This thread is part of the proposed schedule for study for the first exam. Discuss the practice problems here.
View questions here: http://beastie.cs.ua.edu/concepts/cs/al/recurrences.html
This thread covers questions 1-35 of recurrences.

Work together on the proposed answers to questions on this shared Google Doc (comment reasoning/arguments behind answers)

Upcoming topics (threads start two days in advance): Recurrences 36-70, Feb 11 | SB trees 1-26, Feb 12 | SB trees 26-52, Feb 13 | Recurrences 71-105, Feb 14
Full schedule

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Subject: Re: Concept Review: Recurrences (Part 1)
Posted by davidmccoy on Thu, 09 Feb 2017 19:46:25 GMT

Quote:1. Stooge sort has the following algorithm. Recursively sort the lower two-thirds of an array, then recursively sort the upper two-thirds, then recursively sort the lower two-thirds again. The recursion stops when the array consists of two or fewer elements. If the array size is two, the elements are swapped if necessary. Which of the following recurrence equations describe stooge sort?

There are 3 recursive calls, each call operates on 2/3 of the array, and there's no work done to combine the results of each recursive step. Help?