Recursion 2

3-2-2011

Opening Discussion

- Minute essays responses:

    - Is there an easy way to visualize the maze recursion?

    - Courses you should take next semester.

Formula Parsing

- Another one of my favorite recursive algorithms is formula parsing. This allows us to have the user type in a function and our code can evaluate it.

- We do this through "divide and conquer". We split the formula in two across the lowest precedence operator then recursively evaluate the two halves.

- We can use this to put function plotting into our program if we give it the ability to handle a variable.

Minute Essay

- Questions?

- Have you ever dealt with binary trees?