Input:

ACGTTTTACCATATACACAGGCACACACAAACCCAAAACATATTATAATAC
ACGAGGTGTGAGTGAGAGATGGAGACACCGGATTGAGAAGCCCCAAC
CACGGGCTGTGAGTGAGAGATGGAGATTTTTAGTTGATATAATATACAAC
ACGTCTCTCATATACACACACACACACCACAGCAACAAGTGCTTATAATA

Output of initial step:

ACG**TTTTAC**CATATACACAGGCACACACAAACCCAAAACATATTATAATAC
ACGAGGTGTGAG**TGAGAG**ATGGAGACACCGGATTGAGAAGCCCCAAC
CACGGGCTG**TGAGTG**AGAGATGGAGATTTTTAGTTGATATAATATACAAC
ACGTCTCTCATATACACACACACACACCACAGCAACA**AGTGCT**TATAATA