

151-0563-00 **Dynamic Programming and Optimal Control** (Fall 2008)**Problem Set #1****Topic: The Dynamic Programming Algorithm**

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1. BERTSEKAS, p. 51, exercise 1.1 a, c
2. BERTSEKAS, p. 52, exercise 1.3
3. BERTSEKAS, p. 53, exercise 1.6
4. BERTSEKAS, p. 53, exercise 1.7
5. BERTSEKAS, p. 54, exercise 1.8
6. BERTSEKAS, p. 59, exercise 1.22

All exercises are taken from the book *Dynamic Programming and Optimal Control* by Dimitri P. Bertsekas, Vol. I, 3rd edition, 2005, 558 pages, hardcover.