After attending Professor Wong’s lecture on Quantum Annealing, I recognize quite a lot terms that I have never been heard before like Spin Glasses, Tunneling and Hamiltonian etc. I am impressed by the idea that optimization problem could be solved more efficiently by making use of the wave property of atomic particles to “dig a tunnel” instead of “climb a hill”. Besides, I am also impressed that the probabilistic nature of quantum physics being used to realize computation in classical computers. As a layman to the subject, the most important message I get from the lecture is that although the idea of solving problem in a quantum way is revolutionary, there are still many hurdles and difficulties for scientists to tackle before this technology become mature. But I believe that once the hurdles are overcome, many problems that cannot be solved nowadays will have eventually have a solution.