${\bf ClassName:}\ {\bf Class_08.2bp\text{-}19}$

BinSize: $\underline{100 \times 100}$ ReduceSize: $\underline{100 \times 100}$

TypeNum: <u>40</u> Num: <u>40</u> OutS: <u>130000</u> InS: <u>105358</u> Rate: <u>0.810</u> UB: <u>13</u> LB0: <u>13</u>

 $\begin{array}{c} \overline{\text{LBWithCut: } \mathbf{13}} \\ \text{NodeCut: } \mathbf{0} \end{array}$

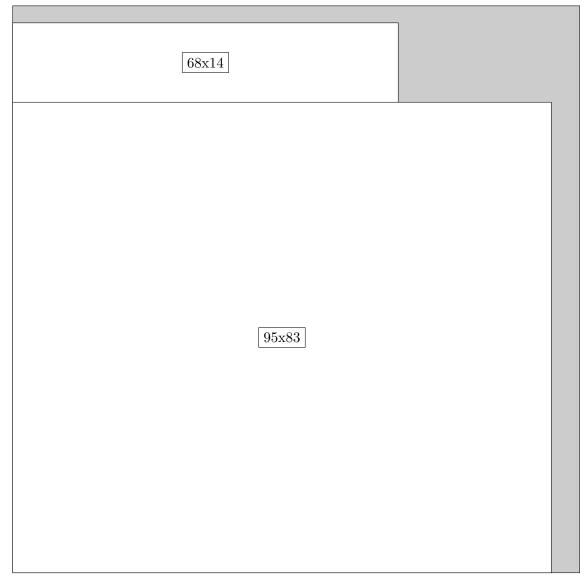
LB: **13**

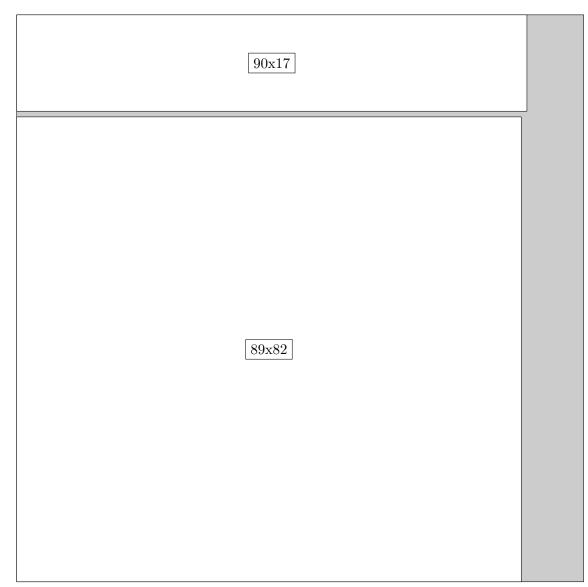
 $\operatorname{ExtendedNodeCnt}$: $\underline{\mathbf{1}}$

GenNodeCnt: 1
PrimalNode: 0
ColumnCount: 13
TotalCutCount: 0
RootCutCount: 0
LPSolverCnt: 1
PricingSolverCnt: 0
BranchAndBoundNum: 1

isOpt: $\underline{\mathbf{true}}$

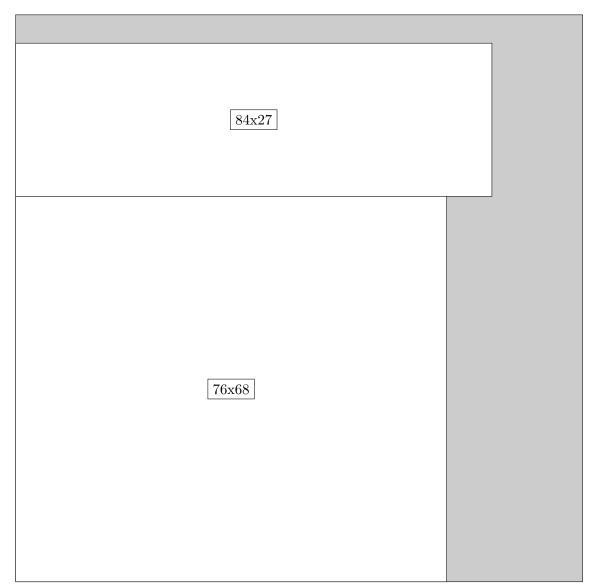
TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.078 sTotalTime: 0.125 s

