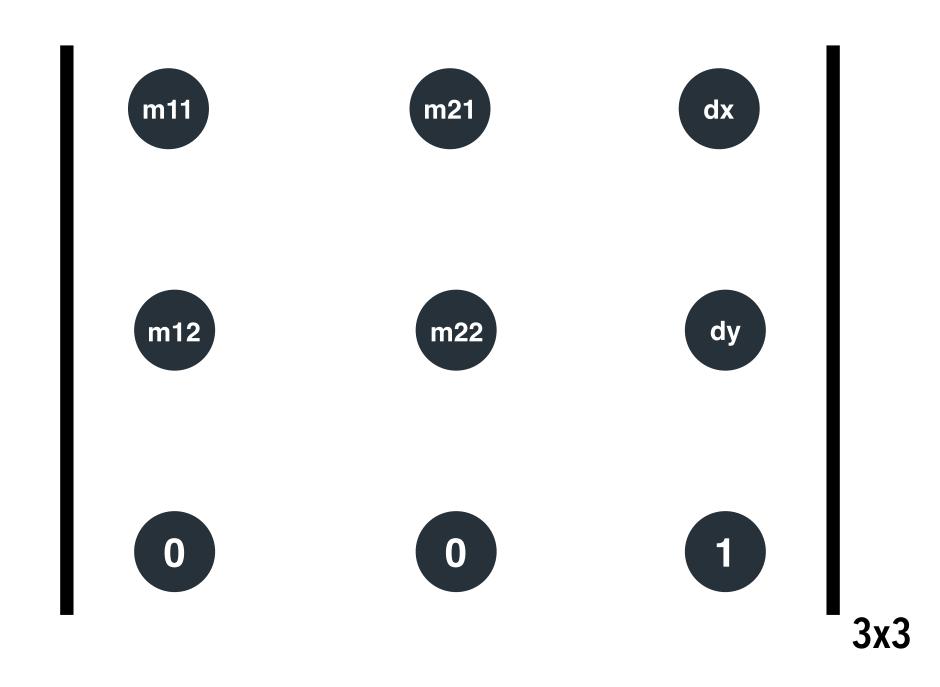


### rotate(x)

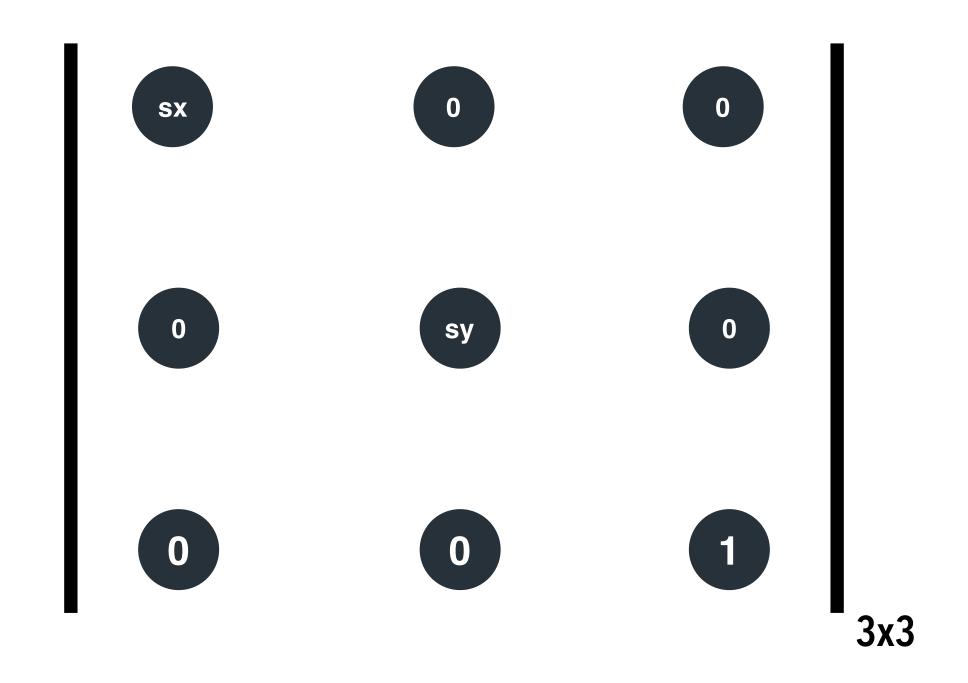




### transform(m11,m12, m21, m22, dx, dy)

