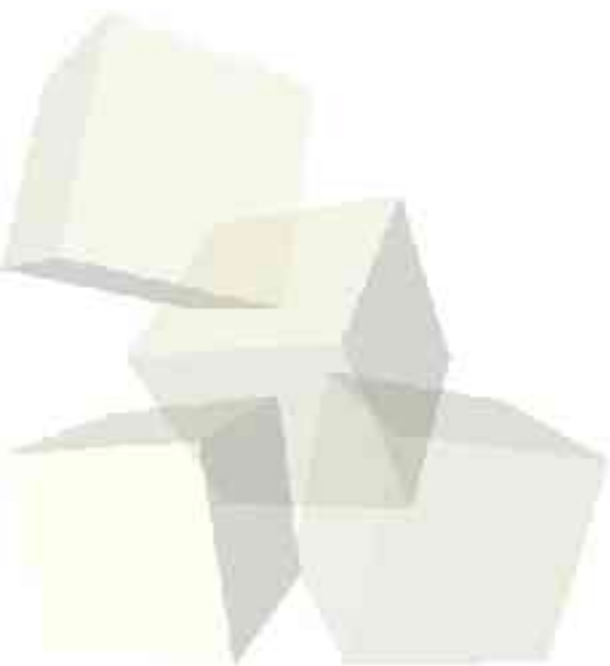




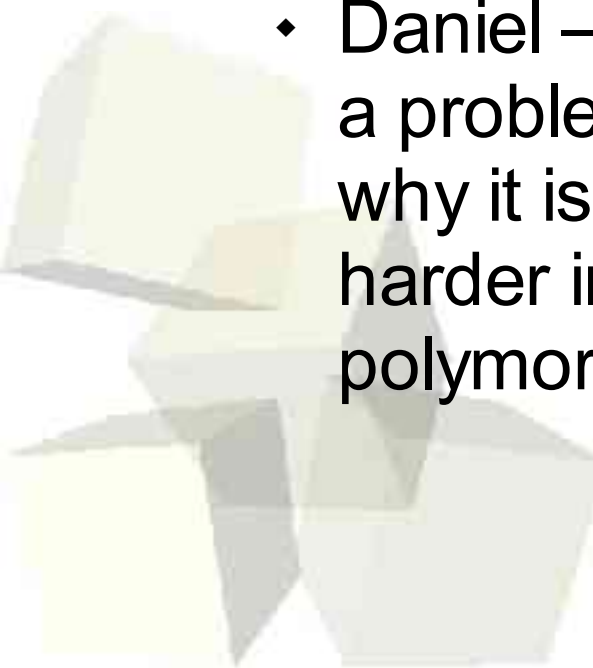
Basics of Subprograms

10-7-2004





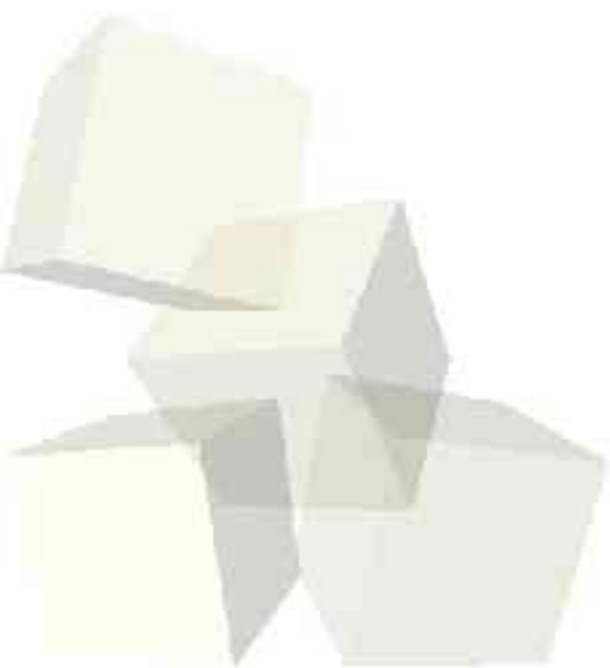
Opening Discussion

- Let's do the last three sheets of questions from last class.
 - All the project ideas look good.
 - ♦ Tom – whether you go into C# will depend on how much material you can get in the Java parts.
 - ♦ Daniel – while reading yours I realized how difficult a problem it is. Your analysis might simply show why it isn't being done. I would note that it is even harder in languages with significant polymorphism.
- 



Discussion Questions

- Let's go over your discussion questions for today.





Significant Concepts

- Basics
- Design issues
- Local referencing environment
- Parameter-passing methods
 - ◆ Pass-by-value
 - ◆ Pass-by-result
 - ◆ Pass-by-value-result
 - ◆ Pass-by-reference
 - ◆ Pass-by-name
 - ◆ Type-checking
 - ◆ Implementations
 - ◆ Multi-dimensional arrays