Today: Catch-up and review.
Next class: Midterm Exam 1 (in class).
Reminders: Homework. Newsgroup. Reading. Coding. Practice. Don't fall behind.

1. List the members of your group below. Underline your name.

2. Let $T(n)$ denote the running time of the method `churn` in the following Java code
   fragment, as a function of n. Express $T(n)$ as a recurrence equation and explain
   briefly why it is correct.

```
1       public static int churn(int n) {
2           int s = 0;
3           for(int i = 0; i < n/2; i++) s += i;
4           if (n > 2) s += churn(n/3);
5           return s;
6       }
```

3. Solve the recurrence of Question 2 using the *recurrence tree* method.

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4. Solve the recurrence of Question 2 using the *substitution* method.

5. Solve the recurrence of Question 2 using the *master theorem* method.