



Load Image

Take Snapshot

Roll 'em



Original range: 0 - 255



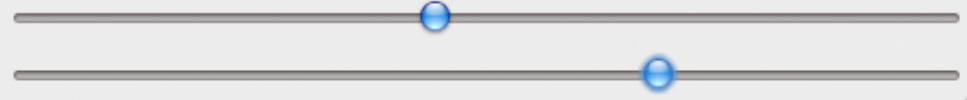
Load Image

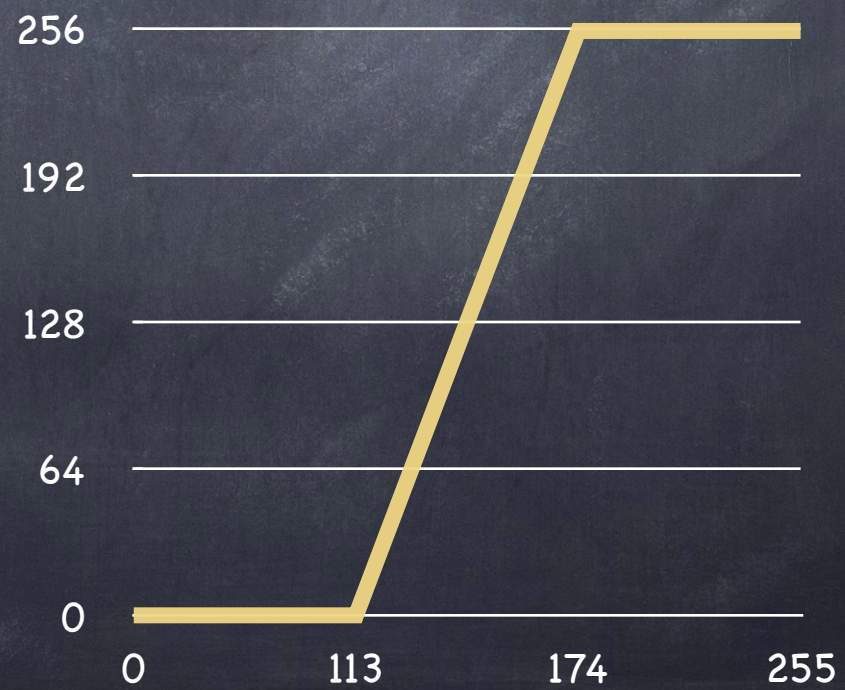
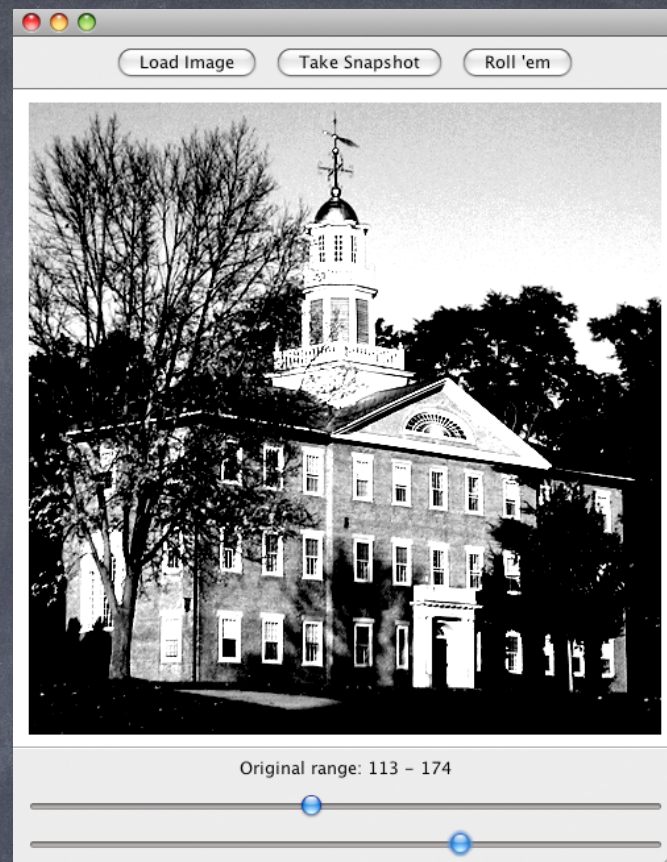
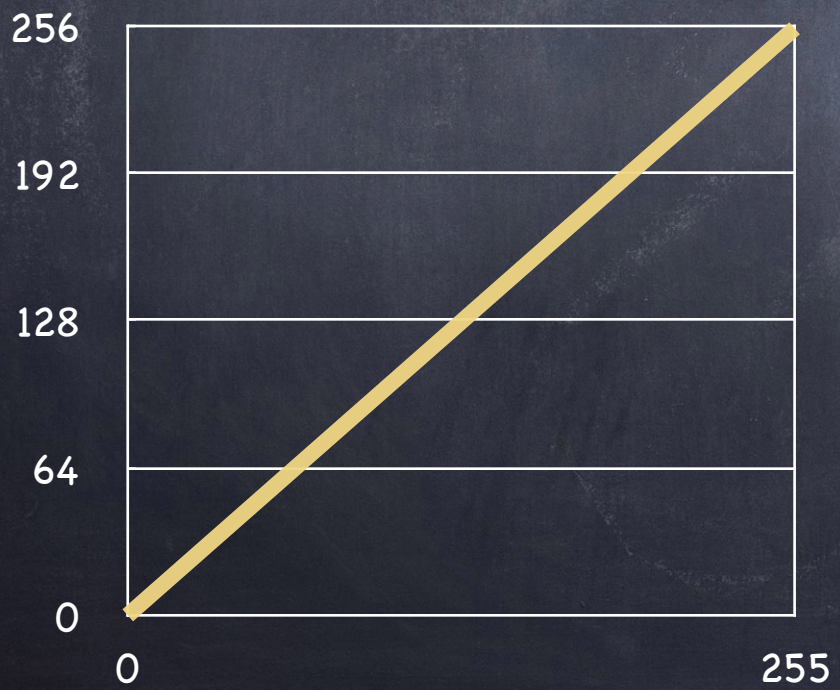
Take Snapshot

Roll 'em



Original range: 113 - 174





Load Image Take Snapshot Roll 'em

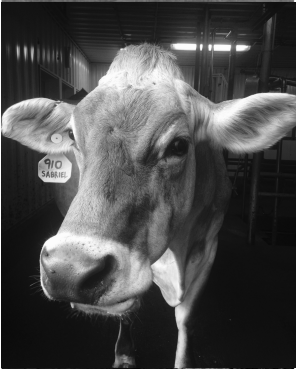


Image Scaling percentat (0-200): 70

This window shows a small, low-resolution image of a cow's head. The cow has a white tag on its left ear with the number '910' and the name 'SABRIEL'. The image is centered in the window. Below the image is a slider control for 'Image Scaling percentat (0-200)' with a blue knob positioned at 70.

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Image Scaling percentat (0-200): 100

This window shows a medium-resolution image of the same cow's head. The cow has a white tag on its left ear with the number '910' and the name 'SABRIEL'. The image is centered in the window. Below the image is a slider control for 'Image Scaling percentat (0-200)' with a blue knob positioned at 100.

