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?