Institut for Matematik og Datalogi
Syddansk Universitet

May 13, 2004
JFB

On-Line Algorithms – F04 – Lecture 15

Lecture, May 12

We finished chapter 12 and begin on section 13.5, covering up through Theorem 13.6.

Lecture, May 19

We will cover up through Theorem 13.9 of section 13.5 and cover Classical Bin Packing from the the first article on the relative worst order ratio (on the Web page for the course).

Announcement

Remember to sign up for the exam in IMADA's sekretariat.

Repeat announcement

> IMADA orienteringsmøde for alle studerende i datalogi og matematik tirsdag d. 18. maj kl 16.15 i lokale U53
>
> Program:
>
> 16.15-16.30 Generel information om speciale-/bachelorstudier, herunder nye regler vedr tilmelding til bachelorprojekter.
>
> 16.30-17.45 Orientering om planlagte valgfri kurser i matematik og datalogi samt om mulige speciale- og bachelorprojekter. Endvidere eventuelle "ønsker" fra de studerende.
>
> 17.45-19.30: Gratis forfriskning: Pizza, øl og sodavand.
>
> Studieudvalget ved IMADA

Problems for Wednesday, May 26 - Note: not Monday

1. Exercise 13.9.
2. Exercise 13.10 – Just do the first part, ignoring everything after "Hence".
3. Exercise 13.11.
4. Consider the following "unfair" algorithm for dual bin packing: For every item, place it exactly as First-Fit would, unless the item has size at least 1/2 and First-Fit would place it in the last bin. Analyze this algorithm using the relative worst order ratio and the competitive ratio.