The files in this folder comprise 30 classic unweighted and weighted test cases for the Constrained Two-dimensional Guillotine Cutting Problem, which were used in Morabito and Pureza (2009)’s paper “A heuristic approach based on dynamic programming and and/or-graph search for the constrained two-dimensional guillotine cutting problem” (*Annals of Operations Research*, doi: 10.1007/s10479-008-0457-4, 2009)

The instances were organized into five subfolders: “chris” (three weighted test cases proposed by Christofides and Whitlock (1977)), “of” (two unweighted test cases proposed by Oliveira and Ferreira (1990)), “wang” (three unweighted test cases proposed by Wang (1983)), “cu” (eleven unweighted test cases proposed by Fayard, Hifi and Zissimopoulos (1998)), and “cw” (eleven weighted test cases proposed by Fayard, Hifi and Zissimopoulos (1998)).

The following parameters are required for instance specification:

* Plate dimensions (*L*,*W*).
* Number of item types *n*.
* Item length *li* and width *wi*.
* Item demand *bi*.
* Item value *vi*.

For each instance file, the data is given as:

< *n* > < *L* > < *W* >

followed by *n* lines providing:

< *vi* > < *li*,> < *wi* > < *bi* >