作业 1

第一题：

Suppose we wish to create a video transition such that the second video appears under the first video through an opening circle (like a camera iris opening), as in Fig. 2.22. Write a formula to use the correct pixels from the two videos to achieve this special effect. Just write your answer for the red channel.

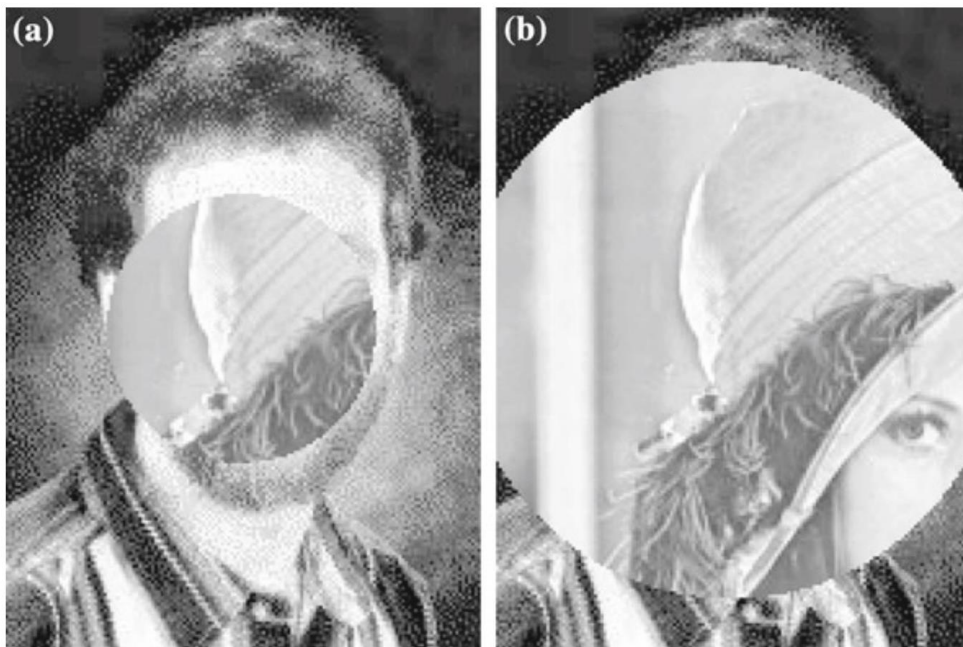（本题目只做第一个视频最后一张图片（诺贝尔.jpg）与第二个视频的第一张图片（lena.jpg）的切换。**必须使用本作业提供的图片，其他图片无效**）

Fig. 2.22 Iris wipe: **a** iris is opening; **b** at a later moment

第二题：

For the color LUT problem, try out the median-cut algorithm on a sample image. Explain briefly why it is that this algorithm, carried out on an image of red apples, puts more color gradation in the resulting 24-bit color image where it is needed, among the reds.

（**必须使用本作业提供的图片(redapple.jpg)，其他图片无效**）