Assignment 2 (Part B)
Akshay Kumar Gupta (2013CS50275)

1. The CpG islands calculated for the test file are:

4075	5678
6343	6755
7340	7544
8161	8418
31893	32279
41518	41883
47627	48242
49232	49400
53230	54102

2. Connection between Viterbi and Max-Product-VE:

The Viterbi algorithm is just a special case of Max-Product-VE which works for HMMs. The marginal beliefs computed by the Max-Product-VE algorithm for the node Xt is equal to the dynamic programming entry calculated at time t in Viterbi.