Load Image Take Snapshot Roll 'em


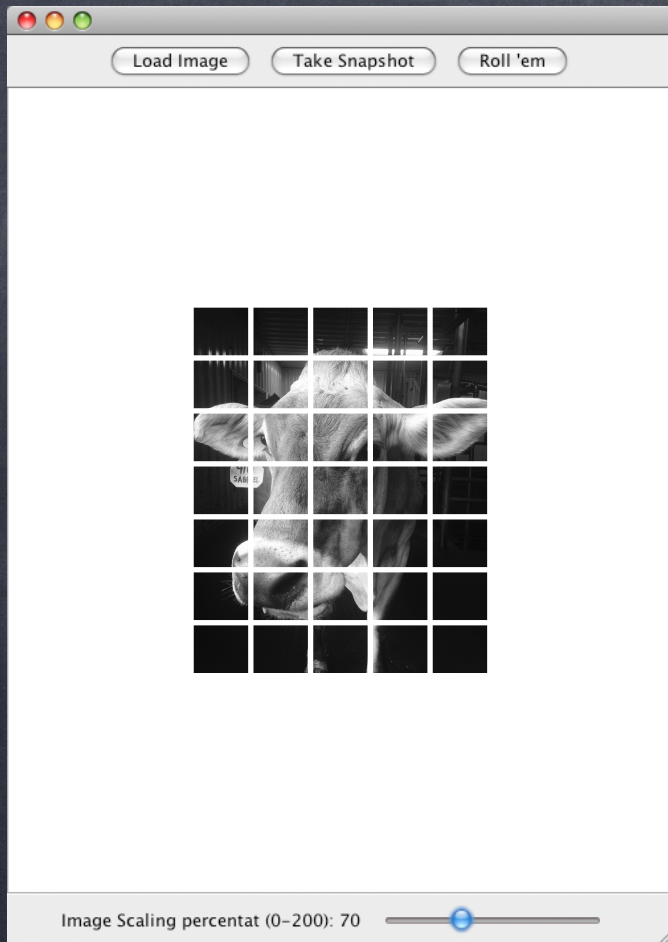
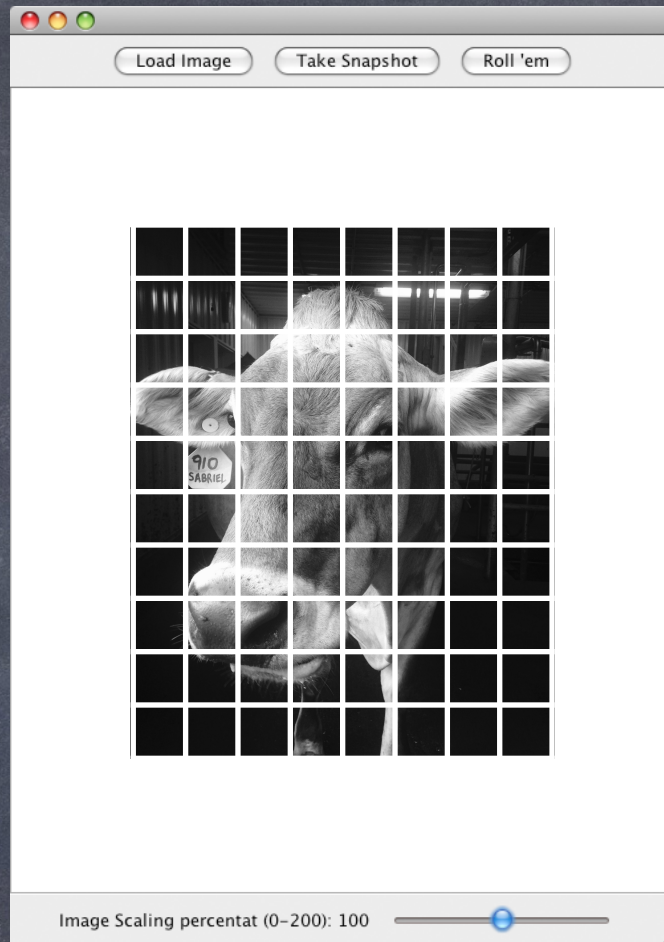


Image Scaling percentat (0-200): 140

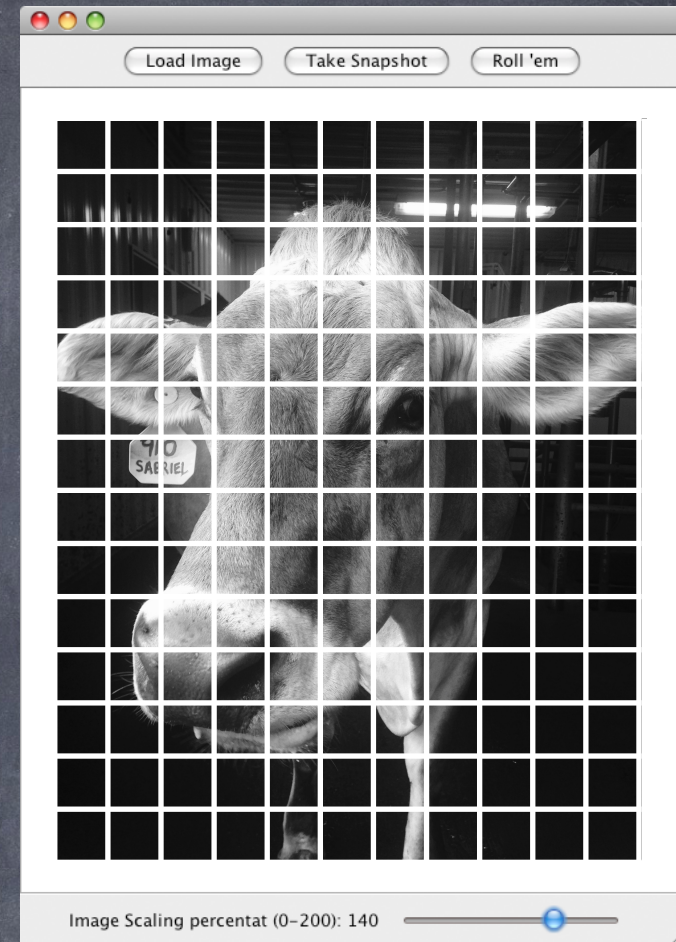
This window shows a large, high-resolution image of the same cow's head. The cow has a white tag on its left ear with the number '910' and the name 'SABRIEL'. The image is centered in the window. Below the image is a slider control for 'Image Scaling percentat (0-200)' with a blue knob positioned at 140.



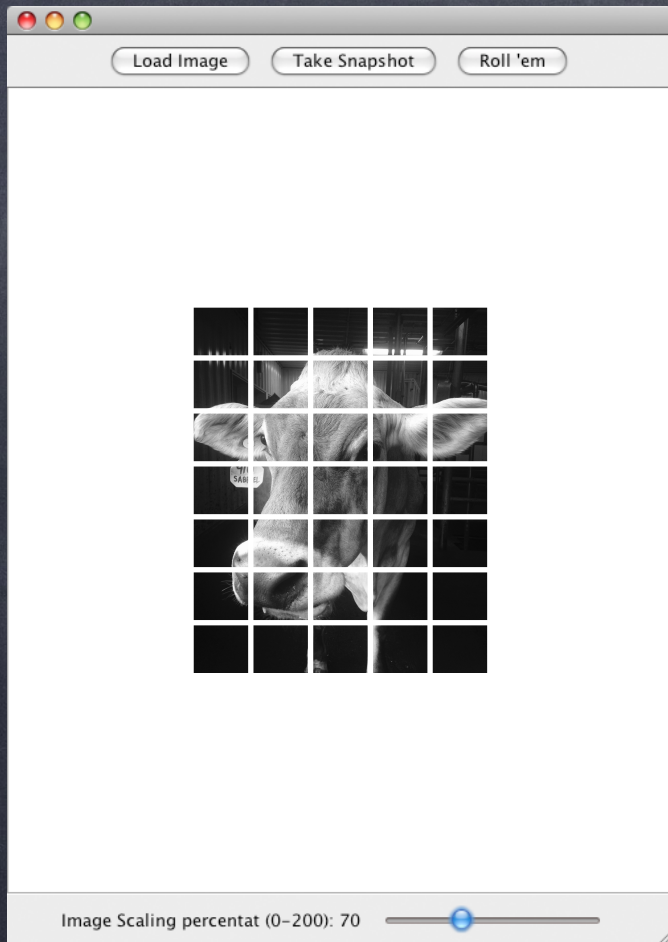
70%
(?x? pixels)



