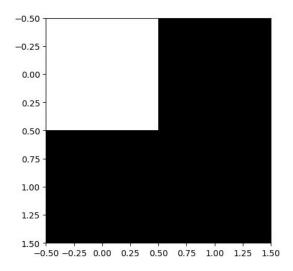
Classical Simulation

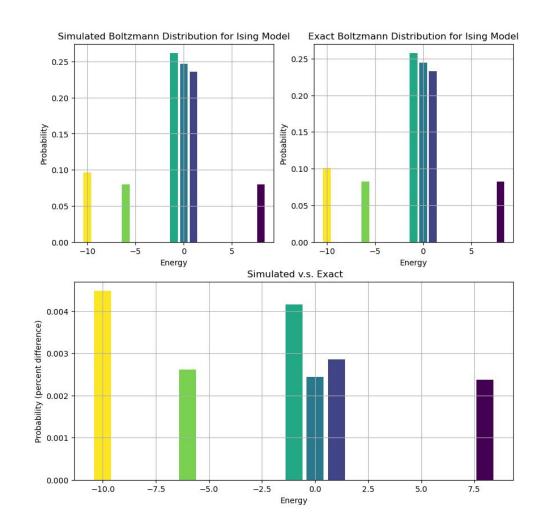
2D Ising model (part 1)

