Institut for Matematik og Datalogi
Syddansk Universitet

May 6, 2004
JFB

On-Line Algorithms – F04 – Lecture 14

Lecture, May 5

We covered section 12.2 of chapter 12.

Lecture, May 12

We will finish chapter 12 and begin on section 13.5.

Lecture, May 19

We will finish section 13.5 and cover the first article on the relative worst order ratio (on the Web page for the course).

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 Monday, May 17

1. Prove Corollary 12.8.

2. Exercise 12.5.

3. Exercise 12.10.

4. Prove that the Next-Fit algorithm for Classical Bin Packing has competitive ratio 2. The Next-Fit algorithm maintains one open bit. If an item fits in that bin, it is put there. Otherwise, that bin is closed and a new, empty bin is opened and the item is put there.