100%
(8x10 pixels)

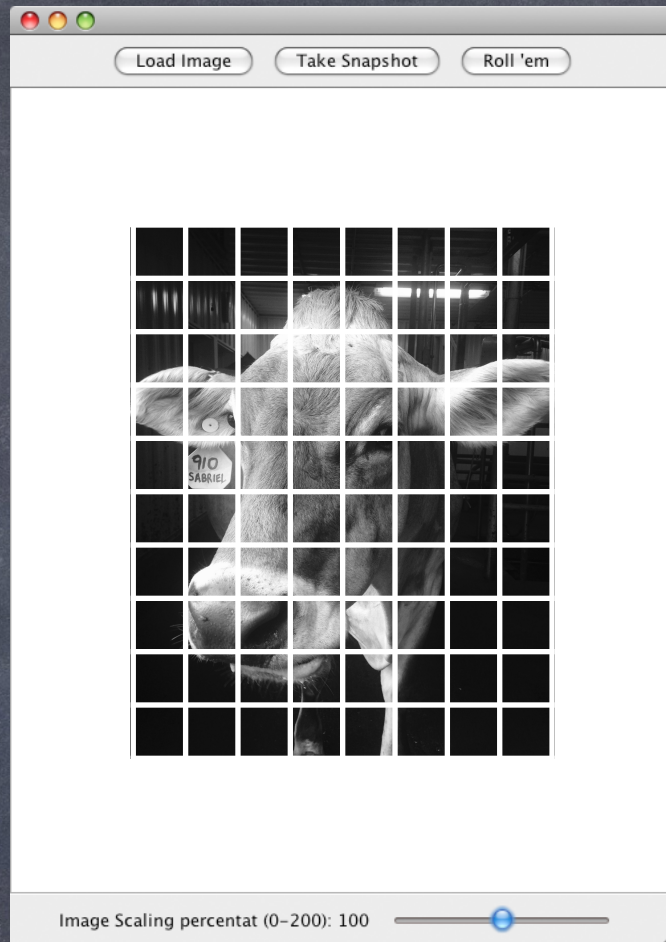


140%
(?x? pixels)

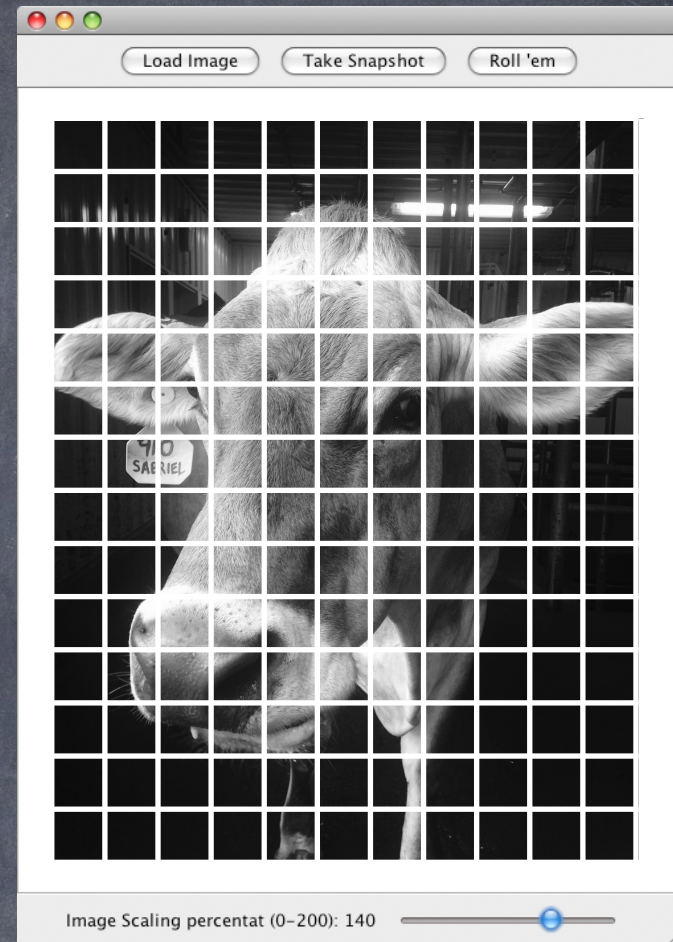


70%

$$8 * 70 / 100 = 5.6 = 5$$
$$10 * 70 / 100 = 7.0 = 7$$

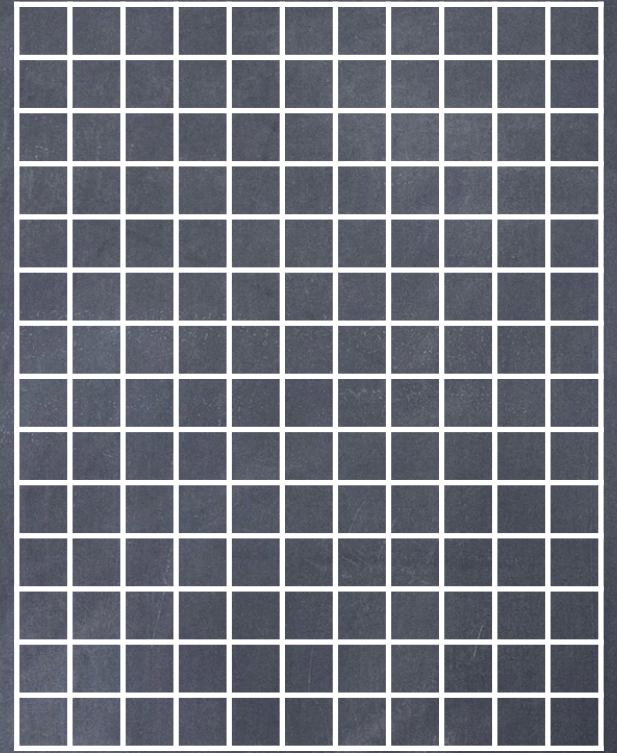
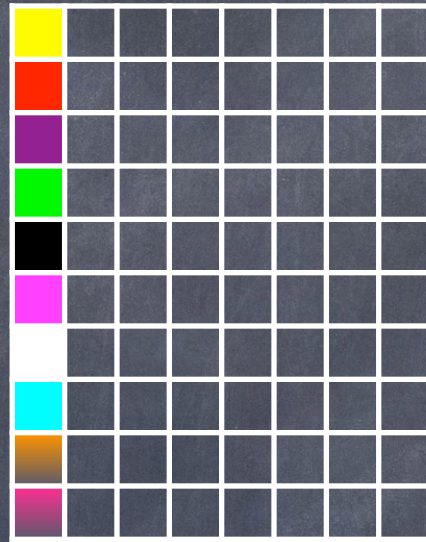
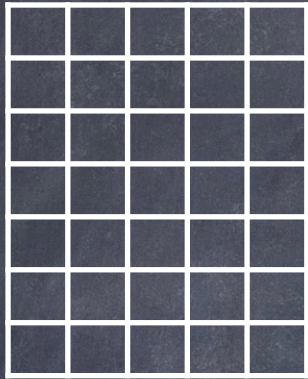


