```
SVIII_SAVE_HOUGET( W , III)
a =m.nSV
c = m.sv_coef
p_label, p_acc, p_val = svm_predict(TransformY(y), x, m)
b = m.rho
w = (m.sv_coef* m.SV)
w_abs = math.sqrt(sum(w**2))
distance = abs((p_val) / (w_abs-b))
print("")
for i in range(2,7):
   VALUE = i
   prob = svm_problem(TransformY(y), x)
   param =svm_parameter('-s 0 -t 1 -c 10 -d 3 -g 1 -r 1')
   m = svm_train(prob,param)
   #Ein so use train data
   p_label, p_acc, p_val = svm_predict(TransformY(y), x, m)
print("")
C= [0.01,0.1,1,10,100]
for C in C:
   prob = svm_problem(TransformY(y), x)
   param =svm_parameter('-s 0 -t 2 -c {} -g 10 '.format(C))
   m = svm_train(prob,param)
   p_label, p_acc, p_val = svm_predict(TransformY(y_t), x_t, m)
print("")
gamma=[0.1,1,10,100,1000]
for r in gamma:
   VALUE =1
   prob = svm_problem(TransformY(y), x)
   param =svm_parameter('-s 0 -t 2 -c 0.1 -g {} '.format(r))
   m = svm_train(prob,param)
   p_label, p_acc, p_val = svm_predict(TransformY(y_t), x_t, m)
print("")
y = TransformY(y)
y, x = np.array(y), np.array(x)
\#y_t,x_t = np.array(y_t), np.array(x_t)
q16=[0]*5
for i in range(10):
   print('times: ',i)
   choice= np.random.choice(len(x), 200,False)
   nochoice= np.delete(np.array(np.arange(len(x))), choice)
   x_t1 = x[choice]
```