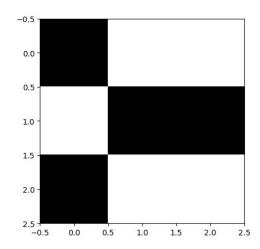
Zihang Wang 11/10/2023



Exact Elapsed Time: 0.0453 seconds

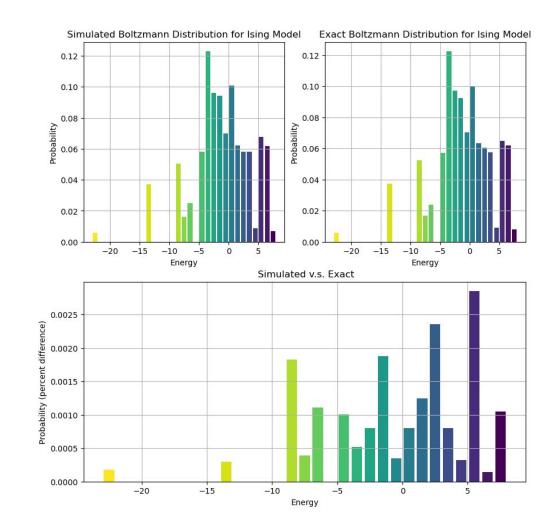
MC Elapsed Time: 0.8785 seconds

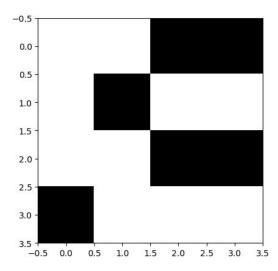




Exact Elapsed Time: 0.0585 seconds

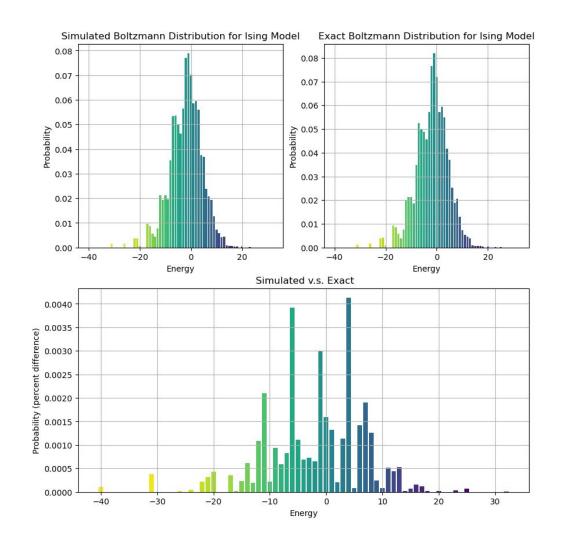
MC Elapsed Time: 1.6032 seconds

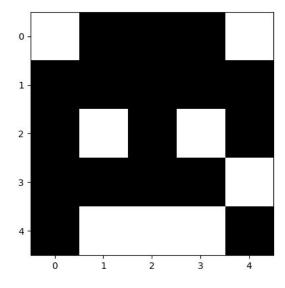




Exact Elapsed Time: 1.4184 seconds

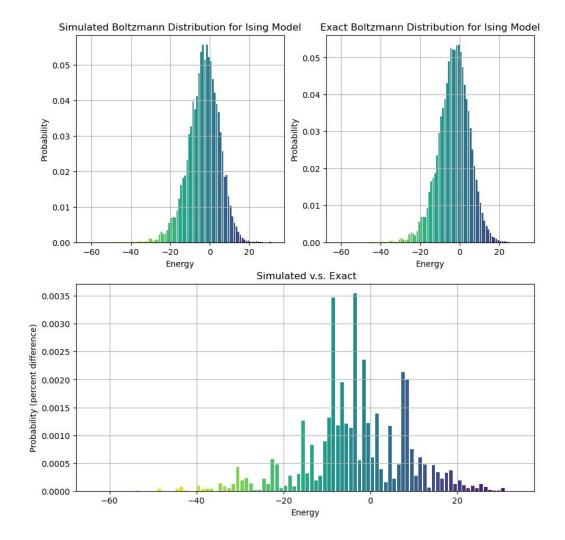
MC Elapsed Time: 2.7794 seconds



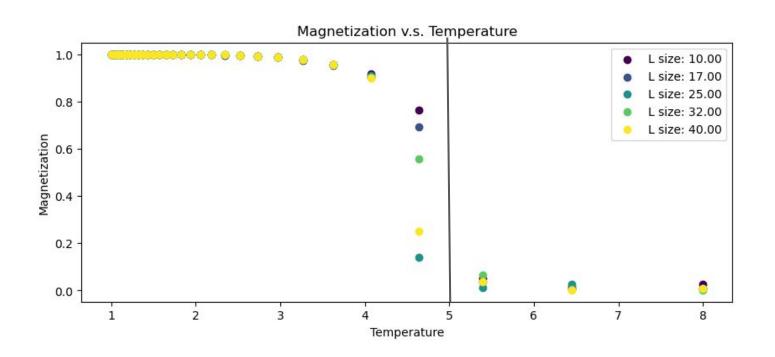


Exact Elapsed Time: 1260.5645 seconds

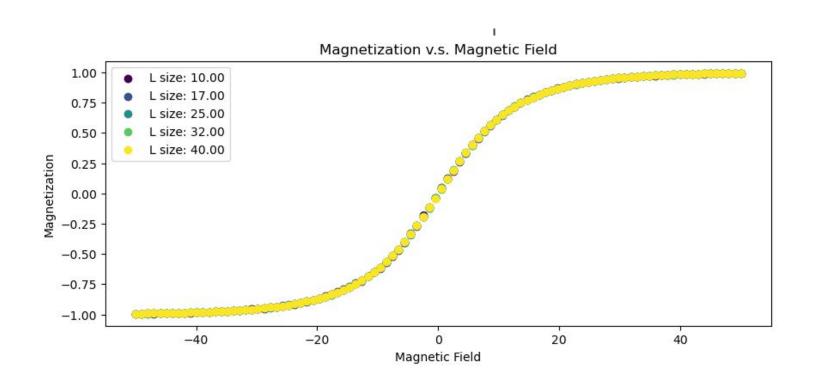
MC Elapsed Time: 4.4076 seconds



Lattice Size v.s. Magnetization (Temperature)



Lattice Size v.s. Magnetization (Magnetic Field)



Specific Heat and Magnetic Susceptibility (Temperature)