100%
(8x10 pixels)



140%

$$8 * 140 / 100 = 11.2 = 11$$
$$10 * 140 / 100 = 14.0 = 14$$

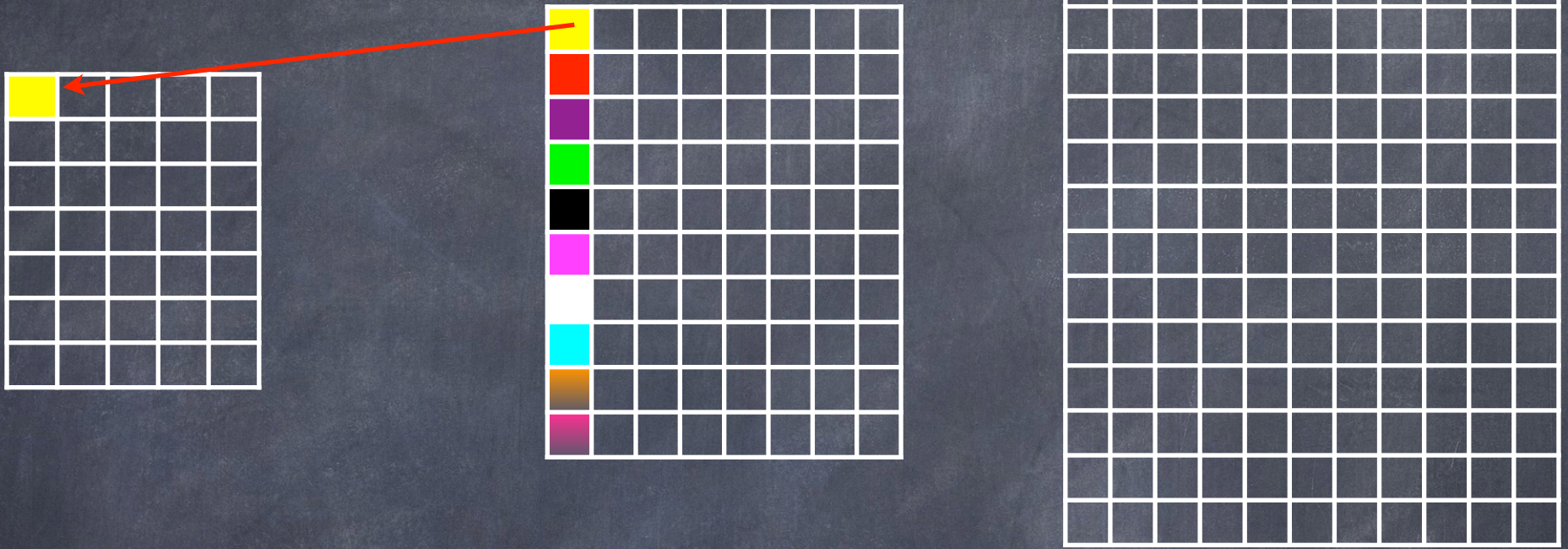


scaled[0][0] = ???

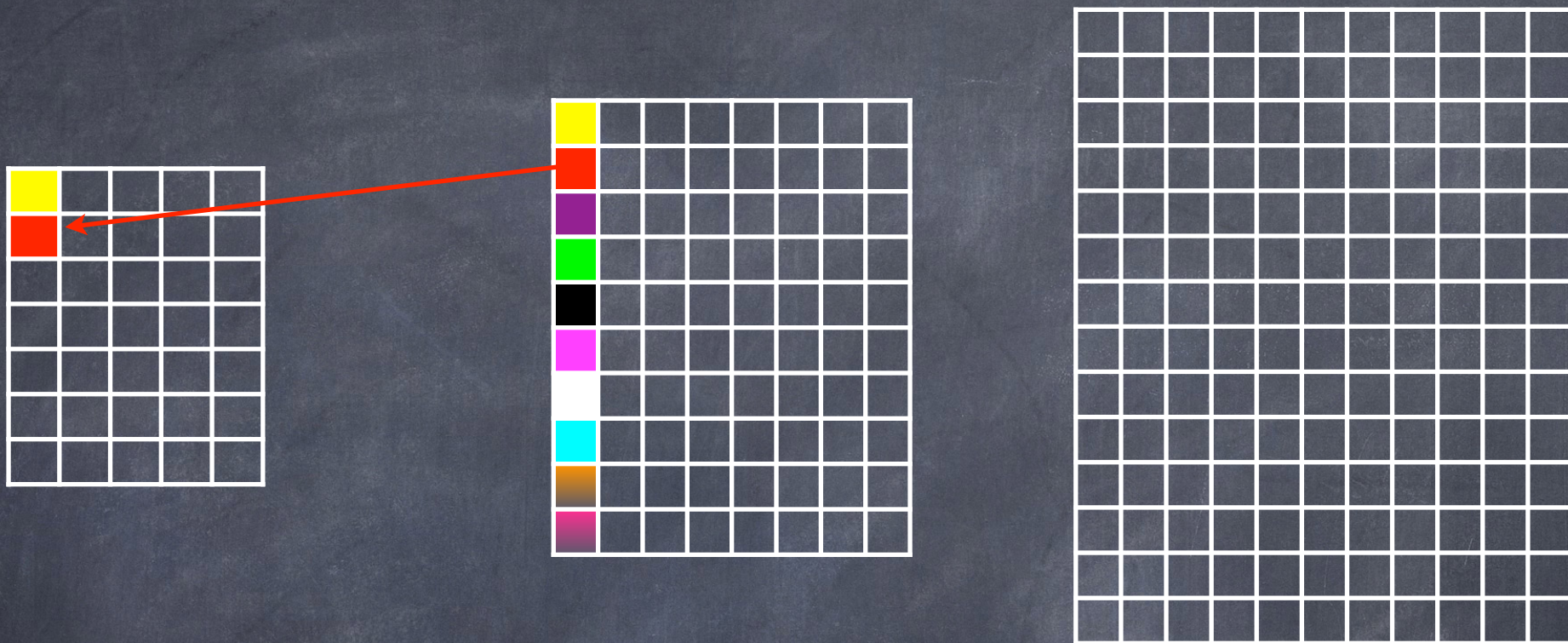
scaled[0][1] = ???

scaled[0][2] = ???

...

