1. Free Energy Simulations I
   1. Statistical Weight
   2. Partition Function
      1. Case 1:
   3. Graphing deltaG
      1. As the deltaH increases, the slope becomes steeper
2. As deltaH increases, changes between the states becomes more rapi
3. Case 3 has the strangest graph, it has a curve. As the deltaCp increases, the DeltaG and temperature no longer have a linear relationship.
4. The probability of oberseving the unfolded probability does not hchange as the cepdtaC increases. The graphs of all 3 cases barely change.