

Coding Platform

- Operating System : Mac OSX
- Compiler : g++ version 8.0.0.0

Content

- forward_algorithm() : Calculate $\alpha_i(t)$
- backward_algorithm() : Calculate $\beta_i(t)$
- gamma_algorithm() : Calculate $\gamma_i(t)$
- epsilon_algorithm() : Calculate $\varepsilon_t(i, j)$

Program Execution

- ./train 1000 model_init.txt seq_model_01.txt model_01.txt
- ./train 1000 model_init.txt seq_model_02.txt model_02.txt
- ./train 1000 model_init.txt seq_model_03.txt model_03.txt
- ./train 1000 model_init.txt seq_model_04.txt model_04.txt
- ./train 1000 model_init.txt seq_model_05.txt model_05.txt
- ./test modellist.txt testing_data1.txt result1.txt
- ./test modellist.txt testing_data2.txt result2.txt
- ./acc

Result

- | | |
|--------------------|---------------------|
| • Iteration : 1 | Accuracy : 0.766000 |
| • Iteration : 100 | Accuracy : 0.810000 |
| • Iteration : 250 | Accuracy : 0.848400 |
| • Iteration : 500 | Accuracy : 0.856000 |
| • Iteration : 750 | Accuracy : 0.867600 |
| • Iteration : 1000 | Accuracy : 0.869600 |

