```
successfully convergent
The eta : 0.0001
The eps : 1e-05
The maxiter : 10000000
The weight is :  [-1.61131137e-01 -1.94361317e+00 -2.87785237e+00 -7.91784229e+00
  5.26421685e+00  4.73446114e+00 -6.51882635e+00  2.04145427e+00
  1.25838835e+00 -8.83316257e-01 -2.01323608e+00 -3.90291533e-01
 -2.83138668e+00 -2.28659096e-01  5.46890206e+00 -1.07127284e+00
 -1.25629777e+01  4.26159970e+00  6.72206620e+00  1.50093174e+00
  2.67901332e+00  7.12809371e-02  2.72206755e-01 -1.35692302e+00
 -3.15197981e-02 -1.01914706e+00  9.04016501e-04]
The norm of weight is 21.23271465564681
The acccurancy for the training data is:  0.7129972130732202
The acccurancy for the test data is:  0.7129972130732202
```

When ETA = 0.00001 EPS = 0.000001 MAXITER = 10000000

```
success
The weight is :  [-5.21548852e-02 -1.92460739e-01 -2.50448116e-01 -8.37770233e-01
  5.84528325e-01  5.22312201e-01 -6.79194030e-01  2.02648950e-01
  3.12469144e-02 -6.51504383e-02 -3.06498723e-01 -2.97151280e-02
 -3.13295358e-01 -2.34488995e-02  5.78531915e-01 -1.02433038e-01
 -1.35097498e+00  4.59892251e-01  8.91364050e-01  1.14710130e-01
  2.04550197e-01 -2.29459129e-03  1.78457174e-02 -1.34414010e-01
  4.15932374e-04 -5.90571843e-02  8.17791217e-03]
The norm of weight is 2.318026957884697
The acccurancy for the training data is:  0.6256903977704585
The acccurancy for the test data is:  0.6256903977704585
success
The weight is :  [-2.85440371e-02 -2.01147710e-01 -2.09275704e-01 -8.31190268e-01
  5.28098083e-01  5.04638875e-01 -6.47617189e-01  2.14470668e-01
  1.15475077e-01 -7.08000128e-02 -2.83436207e-01 -3.94748152e-02
 -2.88439813e-01 -1.48899027e-02  5.26345825e-01 -1.06440580e-01
 -1.37121948e+00  4.51241274e-01  9.19695341e-01  1.06301285e-01
  2.41888478e-01  5.30978191e-04  2.33353724e-02 -1.37535814e-01
  4.57705959e-03 -1.01595483e-01 -4.96100284e-03]
The norm of weight is 2.297013680547542
The acccurancy for the training data is:  0.7247529769445148
The acccurancy for the test data is:  0.7247529769445148
```

The norm is almost the same, and error seems have some difference but it is tolerent. What's more, 0.73 is almost the best accurancy for eta = 0.00001.

```
successfully convergent
The eta : 1e-06
The eps : 1e-05
The maxiter : 10000000
The weight is :  [-5.51918999e-03 -1.02442038e-01 -9.93721155e-02 -4.07704817e-01
  2.55085038e-01  2.40340479e-01 -3.36187791e-01  1.14235460e-01
  5.41958603e-02 -5.47941352e-02 -1.29509085e-01 -1.74510970e-02
 -1.36084483e-01 -8.61799215e-03  2.82936661e-01 -5.24405742e-02
 -6.37294221e-01  2.17230589e-01  3.73500372e-01  6.39757116e-02
  6.99094097e-02  3.46867168e-03  4.62472960e-03 -6.86811340e-02
 -2.77629097e-04  1.29914890e-02  2.46304495e-04]
The norm of weight is 1.0801273771410043
The acccurancy for the training data is:  0.7361033696478338
The acccurancy for the test data is:  0.7361033696478338
```

I got the approximat 0.74 accurancy.