```
1 package teste;
 2
3 import java.io.FileNotFoundException;
 4 import java.io.PrintWriter;
 5 import java.io.UnsupportedEncodingException;
6
7 import classes.MLP3;
8
9 /**
10
   * created by lgcaobianco on 2018-05-20
11
12
13 public class TreinarMLP {
14
       public static void main(String[] args) throws
   FileNotFoundException, UnsupportedEncodingException {
           MLP3 mlp = new MLP3(4, 10);
15
16
           double epsilon = 0.5 * Math.pow(10, -6);
17
           int contadorEpocas = 0;
           double erroAnterior = 20;
18
19
           double erroAtual = 1;
20
           PrintWriter writer = new PrintWriter(
21
                    "/home/lgcaobianco/repositorios/epc-rna/
   epc6/src/base/eqm.csv", "UTF-8");
22
           while (Math.abs(erroAtual - erroAnterior) >
   epsilon) {
23
               for (int i = 0; i < mlp.getMatrizInputs().size</pre>
   (); i++) {
24
                   mlp.forwardPropagation(i);
25
                   mlp.backwardPropagation(i);
26
                   mlp.forwardPropagation(i);
27
28
29
               erroAnterior = erroAtual;
               erroAtual = mlp.calcularEm();
30
31
               writer.println(contadorEpocas+","+Math.abs(
   erroAtual-erroAnterior));
32
               contadorEpocas++;
33
34
           System.out.println(contadorEpocas);
35
           writer.close();
36
           mlp.imprimirQualquer(mlp.getW1());
37
38
           mlp.imprimirQualquer(mlp.getW2());
39
40
           for(int i=99; i<120; i++) {
41
               mlp.obterNovaAmostra(i):
42
           }
43
44
45
       }
```