Worksheet #10: RecursiveAction Computation Graph

Name: _____   Net ID: _____

1) Consider the compute method on slide 7. Let us suppose we supply it with an 8 element array with values [0,1,2,3,4,5,6,7] and THRESHOLD value of 2. Draw a computation graph corresponding to a call to `compute` with the appropriate fork and join edges.

2) Define each direct (sequential) computation as 2 units of work and each recursive subdivision as one unit of work.

      What is the total work?

      What is the critical path length?