

*eeCS*281

DATA STRUCTURES AND ALGORITHMS

Discussion slides for week of September 25, 2007

The University of Michigan

Outline

- Recurrence relations
- Recursive functions
- HW2
- Unit testing
- Refactoring
- Pair Programming
- ***Extreme Programming***

Recurrence relations

- Recurrence relations are those that are defined in terms of themselves.

$$S(0) = 0$$

$$S(n) = n + S(n - 1)$$

- What does the above function do?
- How about a closed form?