

CS483 - Practice Problems (due November 3rd)
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Chapter 6

- (0) Read solved exercise 1 in the book
- (10) Problem 1
- (10) Problem 4
- (5) Compute the optimal solution to the following instance of the Knapsack problem and show the nW table where you computed the solution to the smaller sub-problems. Item 1 (\$50, 5 lbs), item 2 (\$60, 10 lbs) and item 3 (\$140, 20 lbs), with the total knapsack weight $W = 30$ lbs.
- (3) What is the solution to the fractional Knapsack problem ?
- (not for grade) 2,3, 6 are also good practice problems.