

Homework 6

Yokoi Connectivity Number

- Downsampling Lena from 512x512 to 64x64: Binarize the benchmark image lena as in HW2, then using 8x8 blocks as a unit, take the topmost-left pixel as the downsampled data.
- Result of this assignment is a 64x64 matrix. Please **align** the matrix within 1 single A4 page (using 4-connected).
- Due date: 2018/11/13 2:20pm

6.2.5.1 Yokoi Connectivity Number (HW) due Nov. 21



<Hint>

1. Binarize the benchmark image Lena as in HW2 by 128
2. using 8x8 blocks as a unit, take the topmost-left pixel as the down-sampled data, Down-sample Lena from 512x512 to 64x64
3. Count the Yokoi connectivity number
4. Result of this assignment is a 64x64 matrix. Please **align** the matrix within 1 single A4 page (using 4-connected).

