**MODEL 3 Overview**

For the distribution of the report of the attempt times of a word, we divide the factors which are affecting it into three types: letter frequency, word frequency and letter repetition times, a total of seven parameters (the letter frequency of each letter should be taken into account), and the target output results are also seven (1,2,3,4,5,6,X). On this basis, we set up BP neural network, optimized by error feedback, and predict the distribution of future report results.