CIS 525 Software Development of Parallel and Distributed Systems Fall 2008

Lecture 17: Tuesday, October 28, 2008

1. Reductions in Petri nets:

a) six rules of reduction for P/T nets
b) example showing application of reduction rules.

2. Characterization of the free-choice Nets:

a) Characterization of state machines
b) Characterization of the marked graphs
c) Characterization of free-choice nets
d) Examples of nets in support of these classes of models.

3. Homework #3 – distributed and discussed.

Lecture 18: Thursday, October 30, 2008

1. Hierarchical Colored Petri nets:

a) Hierarchical substitution of transition – HS – notation and semantics
b) Other hierarchical operations on transitions
c) Place fusion
d) Example of an assembly line manufacturing system with several hierarchy constructs
e) Example of a phone system from user perspective with hierarchy constructs – single area and multi-area phone system; representation of special numbers