Tips for HW22

1. You need to work backwards to start this problem.
   * You start out knowing two independent, intensive variables at State 2s (ideal state 2). Once you have identified that state you can solve for State 1 (both the real and ideal state 1).
   * You will want to use an array table in EES for the real states. However, you can choose to have the ideal State 2 in the array table, or define h\_2s outside the table.
2. Model real and ideal compressor states. Same inlet state, but different outlet states.
   * What are the two independent, intensive variables for the real State 2?
   * What are the two independent, intensive variables for the ideal State 2?
   * To add the processes to a T-s diagram, you will need both the real and ideal states to be in an array table.