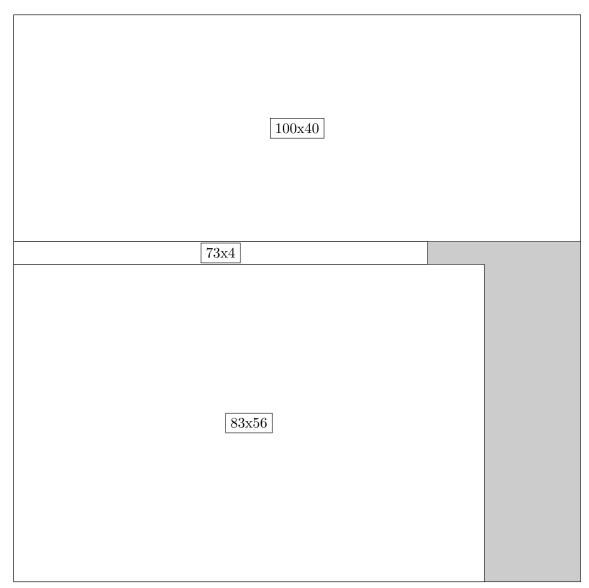




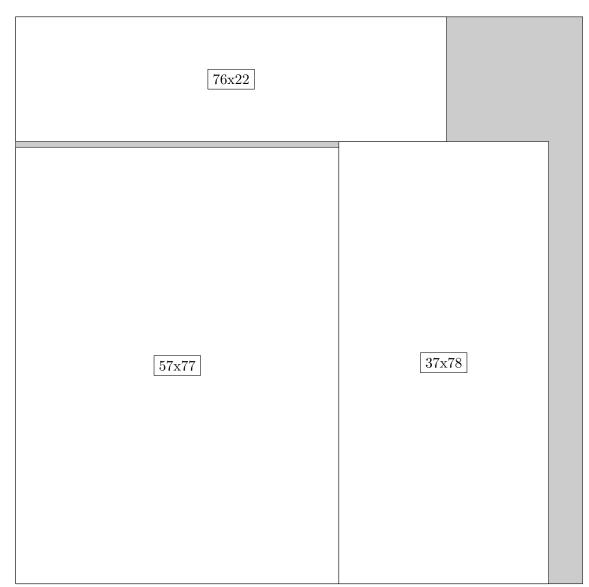


$$\begin{array}{l} w = \!\!\! 77 \ , \ h = \!\!\! 69 \ , \ x = \!\!\! 0 \ , \ y = \!\!\! 0 \ , \ v = \!\!\! 5313 \\ w = \!\!\! 78 \ , \ h = \!\!\! 31 \ , \ x = \!\!\! 0 \ , \ y = \!\!\! 69 \ , \ v = \!\!\! 2418 \end{array}$$





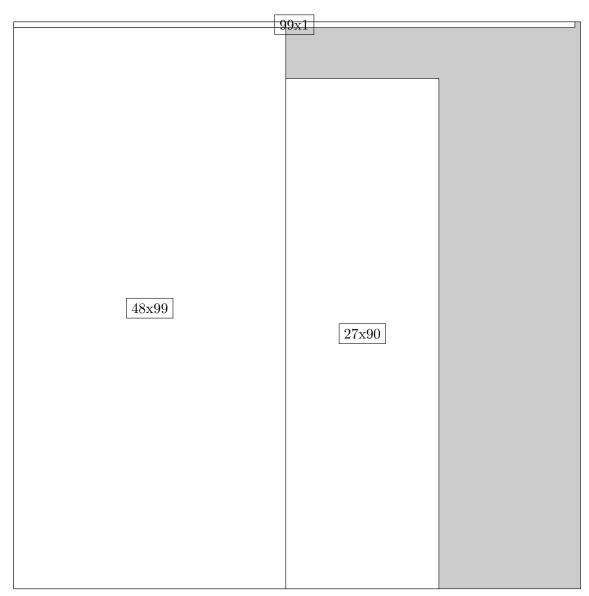
$$\begin{array}{l} w = \! 83 \; , \; h = \! 56 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 4648 \\ w = \! 100 \; , \; h = \! 40 \; , \; x = \! 0 \; , \; y = \! 60 \; , \; v = \! 4000 \\ w = \! 73 \; , \; h = \! 4 \; , \; x = \! 0 \; , \; y = \! 56 \; , \; v = \! 292 \end{array}$$



