Institut for Matematik og Datalogi
Syddansk Universitet

May 19, 2005
JFB

On-Line Algorithms – F05 – Lecture 15

Lecture, May 17

We finished through section 12.3 of chapter 12.

Lecture, May 24

We will cover the Robin-Hood Algorithm from section 12.4, cover section 13.5.1 and finish up through Theorem 13.9 of section 13.5. We will also cover part of 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
torsdag d. 26. maj kl. 16.15 i lokale U49

Program

16:15. Generel information om speciale-/bachelorstudiet. Desuden orientering om den forestående studiereform; specielt mhp. instruktor-ansættelser.

16:45. Orientering om planlagte valgfri kurser i matematik og datalogi samt om mulige speciale- og bachelorprojekter. Endvidere eventuelle "ønsker" fra de studerende

18:00. Gratis forfriskning: Pizza, øl og sodavand.

Problems for May 30

1. Exercise 12.10.

2. Prove that the Next-Fit algorithm for Classical Bin Packing has competitive ratio 2. The Next-Fit algorithm maintains one open bin. 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.

3. Exercise 13.9.

4. Exercise 13.10 – Just do the first part, ignoring everything after "Hence".

5. Exercise 13.11.