EX2 – NLP

1. The state sequence that gave highest probability for sequence ACCGTGCA is:

LHHHLHHL.

See Viterbi algorithm implementation in code: NucleotideHMM.

(got tired of working the math by hand...)

1. Four-gram, No Input Sequence Viterbi implementation:

For each tag , find MLE word , that is:

Define dynamic programming table

Initialization:

Algorithm:

Return:

And keep track of path in table using pointers.