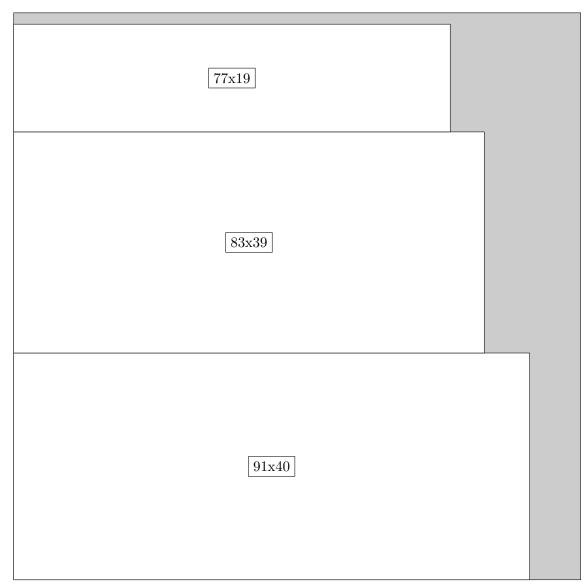
$$\le 57$$
 , h =
77 , x =0 , y =
0 , v =
4389

$$\mathbf{w}$$
 =37 , h =78 , x =57 , y =0 , v =2886

$$\le =76$$
 , h =22 , x =0 , y =78 , v =1672



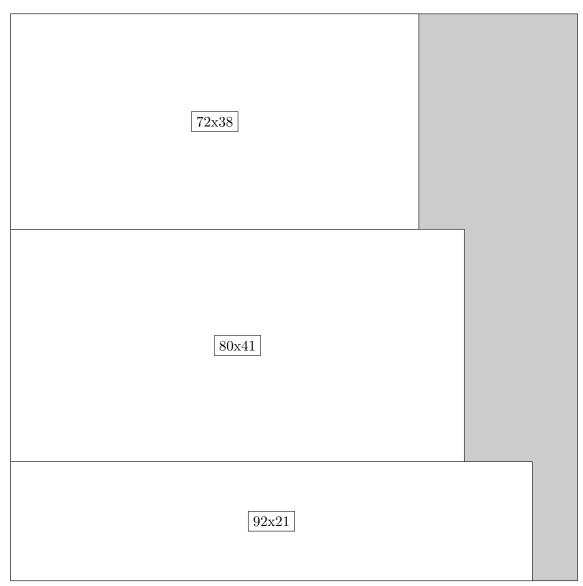
 $\begin{array}{l} w = \! 48 \ , \ h = \! 99 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 4752 \\ w = \! 27 \ , \ h = \! 90 \ , \ x = \! 48 \ , \ y = \! 0 \ , \ v = \! 2430 \\ w = \! 99 \ , \ h = \! 1 \ , \ x = \! 0 \ , \ y = \! 99 \ , \ v = \! 99 \end{array}$



$$w = 91 \ , \ h = 40 \ , \ x = 0 \ , \ y = 0 \ , \ v = 3640$$

$$\le =83$$
 , h =39 , x =0 , y =40 , v =3237

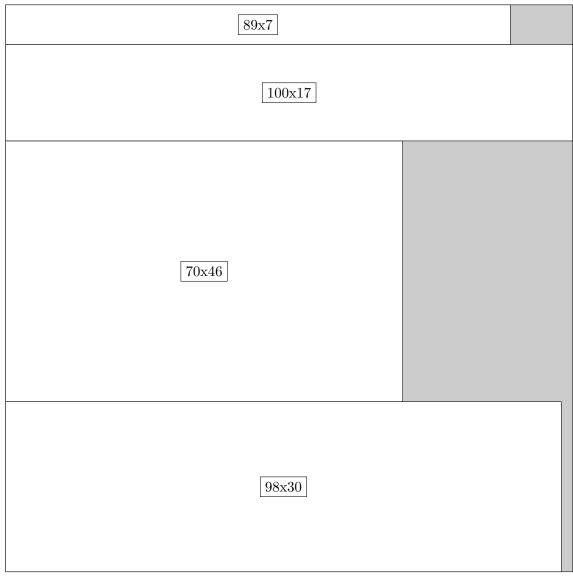
$$\le =77$$
 , h =19 , x =0 , y =79 , v =1463



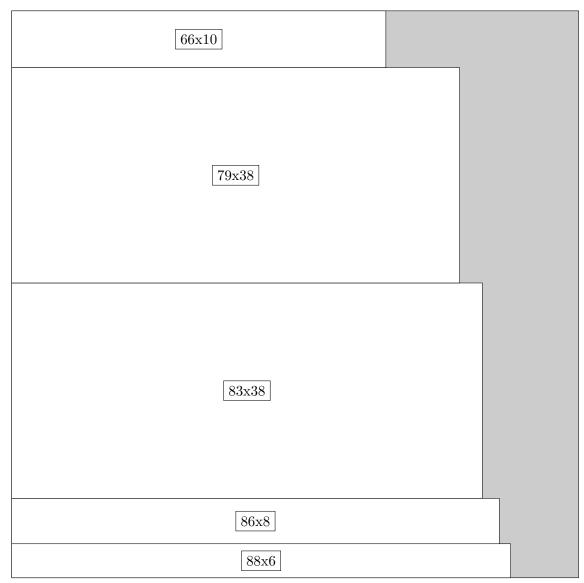
$$\le =80$$
 , h =41 , x =0 , y =21 , v =3280