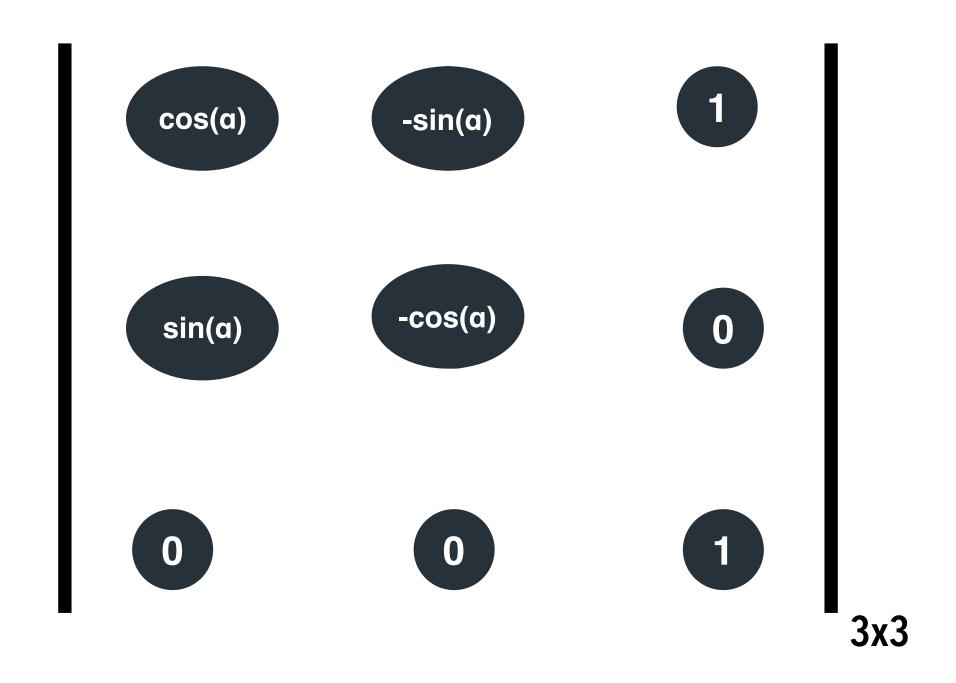


## transform(sx,0,0,sy,0,0)



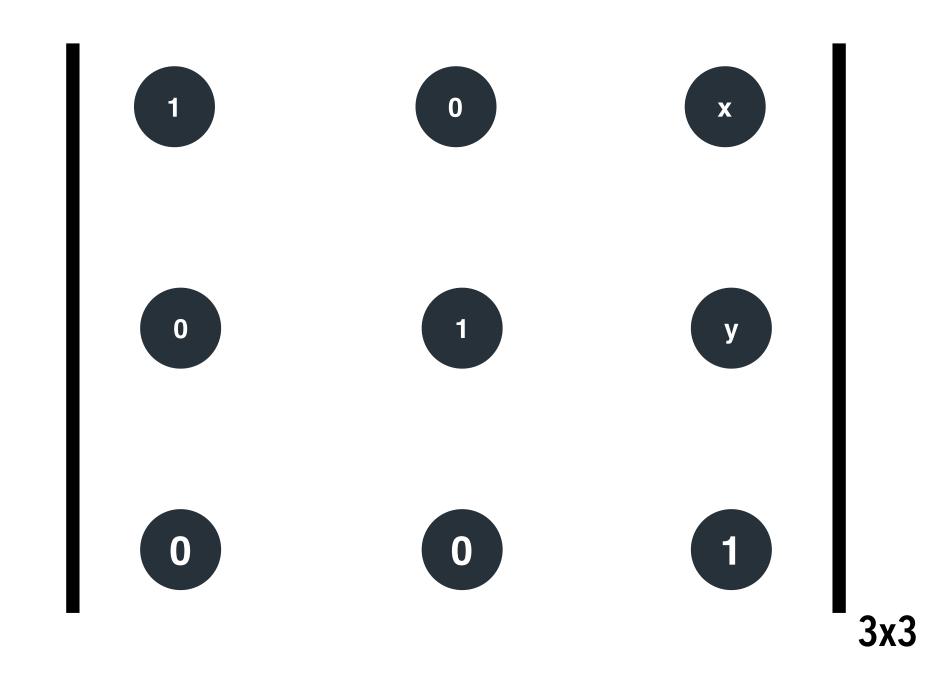
scale(sx,sy)

