영상처리 HW #1
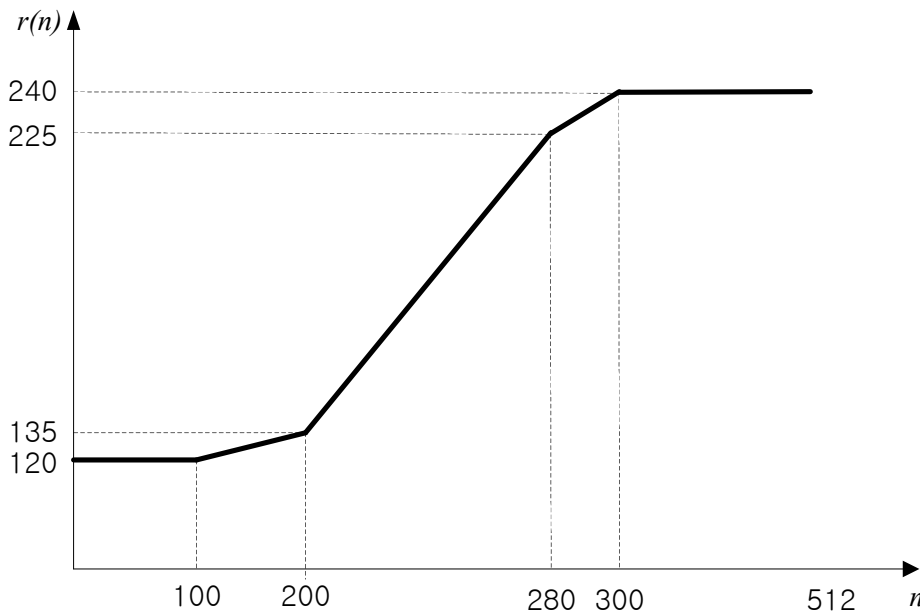
Due date: 4 April

1. Generate a 512x512 raw image, each row of which is a smooth ramp r(n) as shown in the figure below. Display the raw image on a PC monitor using Paint Shop Pro or other relevant image viewer such as Photoshop and designate the location of two Mach bands.

2. Using the raw image generated in the problem 1, generate a BMP (bitmap) image file which can be directly displayed on your PC monitor without executing Paint Shop Pro or Photoshop software.

3. Rotate the image obtained in number 1 90 degrees to the <u>clockwise</u> and store it properly in BMP format as you did in 2. Display the stored BMP image on your PC monitor.