Foundations of Constraint Programming
Additional Tutorial 3 (on November 23rd)

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Extra Exercise 3.3:
Formulate the 2D-BinPacking Problem as constraint optimization problem. N rectangular items each with a (probably different) given height and width have to be packed into rectangular bins all of the same size $W \times H$. It can be assumed that the items are sorted according to non-increasing height. The goal is to minimize the number of bins needed to pack all items (the natural upper bound threrefore is N – each item into one bin).