Experiment 2

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Introduction

Color transfer is a practical method to change the appearance of a source image according to the color patternof a target image.

```
sourceImage = cv2.imread("colortransfer/res.png")
targetImage = cv2.imread("colortransfer/scotland_house.jpg")
```

patternof a target image.You dont need to call an any argument to run program you c-just run as python3 pa2_1.py

to run program you just need to put file to folder colortransfer and change the name from inside of pa2_1.py .

Question 1: Why does the algorithm change color space from RGB to Lab?

Its main advantage on RGB is by having 1 channel dedicated to the Luminosity of the Image and 2 others dedicated to the color information.

This means if you need to process only Luminosity / Color you can do that using LAB without having any effect on Color / Luminosity.

Question2 : Show the results of your implementation for several images (you can use different images except the provided ones).
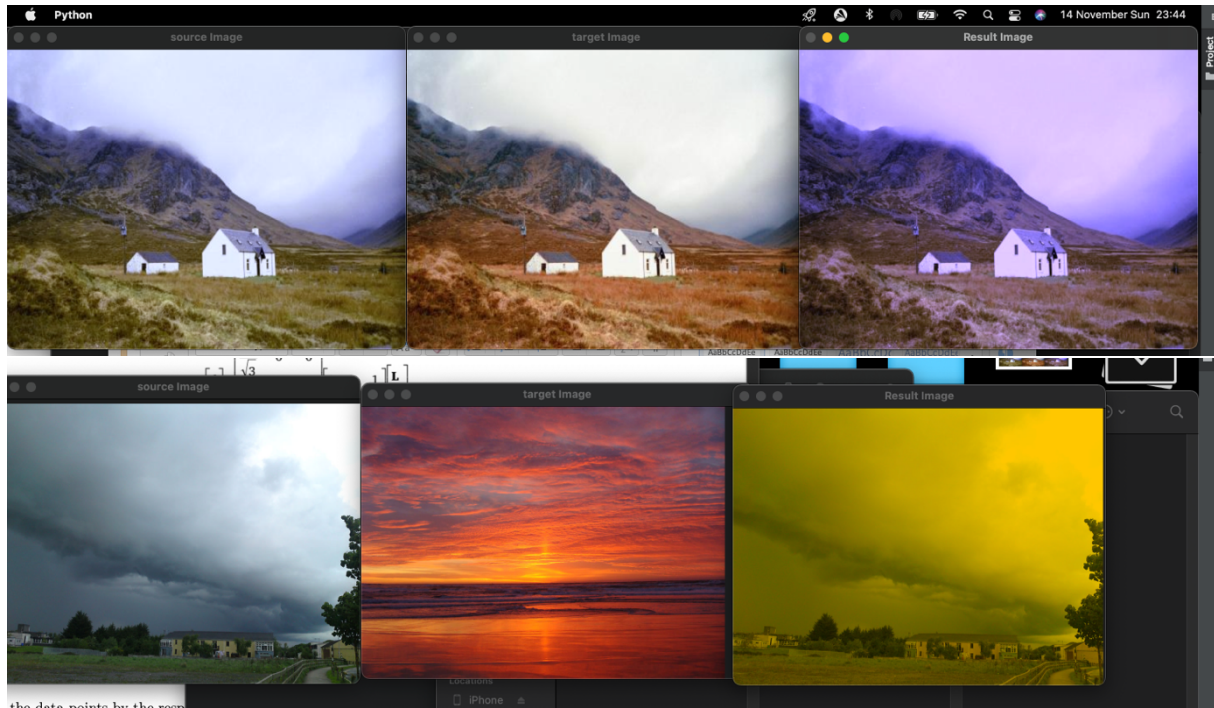
Question 3: What are the disadvantages of the given color transfer algorithm? Show some failure results of the algorithm. Comment about the reasons.