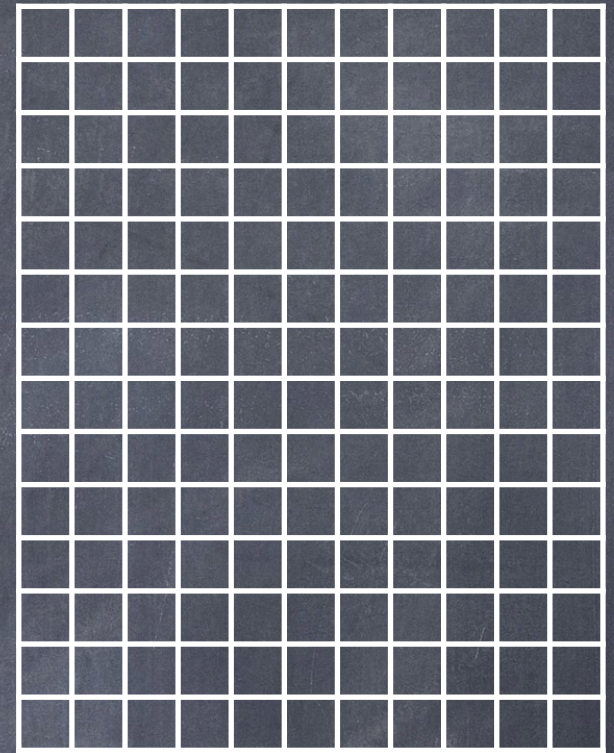
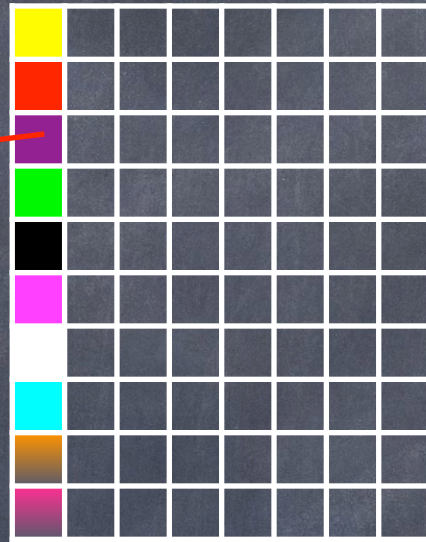
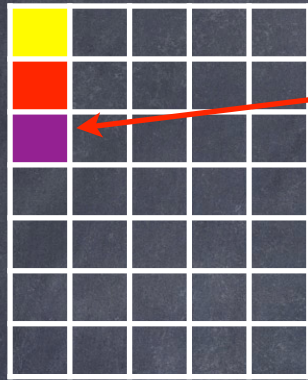


$$\text{scaled}[0][0] = \text{orig}[0 * 10 / 7][0 * 10 / 7] = \text{orig}[0][0]$$



$$\text{scaled}[0][0] = \text{orig}[0 * 10 / 7][0 * 10 / 7] = \text{orig}[0][0]$$

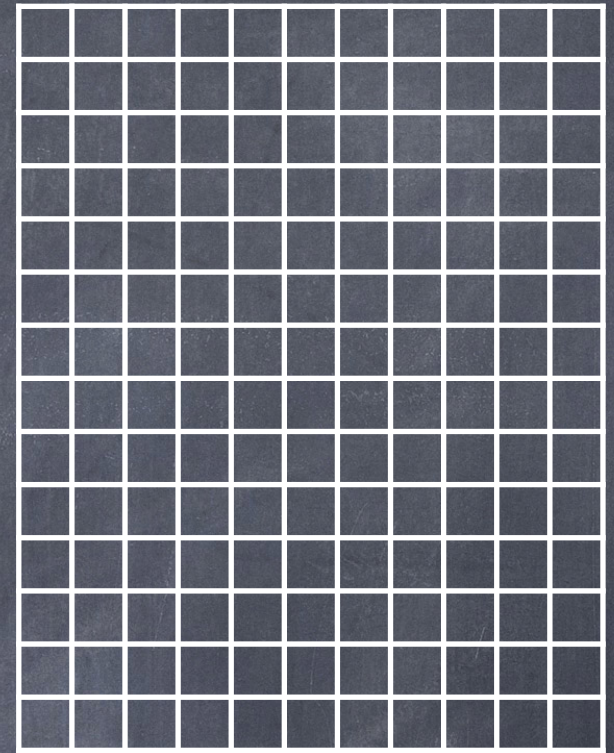
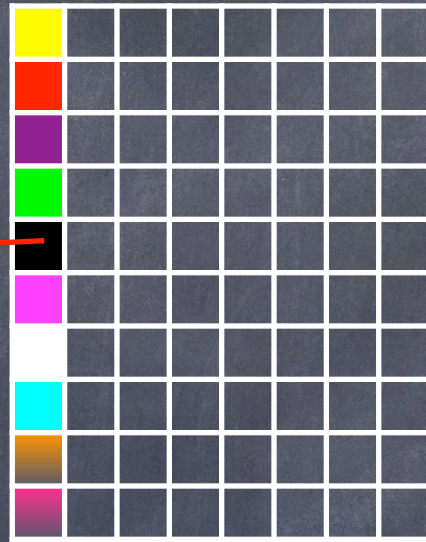
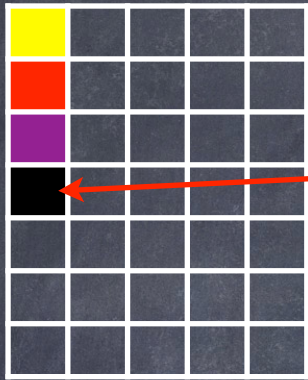
$$\text{scaled}[0][1] = \text{orig}[0 * 10 / 7][1 * 10 / 7] = \text{orig}[0][1]$$



$$\text{scaled}[0][0] = \text{orig}[0 * 10 / 7][0 * 10 / 7] = \text{orig}[0][0]$$

$$\text{scaled}[0][1] = \text{orig}[0 * 10 / 7][1 * 10 / 7] = \text{orig}[0][1]$$

$$\text{scaled}[0][2] = \text{orig}[0 * 10 / 7][2 * 10 / 7] = \text{orig}[0][2]$$

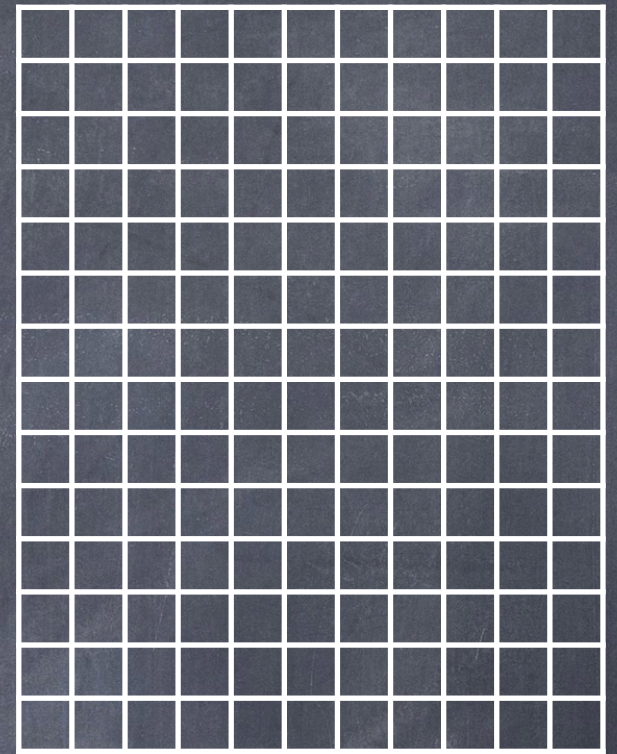
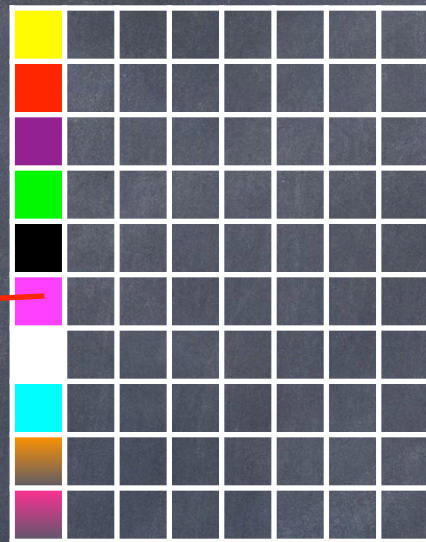
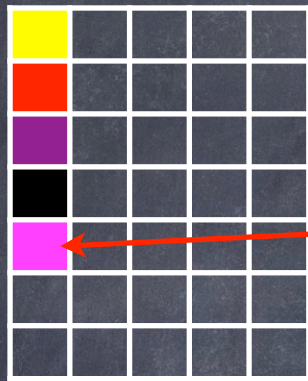


$$\text{scaled}[0][0] = \text{orig}[0 * 10 / 7][0 * 10 / 7] = \text{orig}[0][0]$$

$$\text{scaled}[0][1] = \text{orig}[0 * 10 / 7][1 * 10 / 7] = \text{orig}[0][1]$$

$$\text{scaled}[0][2] = \text{orig}[0 * 10 / 7][2 * 10 / 7] = \text{orig}[0][2]$$

$$\text{scaled}[0][3] = \text{orig}[0 * 10 / 7][3 * 10 / 7] = \text{orig}[0][4]$$



