Q5. Knapsack Problem. Given a set of items, each with a weight and a value, the objective is to determine the items to include in a collection so that the total weight is less than or equal to a given limit and the total value is as large as possible.

Write an OPL model for this problem. Use Q5.dat file for the input.
(Your model should print the total value in first line and the items picked in second).
(Choose your variables wisely.)