Block diagram

preprocess

Make dir from images file(image_files)

Make cell from dir(feature_cell)

Fill cell with features(ave,hist,HOG,LBP,gradient)

Solve puzzle

Repeat 'for' loop for size of puzzle parts times .

In for loop we choose the best piece from remain pieces and put in the final picture

We choose the best piece based on mean of feature norms with one or two of previous pieces that have been chosen and put in 'ignore' array .

Show the final image in each loop