Data set BLAZ1 and BLAZ2

Instance	Number of different pieces	Total number of pieces	Vertices by piece (average)	Feasible orientations (degrees)	Plate width	Pieces
BLAZ1	7	28	6.29	0 and 180	15	Piece 1 to 7
BLAZ2	4	20	7.5	0 and 180	15	Piece 1 to 4

```
PIECE 1
QUANTITY
4
NUMBER OF VERTICES
6
VERTICES (X,Y)
 0   0
 2  -1
 4   0
 4   3
 2   4
 0   3

PIECE 2
QUANTITY
4
NUMBER OF VERTICES
8
VERTICES (X,Y)
 0   0
 3   0
 2   2
 3   4
 3   5
 1   5
-1   3
-1   1

PIECE 3
QUANTITY
4
NUMBER OF VERTICES
8
VERTICES (X,Y)
 0   0
 2   0
 3   1
 3   3
 2   4
 0   4
-1   3
-1   1

PIECE 4
QUANTITY
4
NUMBER OF VERTICES
8
VERTICES (X,Y)
 0   0
 2   1
 4   0
 3   2
 4   5
 2   4
 0   5
 1   3

PIECE 5
QUANTITY
4
NUMBER OF VERTICES
7
VERTICES (X,Y)
 0   0
 5   0
 5   5
 4   5
 3   3
 2   2
 0   1

PIECE 6
QUANTITY
4
NUMBER OF VERTICES
3
VERTICES (X,Y)
 0   0
 2   3
-2   3

PIECE 7
QUANTITY
4
NUMBER OF VERTICES
4
VERTICES (X,Y)
 0   0
 2   0
 2   2
 0   2
```

References

Oliveira, J.F., Gomes, A.M. and Ferreira, J.S., A new constructive algorithm for nesting prolems, OR Spektrum (2000) 22: 263-284.

Blazewicz, J., Hawryluk, P, Walkowiak, R (1993), Using a tabu search approach for solving the two-dimensional irregular citting problem. In: Glover F, Laguna M, Taillard E, de Werra (eds) Tabu Search. Annals of Operations Research 41:313-325.

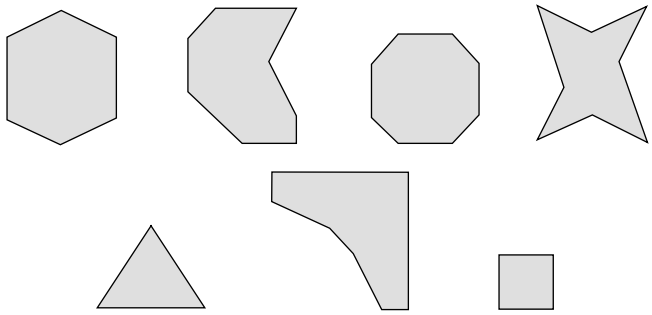

Figure 1: Data set: BLAZ1 and BLAZ2