AI93a Mid-term information

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2004.11.12
Midterm format

• **Date:** 11/19/2004 from 10:15 am – 12:00 am
  – *The first 5 minutes will be explanation about the content of the exam.*

• **Location:** **EC016**

• **Credits:** 25% of overall grade

• **Approx. 5 problems, several questions in each.**

• **Material:** everything so far (or, up to Sec. 8.3).

• **No books** (or other material) are allowed.

• **Duration will be 100 minutes.**
Question 1 – problems with short answer

- Problem 1-1: Forward search vs. backward search. Please explain with your example.
- Problem 1-2: Translate the following English sentences to FOL. ...
- Problem 1-3: Please explain the phrase "Truth depends on interpretation." by showing with an example.
Question Type 2: multiple-choices

- Please choose the topics that are candidates for the midterm exam?
  
  (a) Informed search
  (b) Logical programming
  (c) Constraint Searching Program
  (d) Decision making under uncertainty
  (e) Probability Reasoning System

Answer: (a), (c)
Question Type 3- Matching

- Here are a few things that are related to NCTU and NTHU, please match the correct ones to each of them.
  (a) http://www.nctu.edu.tw
  (b) http://www.ust.edu.tw
  (c) IPv4 address range, 140.114.**.*
  (d) The current administrator of TANet Hsinchu-Miaoli regional center
  (e) The university with the largest number of students in Taiwan

Answer: <NCTU, {(a), (b), (d)}>, <NTHU, {(b),(c)}>
Question type 4 – calculation or inference (with much more detailed involved)

• Problem 4-1: Please find an optimal solution to go from NCTU to the Hsinchu Railway Station. Here is the related information ...
  – the most economic way (e.g., less money)
  – the most efficient way (e.g., less time)
  ...