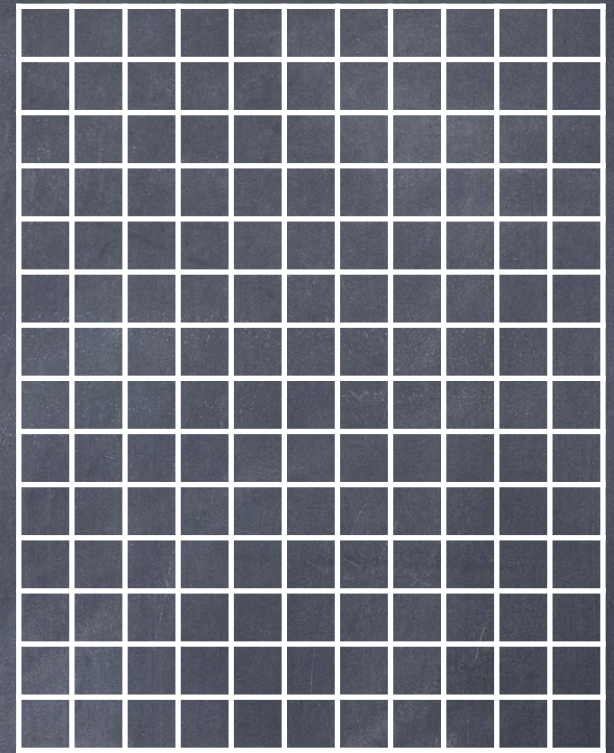
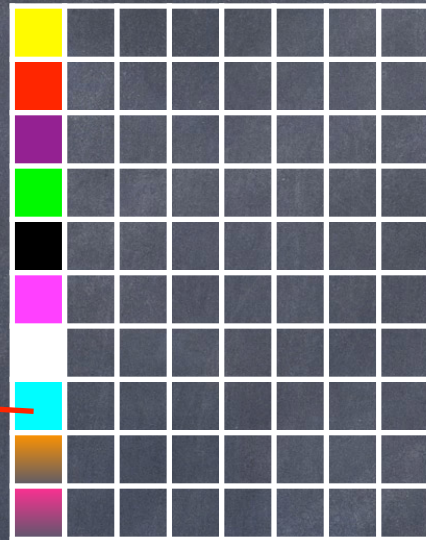
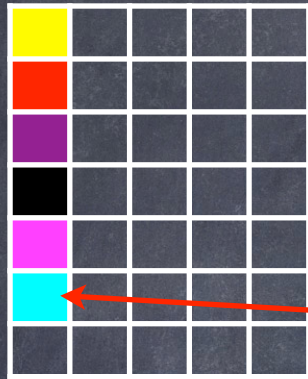
$$\text{scaled}[0][0] = \text{orig}[0 * 10 / 7][0 * 10 / 7] = \text{orig}[0][0]$$

$$\text{scaled}[0][1] = \text{orig}[0 * 10 / 7][1 * 10 / 7] = \text{orig}[0][1]$$

$$\text{scaled}[0][2] = \text{orig}[0 * 10 / 7][2 * 10 / 7] = \text{orig}[0][2]$$

$$\text{scaled}[0][3] = \text{orig}[0 * 10 / 7][3 * 10 / 7] = \text{orig}[0][4]$$

$$\text{scaled}[0][4] = \text{orig}[0 * 10 / 7][4 * 10 / 7] = \text{orig}[0][5]$$



$$\text{scaled}[0][0] = \text{orig}[0 * 10 / 7][0 * 10 / 7] = \text{orig}[0][0]$$

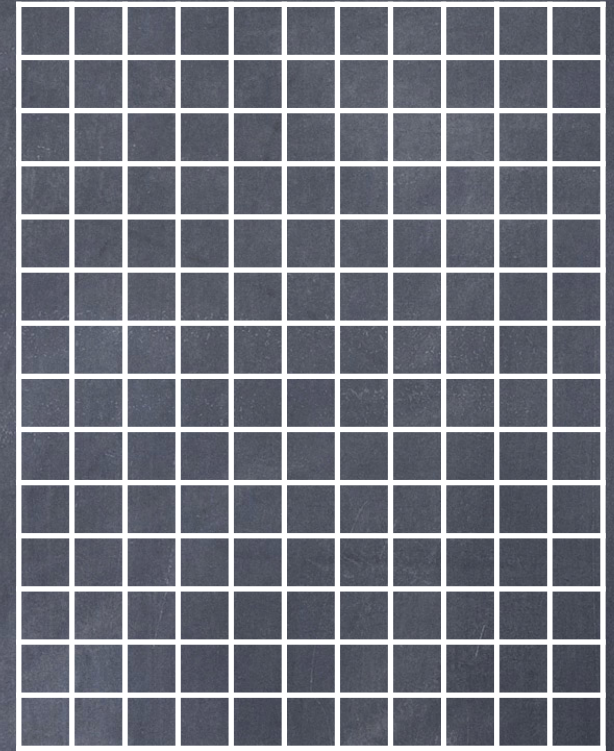
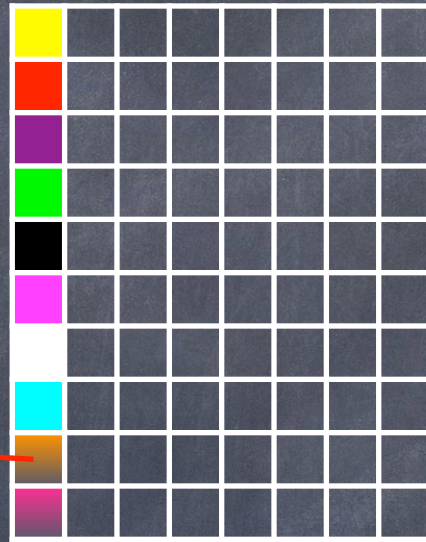
$$\text{scaled}[0][1] = \text{orig}[0 * 10 / 7][1 * 10 / 7] = \text{orig}[0][1]$$

$$\text{scaled}[0][2] = \text{orig}[0 * 10 / 7][2 * 10 / 7] = \text{orig}[0][2]$$

