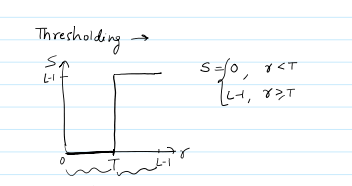
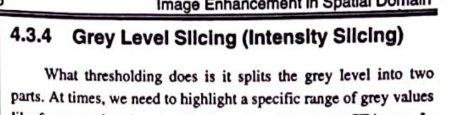
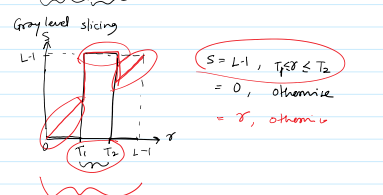


**thresholding** is the simplest method of [segmenting images](https://en.wikipedia.org/wiki/Image_segmentation).

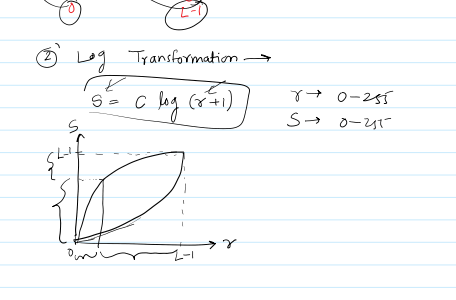
The process of *thresholding* involves, comparing each pixel value of the image (pixel intensity) to a specified threshold. This divides all the pixels of the input image into 2 groups:

1. Pixels having intensity value lower than threshold.
2. Pixels having intensity value greater than threshold.





Logarithmic transformation of an image is one of the gray level image transformations. Log transformation of an image means replacing all pixel values, present in the image, with its logarithmic values. Log transformation is used for image enhancement as it expands dark pixels of the image as compared to higher pixel values.



**Power-Law (Gamma) Transformation –**

Power-law (gamma) transformations can be mathematically expressed as . Gamma correction is important for displaying images on a screen correctly, to prevent bleaching or darkening of images when viewed from different types of monitors with different display settings. This is done because our eyes perceive images in a gamma-shaped curve, whereas cameras capture images in a linear fashion.

