Worksheet #13: RecursiveAction Computation Graph

Name: _____   Netid: _____

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.

2) Define each direct 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?