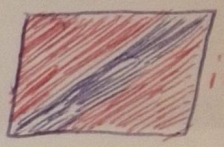
Assuming that you have a Gaussian pyramid of 5 images, that you made using cv2.pyrDown() like so:



- Steps to make a laplacian pyramid from our Gaussian pyramid:

1. We begin from smallest image on the pyramid and proceeding on the larger one.

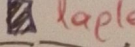
```
n-1 = cv2.pyrUp(img4) # make sure its the same size with img3
laplacian_1 = cv2.subtract(n-1, img3)
```

You repeat the two above lines for every layer of images.

```
n-2 = cv2.pyrUp(img3) # make sure it is same size with img2
laplacian_2 = cv2.subtract(n-2, img2)
```

-> Gaussian pyramid
-> colored images
-> created with cv2.pyrDown

:etc... Result:



-> edges will be white, rest is black
-> laplacian Pyramid