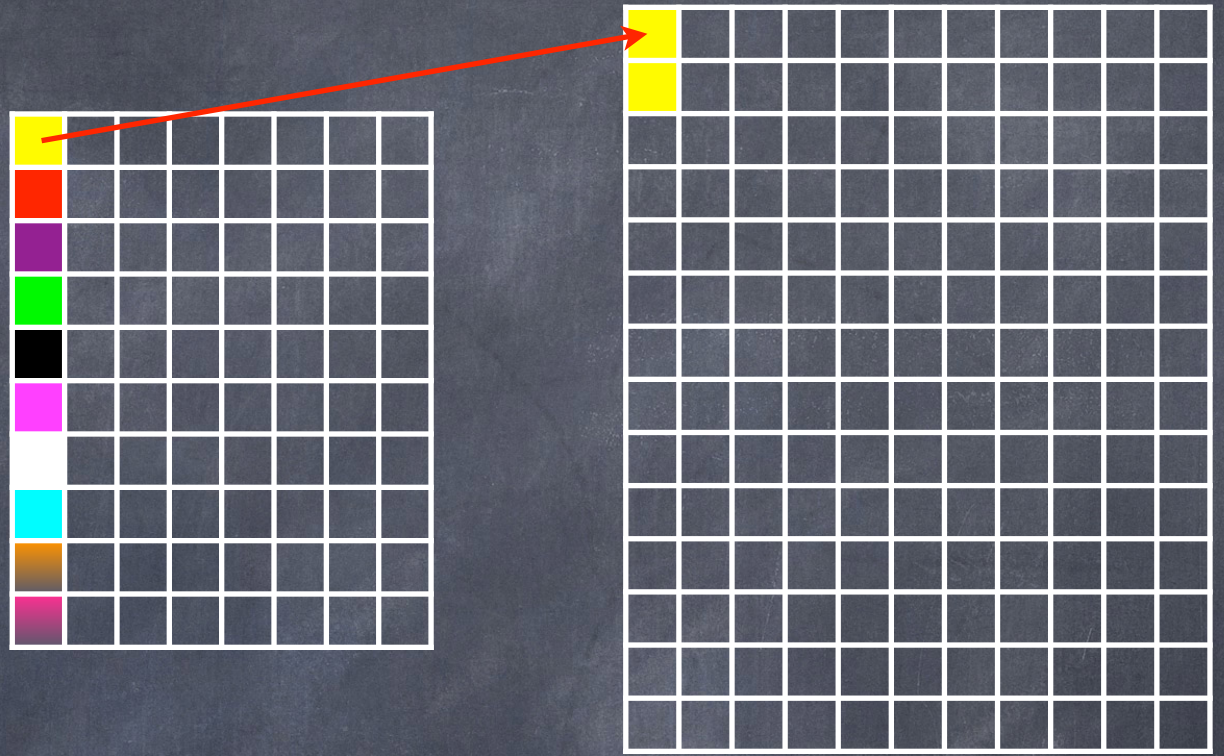
$$\text{scaled}[0][3] = \text{orig}[0 * 10 / 7][3 * 10 / 7] = \text{orig}[0][4]$$

$$\text{scaled}[0][4] = \text{orig}[0 * 10 / 7][4 * 10 / 7] = \text{orig}[0][5]$$

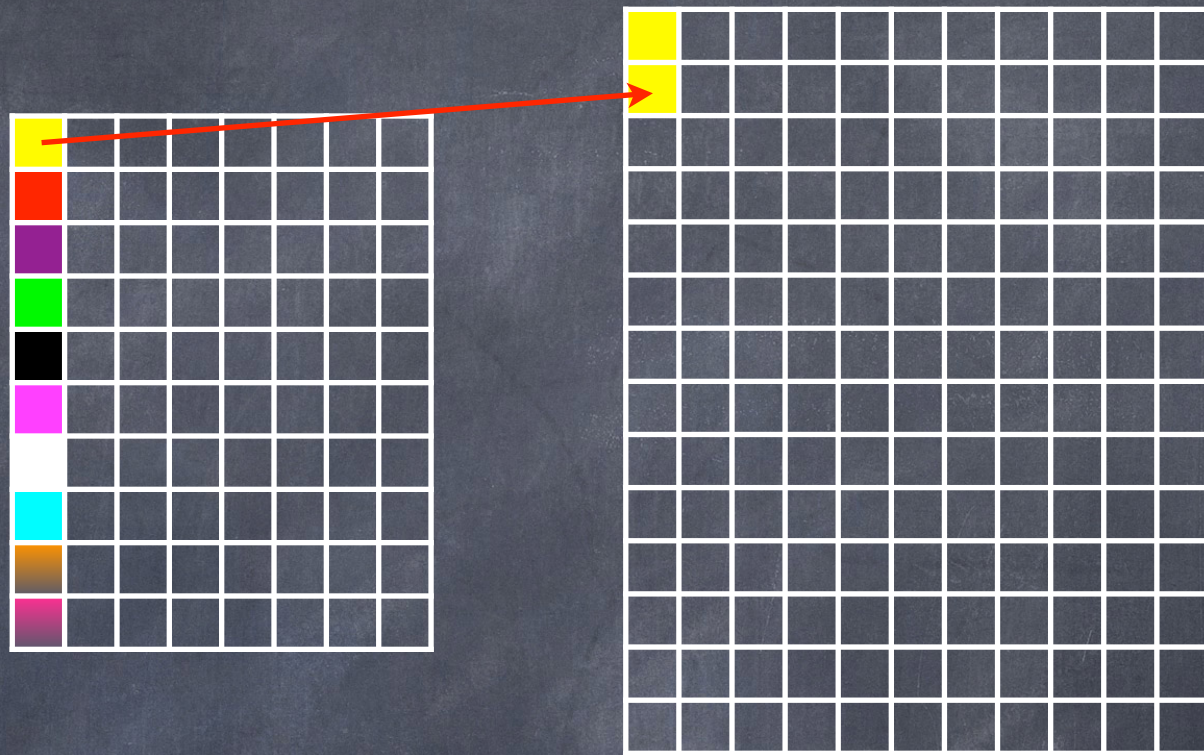
$$\text{scaled}[0][5] = \text{orig}[0 * 10 / 7][5 * 10 / 7] = \text{orig}[0][7]$$



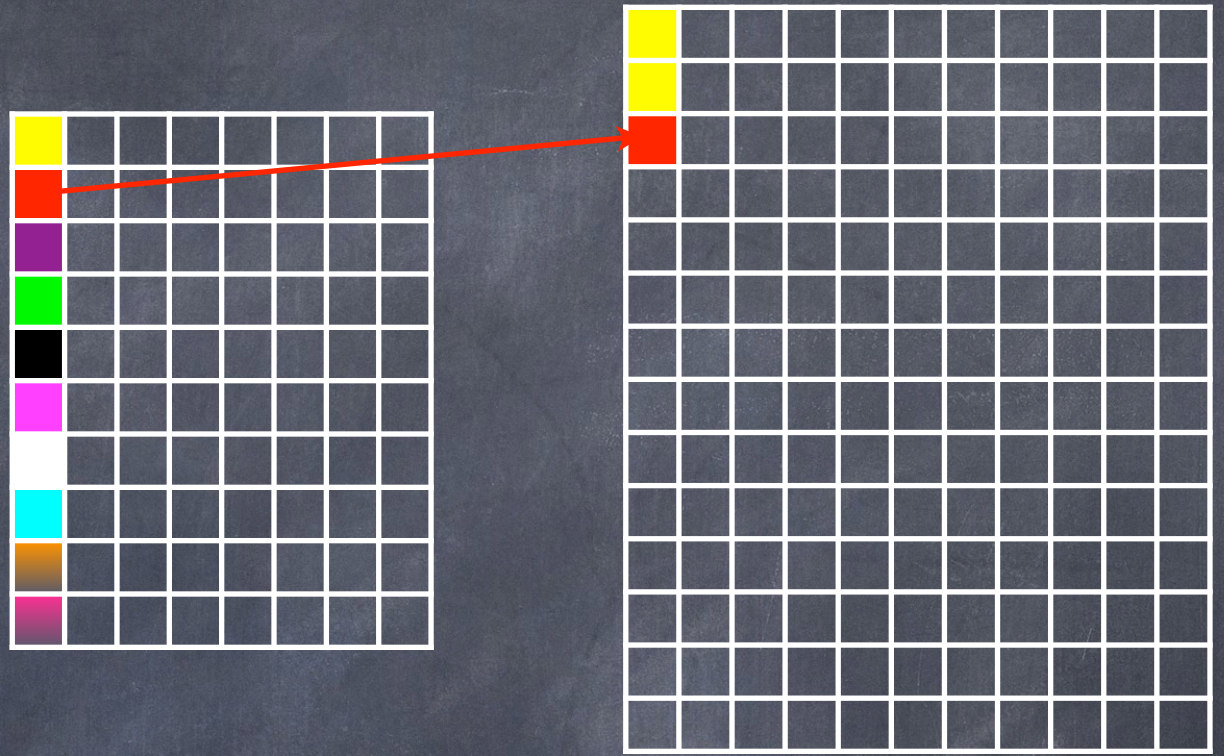
$$\text{scaled}[0][6] = \text{orig}[0 * 10 / 7][6 * 10 / 7] = \text{orig}[0][8]$$



