**PROJECT 1 REPORT**

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**Answer to Questions from Sec. 1.9**

**NM**(number of times the Metropolis Algorithm is called by each thread) is **100**.

**Nf** (number multiplied by ***n*** to acquire desired relative error of 0.02 or less) is **6**.

Other variables:

NT = 1000

n = 100

B = 0

C = -1

T = 1.9

**Solved Challenges: #1, #2**

Answer 1:

B = 1.0

C = -2.0

*(I know you said to plot numbers between 0.01 to 0.91 with intervals of +.05 but for these values of B and C you cannot see the difference)*

Answer 2:

B = 0.1

C = 6.38378239159465E-16

*(Again, the values of T are exaggerated from 0 to 20 to show that the graph represents the correct data)*