8-Connected Component Alg

Algorithm steps:

step 0: read the image header
          dynamically allocate zeroFramedArray

step 1: load the input image onto zeroFramedArray

step 2: firstPass8Conn // algorithm taught in class
          - prettyprint the result // with caption
          - print eqArray   // with index up to newLabel with caption

step 3: secondPass8Conn // algorithm taught in class
          - prettyprint the result // with caption
          - print eqArray // with index up to newLabel with caption

step 4: manageEqArray // On your own
          - print eqArray // with index up to newLabel with caption

step 5: thirdPass8Conn // algorithm taught in class
          - prettyprint the result // with caption
          - print eqArray // with index up to newLabel with caption