### transform( $\cos\alpha$ , $\sin\alpha$ , - $\sin\alpha$ , - $\cos\alpha$ , 0, 0)



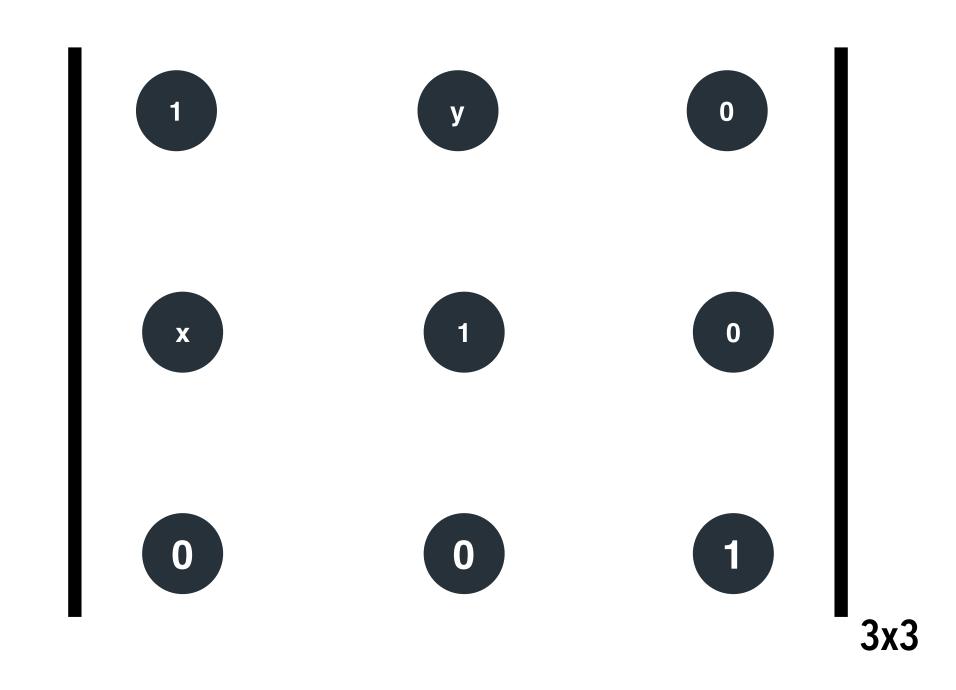
rotate(cx)

