Order 0

Answer: -197688.94757657658

Time : 0.17 s

Memory : 16384 bytes

Order 1

Answer: -193209.3579269481

Time : 0.09 s

Memory : 16384 bytes

Order 2

Answer: -192094.7665926948

Time : 0.17 s

Memory : 196608 bytes

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Init value:

state =("1","2")

start\_probability={"1":np.log2(0.8),"2":np.log2(0.2)}

transition\_probability={

    "1":{"1":np.log2(0.6), "2":np.log2(0.4)},

    "2":{"1":np.log2(0.4),"2":np.log2(0.6)},

}

emission\_probability = {

    "1":{"a":np.log2(0.32),"t":np.log2(0.27),"c":np.log2(0.21),"g":np.log2(0.20)},

    "2":{"a":np.log2(0.4),"t":np.log2(0.4),"c":np.log2(0.1),"g":np.log2(0.1)},

}

Result : -264570.96102874895

Time:0.86

Memory: 1310720