OUTPUTS

- The value of Euclidian distances from the training samples are:

  Distance of crop001030c.bmp from positive mean is 6.305276

  Distance of crop001034b.bmp from positive mean is 5.953046

  Distance of crop001063b.bmp from positive mean is 6.892974

  Distance of crop001070a.bmp from positive mean is 6.519702

  Distance of crop001275b.bmp from positive mean is 6.471653

  Distance of crop001278a.bmp from positive mean is 6.870551

  Distance of crop001500b.bmp from positive mean is 7.121741

  Distance of crop001672b.bmp from positive mean is 6.366283

  Distance of person_and_bike_026a.bmp from positive mean is 6.684727

  Distance of person_and_bike_151a.bmp from positive mean is 6.985023

  Distance of 00000003a_cut.bmp from negative mean is 6.819218

  Distance of 00000057a_cut.bmp from negative mean is 6.850609

  Distance of 00000090a_cut.bmp from negative mean is 7.281807

  Distance of 00000091a_cut.bmp from negative mean is 7.263413

  Distance of 00000118a_cut.bmp from negative mean is 6.891013

  Distance of 01-03e_cut.bmp from negative mean is 7.018542

  Distance of no_person__no_bike_219_cut.bmp from negative mean is 6.332422

  Distance of no_person__no_bike_258_Cut.bmp from negative mean is 7.328343

  Distance of no_person__no_bike_259_cut.bmp from negative mean is 5.980665

  Distance of no_person__no_bike_264_cut.bmp from negative mean is 8.038696

- The initial W is a vector of 3780 values, each equal to 1.
- The value of learning rate alpha is taken as 0.5.

- Order of training samples is:

crop001030c.bmp

crop001034b.bmp

crop001063b.bmp

crop001070a.bmp

crop001275b.bmp

crop001278a.bmp

crop001500b.bmp

crop001672b.bmp

person_and_bike_026a.bmp

person_and_bike_151a.bmp

00000003a_cut.bmp

00000057a_cut.bmp

00000090a_cut.bmp

00000091a_cut.bmp

00000118a_cut.bmp

01-03e_cut.bmp
no_person__no_bike_219_cut.bmp
no_person__no_bike_258_Cut.bmp
no_person__no_bike_259_cut.bmp
no_person__no_bike_264_cut.bmp

- No of iterations through the training samples is 6.

- On classification, the program classifies all the negative images correctly that it cannot detect human in the images.
  On the other hand, out of the 5 positive test image, the program classifies 4 images out of 5 images that it can detect human in those images. The image that it failed to classify is 'crop_000010b.bmp'.