### transform(1,0,0,1,x,y)

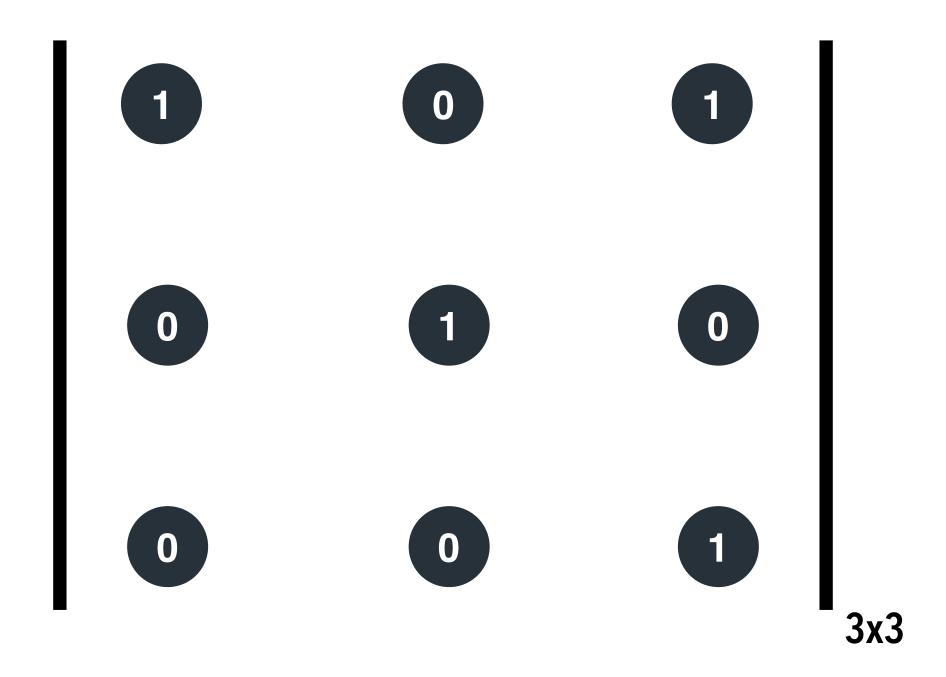


translate(x,y)

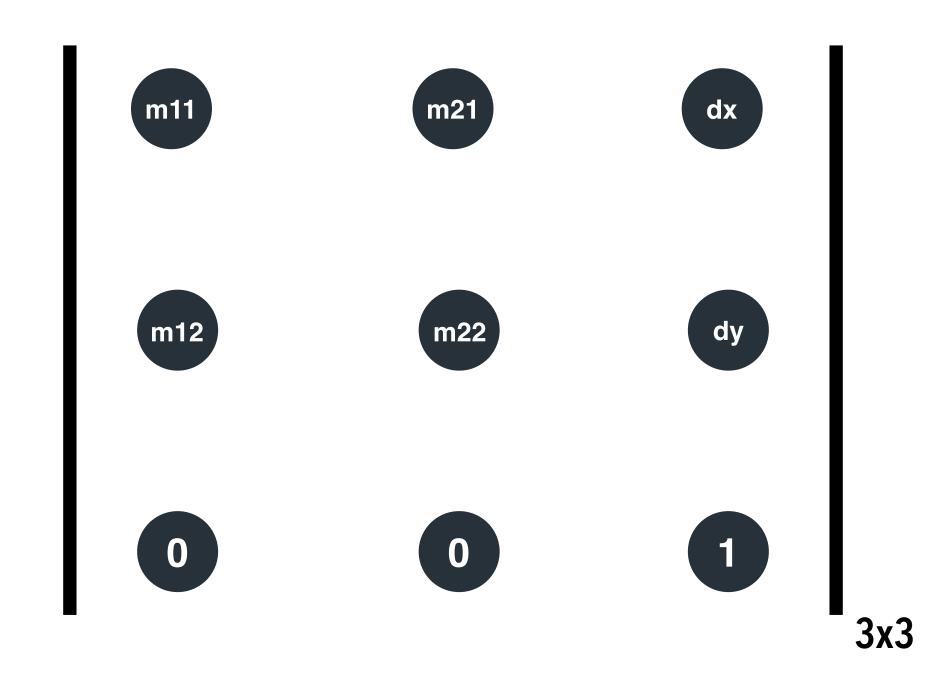
### transform(1,x,y,1,0,0)



skew(x,y)



### setTransform(m11,m12, m21, m21, m22, dx, dy)

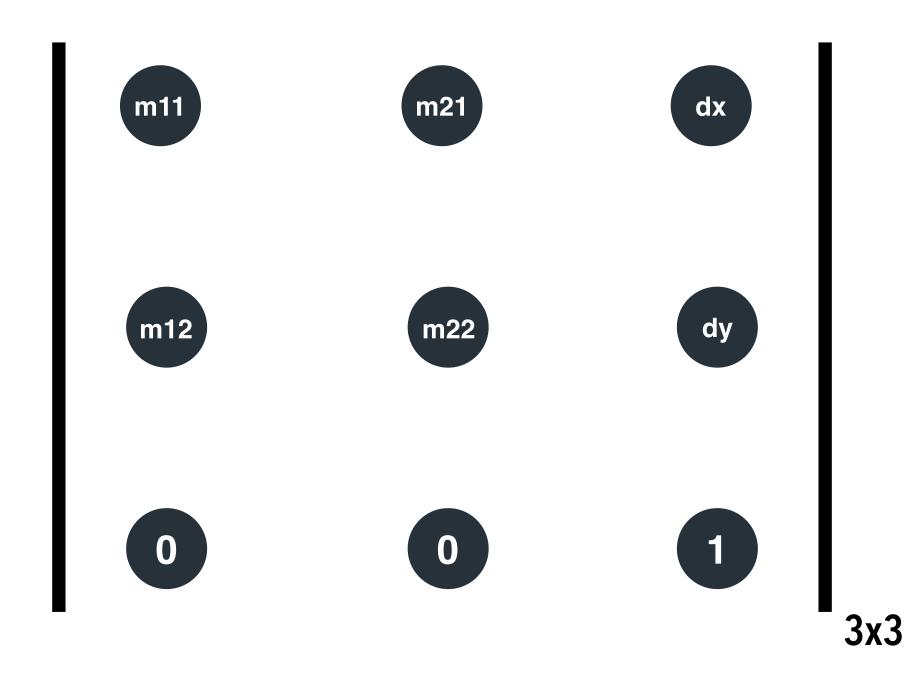


# transform() vs setTransform()

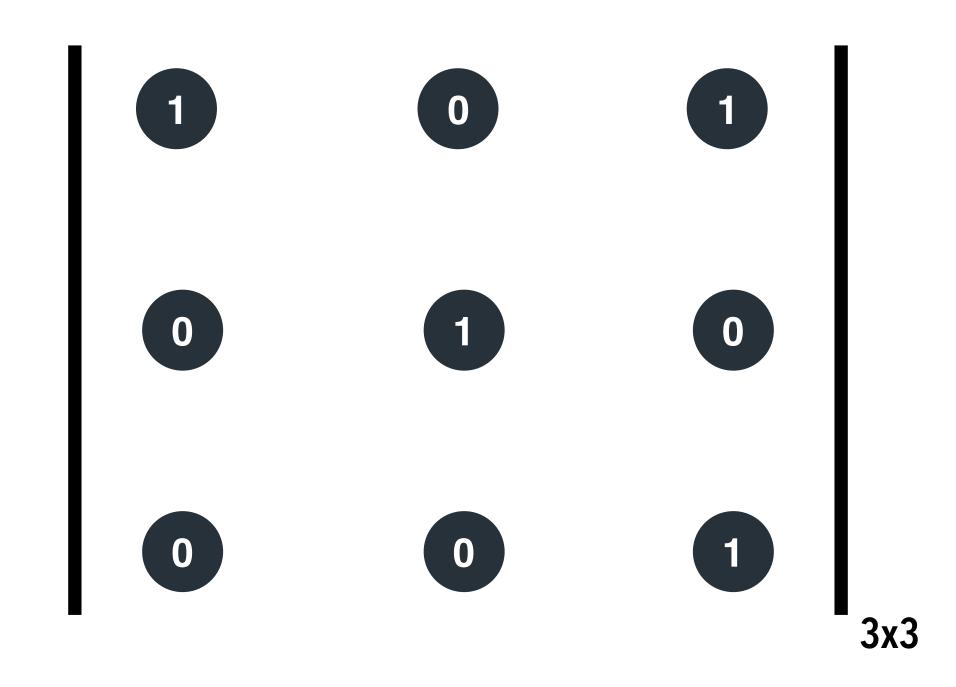
**Continues from transformed context** 

**Continues from initial context** 

# resetTransform()



### resetTransform()



setTransform(1,0,0,1,0,0)