

MASSACHUSETTS INSTITUTE OF TECHNOLOGY
Department of Electrical Engineering and Computer Science
6.001—Structure and Interpretation of Computer Programs
Spring 2004

Recitation 3
Recursion

Scheme

1. Special Forms

(a) *cond* - (**cond** *clause clause ...*)

Each clause is either (*test consequent*) or (**else** *alternative*). Tests each clause in order and if the test evaluates to not false, evaluates the consequent.

Problems

1. Write a procedure **fact** that computes the factorial of a number **n**.

Plan:

2. Write a procedure **remainder** that computes the remainder of **num** divided by **divisor**.

Plan:

3. Write a procedure that computes *e*.

Plan:

