## Running time of increasing denseness baumWelch forward backward\_time 1.4 -0.45 -0.33 -0.40 -1.3 -0.35 -0.30 -1.2 -0.30 -0.27 mean time [s] variant 0.50 0.50 0.00 1.00 0.75 0.00 0.25 0.00 0.25 0.75 1.00 0.75 0.25 0.50 1.00 BLAS Conventional posteriorDecoding viterbi 0.8 -CSR 0.3 -0.7 -0.6 -0.2 -0.5 -0.4 -0.1 -0.3 -

0.75

0.50

denseness

1.00

0.25

0.00

0.75

1.00

0.25

0.00

0.50

error bars: standard deviation of 5 replicates input size: 90000, alphabet size: 4, hidden states: 16