$$\le =72$$
 , h =38 , x =0 , y =62 , v =2736

$$\le =92$$
 , h =21 , x =0 , y =0 , v =1932



$$\begin{array}{l} w = \! 70 \; , \; h = \! 46 \; , \; x = \! 0 \; , \; y = \! 30 \; , \; v = \! 3220 \\ w = \! 100 \; , \; h = \! 17 \; , \; x = \! 0 \; , \; y = \! 76 \; , \; v = \! 1700 \\ w = \! 98 \; , \; h = \! 30 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 2940 \\ w = \! 89 \; , \; h = \! 7 \; , \; x = \! 0 \; , \; y = \! 93 \; , \; v = \! 623 \end{array}$$



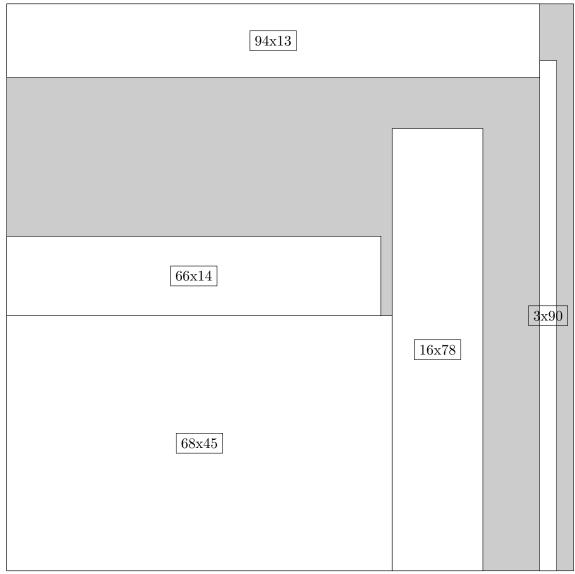
$$\le =83$$
 , h =38 , x =0 , y =14 , v =3154

$$\le =79$$
 , h =38 , x =0 , y =52 , v =3002

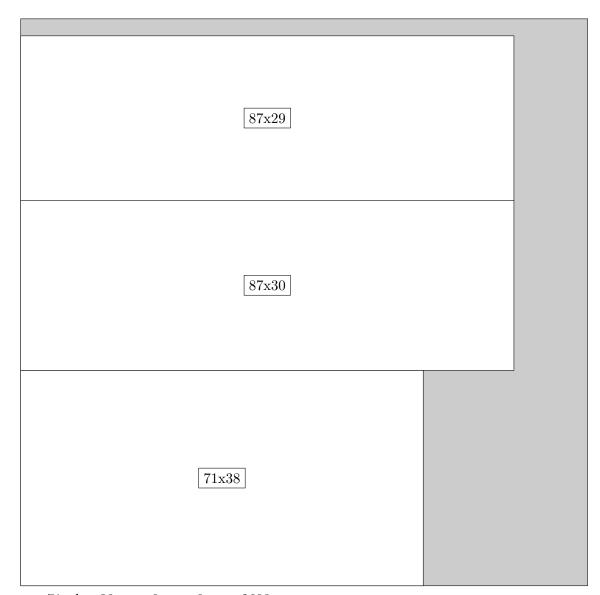
$$\le =86$$
 , $h=8$, $x=0$, $y=6$, $v=688$

$$\mathbf{w}$$
 =66 , h =10 , x =0 , y =90 , v =660

$$\le =88$$
 , h =6 , x =0 , y =0 , v =528



$$\begin{array}{l} w=68\;,\; h=45\;,\; x=0\;,\; y=0\;,\; v=3060\\ w=16\;,\; h=78\;,\; x=68\;,\; y=0\;,\; v=1248\\ w=3\;,\; h=90\;,\; x=94\;,\; y=0\;,\; v=270\\ w=66\;,\; h=14\;,\; x=0\;,\; y=45\;,\; v=924\\ w=94\;,\; h=13\;,\; x=0\;,\; y=87\;,\; v=1222 \end{array}$$



$$\begin{array}{l} w = \! 71 \ , \ h = \! 38 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 2698 \\ w = \! 87 \ , \ h = \! 30 \ , \ x = \! 0 \ , \ y = \! 38 \ , \ v = \! 2610 \end{array}$$

$$w = 87$$
, $h = 29$, $x = 0$, $y = 68$, $v = 2523$