

Get starting index of the clusters:

- Any non-zero difference between reordered consecutive cluster labels, y(r\_ind, :), indicates a cluster boundary.
- Let array G has such indexes. C = G+1, contains the starting index of clusters on x-axis.

## Stage 2

Get **edges** =  $mst\_edges(C)$ , an array having the k-1 maximum MST edge links separating the k clusters. They are shown with green color in figure 4(d).

Let sorted array **a** has starting and ending index of clusters on x-axis. We begin with **a**=[1, n], considering the data as a single cluster. Obtain the ground truth for red pixels successively using steps in Algorithm 1.

## Stage 1

Ground truth for green pixels (i, i) are obtained from values 'i' in **C**.