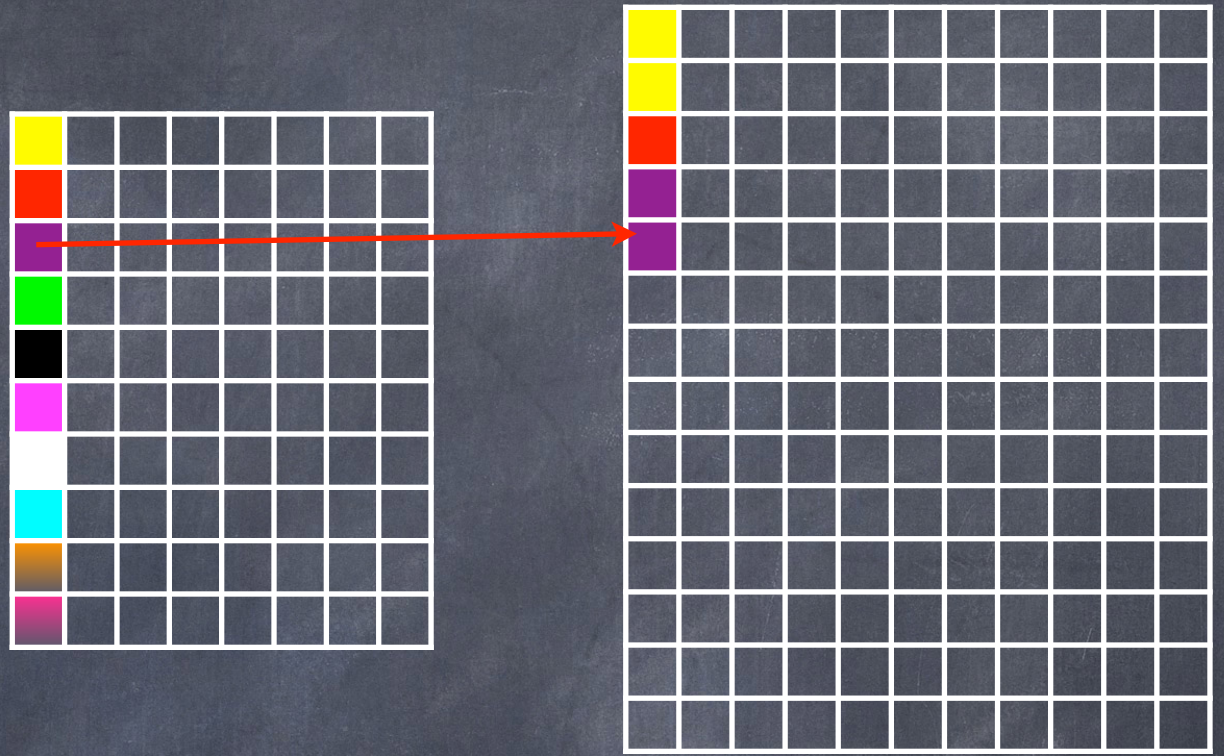
$$\text{scaled}[0][0] = \text{orig}[0 * 10 / 14][0 * 10 / 14] = \text{orig}[0][0]$$



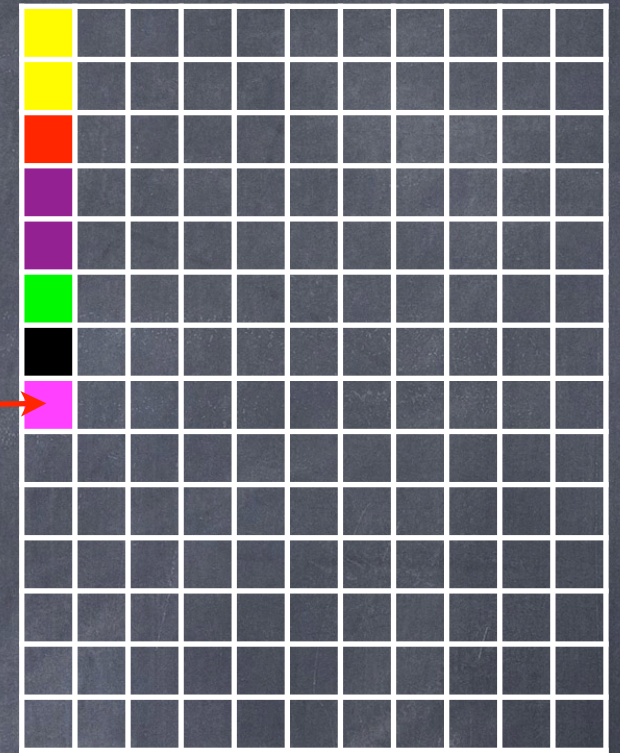
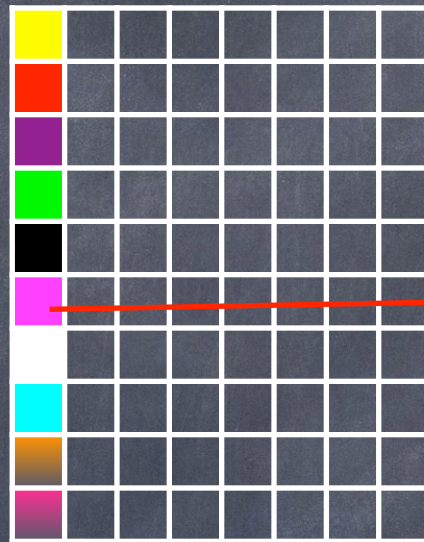
$$\text{scaled}[0][1] = \text{orig}[0 * 10 / 14][1 * 10 / 14] = \text{orig}[0][0]$$



$$\text{scaled}[0][2] = \text{orig}[0 * 10 / 14][2 * 10 / 14] = \text{orig}[0][1]$$



$$\text{scaled}[0][4] = \text{orig}[0 * 10 / 14][3 * 10 / 14] = \text{orig}[0][2]$$



$$\text{scaled}[0][7] = \text{orig}[0 * 10 / 14][7 * 10 / 14] = \text{orig}[0][5]$$

