

## Lesson 8: Exercises

### 8.1 For the unidimensional 01 knapsack problem,

$$z = \max \{ px \mid wx \leq c, x \in \{0, 1\}^n \}$$

define a structure `kpDat` and `kpSol` collecting respectively the values  $(p, w, W)$  of a numerical instance and the values  $(x, z, \text{status})$  of a solution.

Entrée [ ]:

### 8.2 Adapt the code produced for the exercise 7.1 in using the two structures.

Entrée [ ]: