$ClassName: \ Class\_08.2bp-43$ 

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

TypeNum: <u>97</u> Num: <u>100</u> OutS: <u>300000</u> InS: <u>254529</u> Rate: <u>0.848</u> UB: <u>30</u> LB0: <u>30</u> LB: <u>30</u>

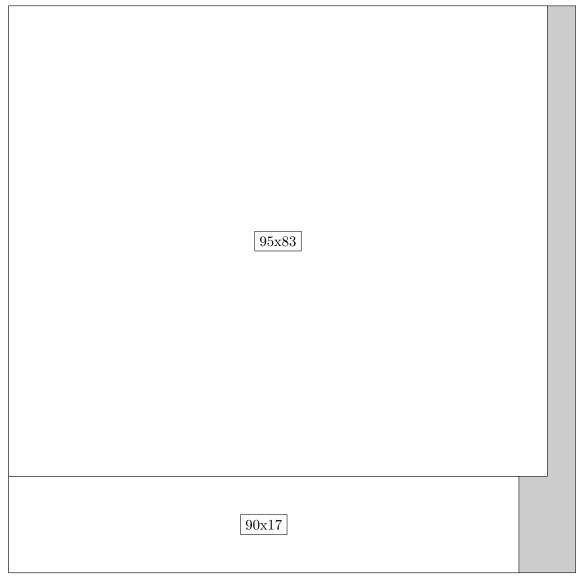
LBWithCut:  $\underline{\mathbf{30}}$  NodeCut:  $\underline{\mathbf{0}}$ 

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

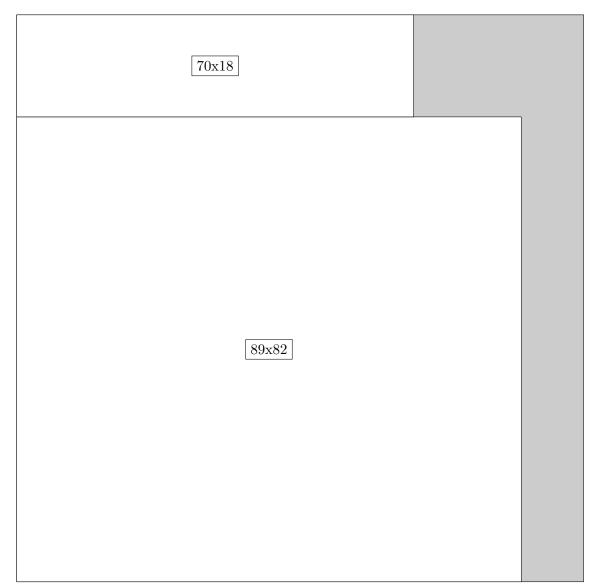
GenNodeCnt: 1
PrimalNode: 22
ColumnCount: 245
TotalCutCount: 104
RootCutCount: 104
LPSolverCnt: 336
PricingSolverCnt: 335
BranchAndBoundNum: 1

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

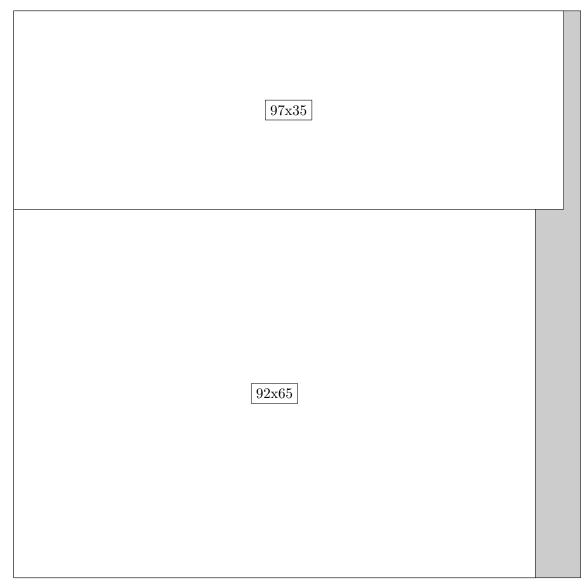
TimeOnPrimal:  $\underline{4.775}$  s TimeOnPricing:  $\underline{17.311}$  s TimeOnRmp:  $\underline{0.326}$  s TotalTime:  $\underline{17.987}$  s



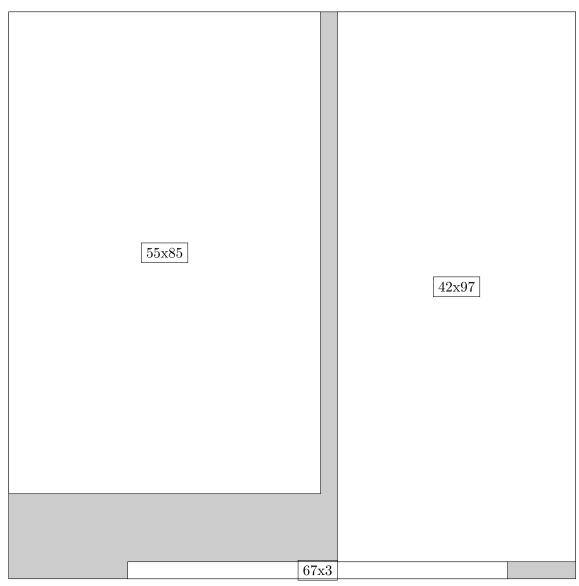
$$\begin{array}{l} w = \! 95 \ , \ h = \! 83 \ , \ x = \! 0 \ , \ y = \! 17 \ , \ v = \! 7885 \\ w = \! 90 \ , \ h = \! 17 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 1530 \end{array}$$



$$\begin{array}{c} w = 89 \; , \; h = 82 \; , \; x = 0 \; , \; y = 0 \; , \; v = 7298 \\ w = 70 \; , \; h = 18 \; , \; x = 0 \; , \; y = 82 \; , \; v = 1260 \\ \end{array}$$



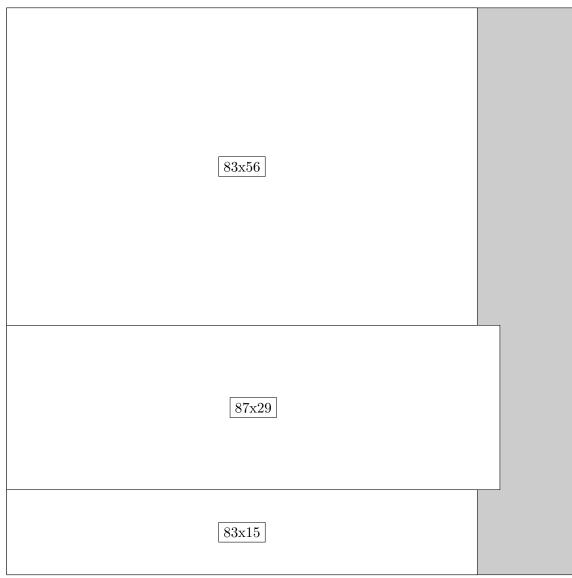
$$\begin{array}{c} w = 92 \; , \; h = 65 \; , \; x = 0 \; , \; y = 0 \; , \; v = 5980 \\ w = 97 \; , \; h = 35 \; , \; x = 0 \; , \; y = 65 \; , \; v = 3395 \\ \end{array}$$



 $\le =55$  , h =85 , x =0 , y =15 , v =4675

 $\mathbf{w}$  =67 , h =3 , x =21 , y =0 , v =201

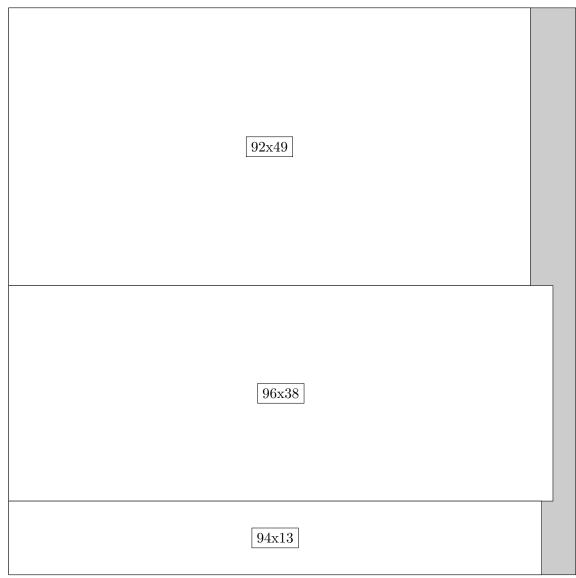
 $\mathbf{w}$  =42 , h =97 ,  $\mathbf{x}$  =58 , y =3 , v =4074



$$\le =83$$
 ,  $h=56$  ,  $x=0$  ,  $y=44$  ,  $v=4648$ 

$$\le =87$$
 , h =29 , x =0 , y =15 , v =2523

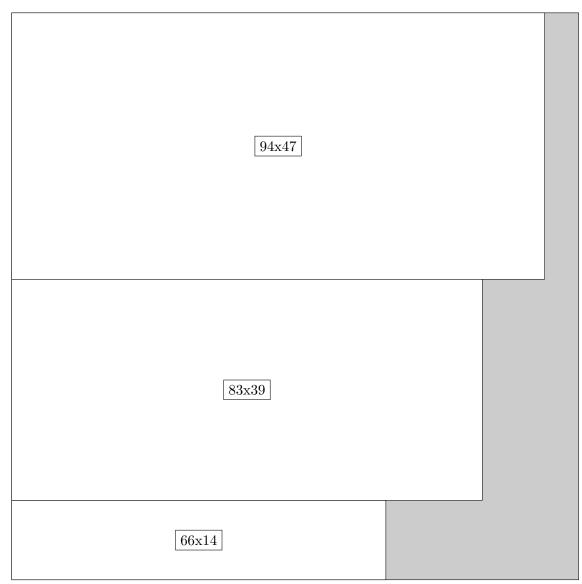
$$\le =83$$
 , h =15 , x =0 , y =0 , v =1245



$$\le =92$$
 , h =49 , x =0 , y =51 , v =4508

$$\le =96$$
 , h =38 , x =0 , y =13 , v =3648

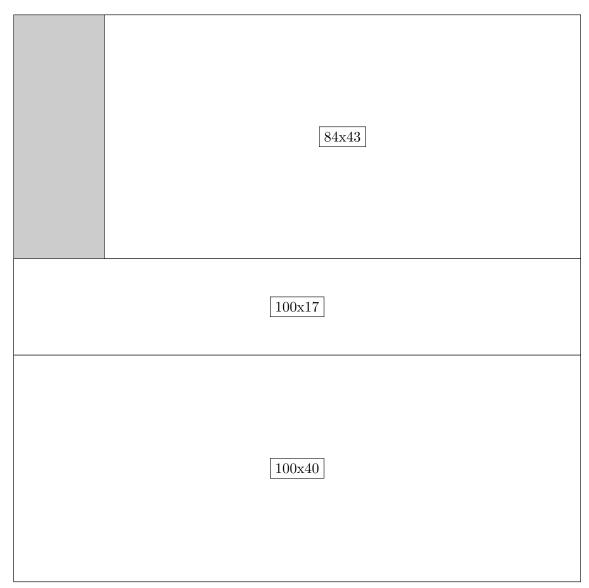
$$\le =94$$
 , h =13 , x =0 , y =0 , v =1222



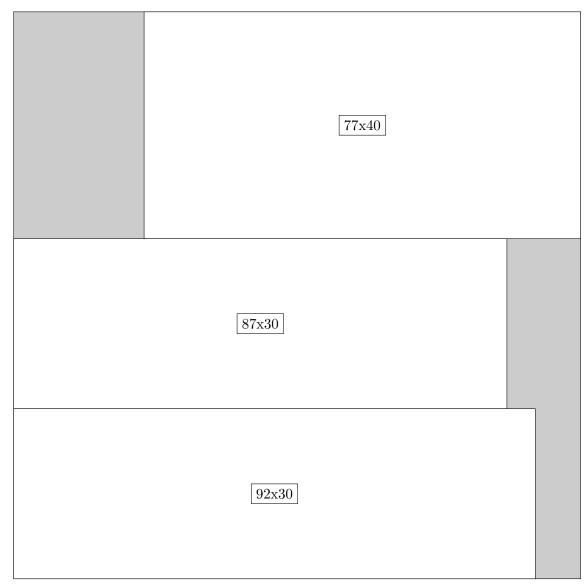
$$\le =94$$
 , h =47 , x =0 , y =53 , v =4418

$$\le =83$$
 , h =39 , x =0 , y =14 , v =3237

$$\le =66$$
 , h =14 , x =0 , y =0 , v =924



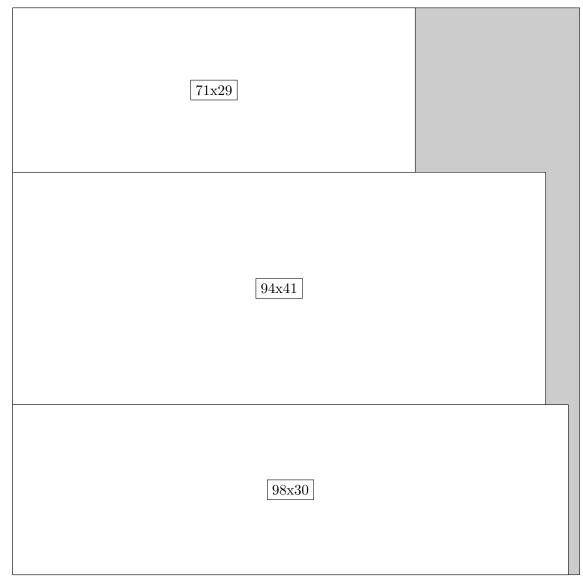
 $\begin{array}{l} w = \! 100 \ , \ h = \! 40 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 4000 \\ w = \! 84 \ , \ h = \! 43 \ , \ x = \! 16 \ , \ y = \! 57 \ , \ v = \! 3612 \\ w = \! 100 \ , \ h = \! 17 \ , \ x = \! 0 \ , \ y = \! 40 \ , \ v = \! 1700 \end{array}$ 



$$w = 87$$
,  $h = 30$ ,  $x = 0$ ,  $y = 30$ ,  $v = 2610$ 

$$\le =92$$
 , h =30 , x =0 , y =0 , v =2760

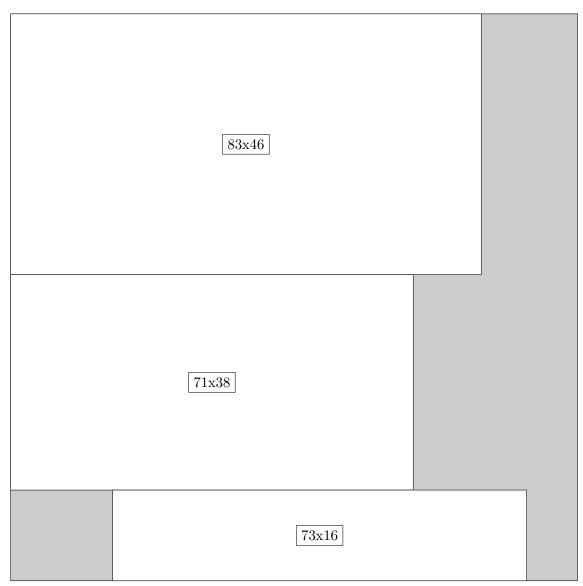
$$\le =77$$
 , h =40 , x =23 , y =60 , v =3080



$$w = 94$$
,  $h = 41$ ,  $x = 0$ ,  $y = 30$ ,  $v = 3854$ 

$$\le =98$$
 , h =30 , x =0 , y =0 , v =2940

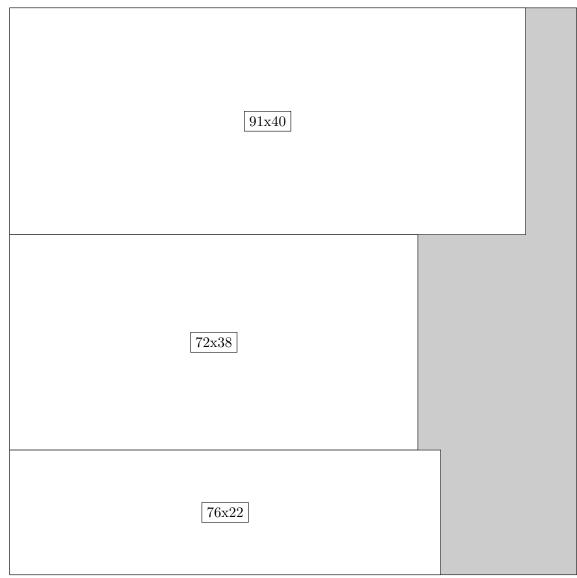
$$\le =71$$
 , h =29 , x =0 , y =71 , v =2059



$$\le =83$$
 ,  $h=46$  ,  $x=0$  ,  $y=54$  ,  $v=3818$ 

$$\le =71$$
 , h =38 , x =0 , y =16 , v =2698

$$\le =73$$
 , h =16 , x =18 , y =0 , v =1168



$$\le =91$$
 , h =40 , x =0 , y =60 , v =3640

$$\le =72$$
 , h =38 , x =0 , y =22 , v =2736

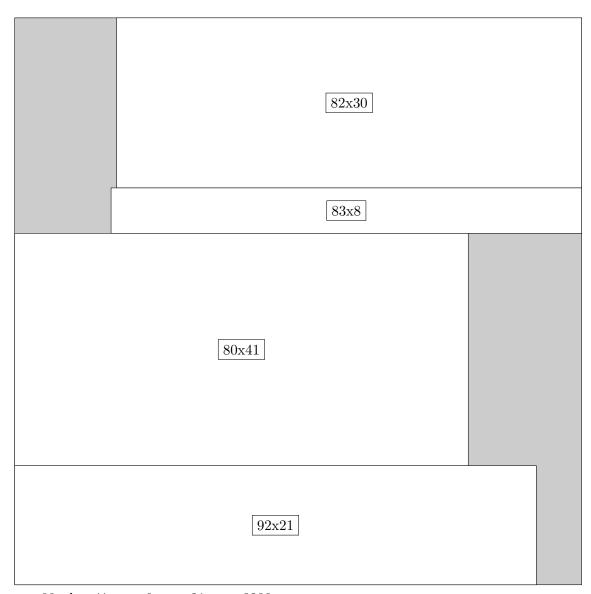
$$\le =76$$
 , h =22 , x =0 , y =0 , v =1672



$$\le =84$$
 ,  $h$  =41 ,  $x$  =0 ,  $y$  =59 ,  $v$  =3444

$$\mathbf{w}$$
 =78 , h =10 , x =0 , y =49 , v =780

$$\le =69$$
 , h =49 , x =27 , y =0 , v =3381

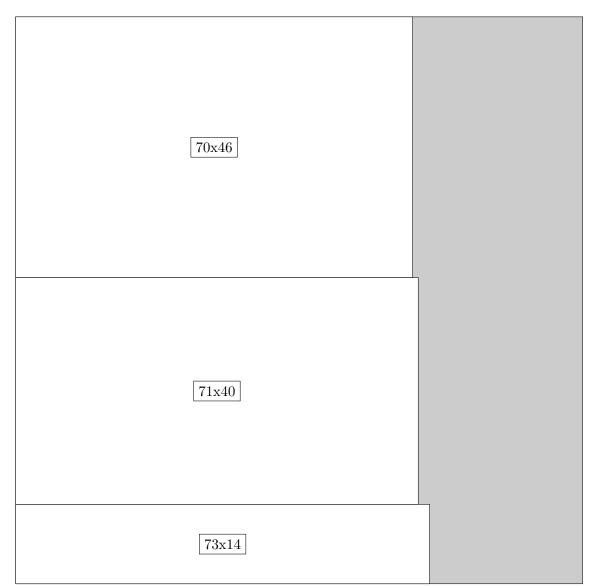


$$\le =80$$
 , h =41 , x =0 , y =21 , v =3280

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

$$\le =82$$
 , h =30 , x =18 , y =70 , v =2460

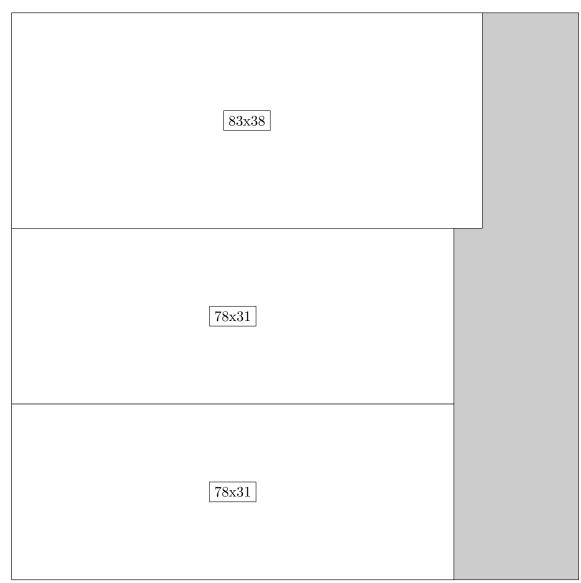
$$\le =83$$
 ,  $h$  =8 ,  $x$  =17 ,  $y$  =62 ,  $v$  =664



$$\le =70$$
 , h =46 , x =0 , y =54 , v =3220

$$\le =71$$
 , h =40 , x =0 , y =14 , v =2840

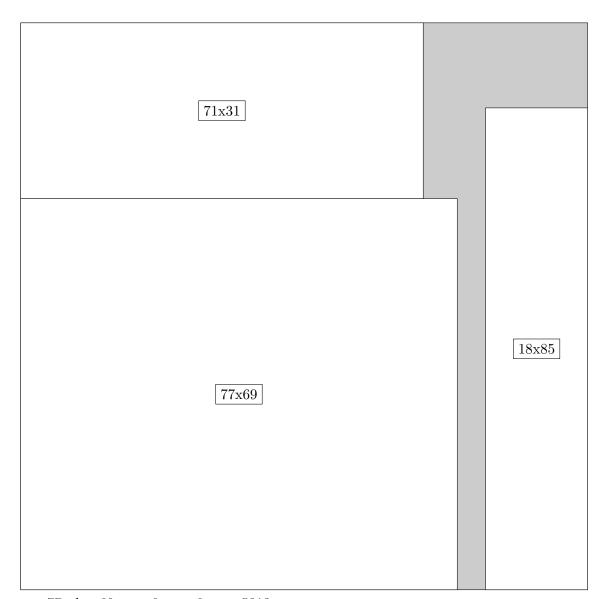
$$\le =73$$
 , h =14 , x =0 , y =0 , v =1022



$$\le =83$$
 , h =38 , x =0 , y =62 , v =3154

$$\le =78$$
 , h =31 , x =0 , y =31 , v =2418

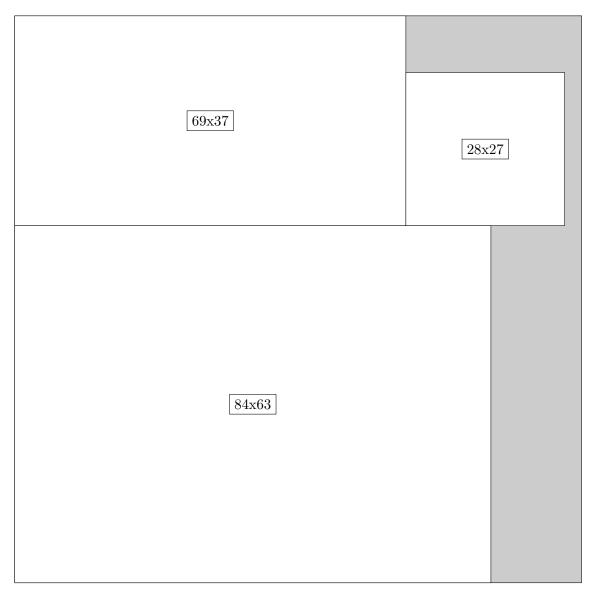
$$\le =78$$
 , h =31 , x =0 , y =0 , v =2418



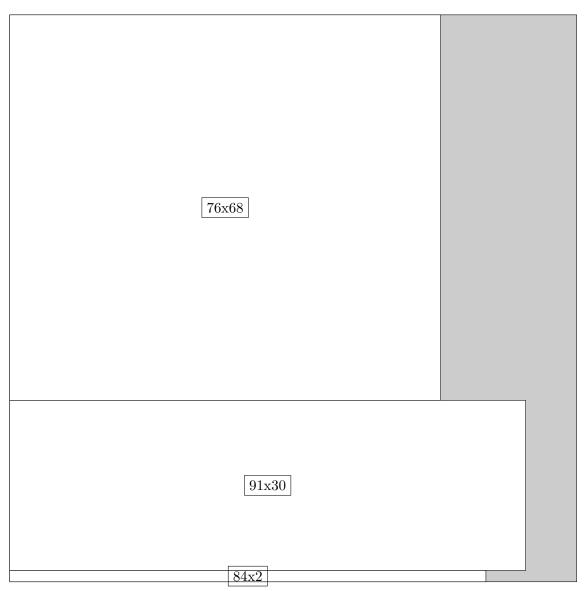
$$\le =77$$
 , h =69 , x =0 , y =0 , v =5313

$$\le =71$$
 , h =31 , x =0 , y =69 , v =2201

$$\le =18$$
 ,  $h$  =85 ,  $x$  =82 ,  $y$  =0 ,  $v$  =1530



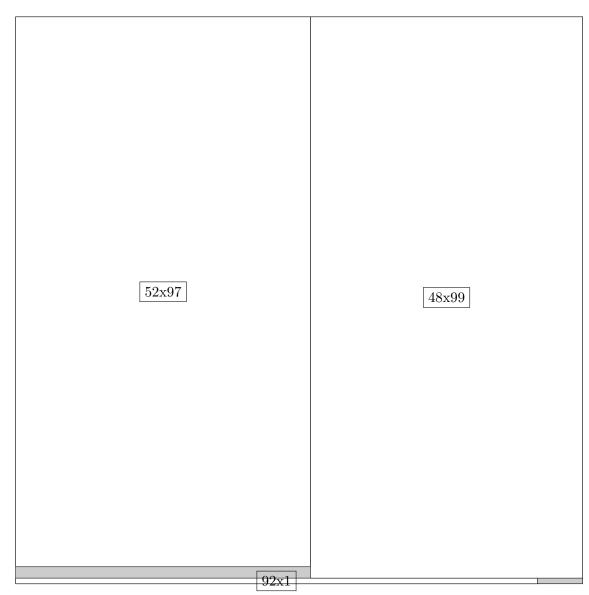
$$\begin{array}{l} w = \! 84 \ , \ h = \! 63 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 5292 \\ w = \! 69 \ , \ h = \! 37 \ , \ x = \! 0 \ , \ y = \! 63 \ , \ v = \! 2553 \\ w = \! 28 \ , \ h = \! 27 \ , \ x = \! 69 \ , \ y = \! 63 \ , \ v = \! 756 \end{array}$$



$$w = 76$$
,  $h = 68$ ,  $x = 0$ ,  $y = 32$ ,  $v = 5168$ 

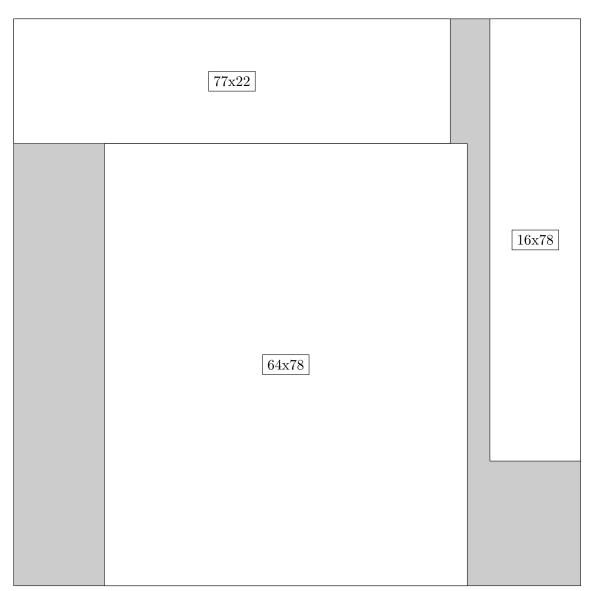
$$\le =91$$
 ,  $h=30$  ,  $x=0$  ,  $y=2$  ,  $v=2730$ 

$$\mathbf{w}$$
 =84 , h =2 , x =0 , y =0 , v =168



$$\begin{array}{l} w = \!\! 52 \ , \ h = \!\! 97 \ , \ x = \!\! 0 \ , \ y = \!\! 3 \ , \ v = \!\! 5044 \\ w = \!\! 92 \ , \ h = \!\! 1 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 92 \end{array}$$

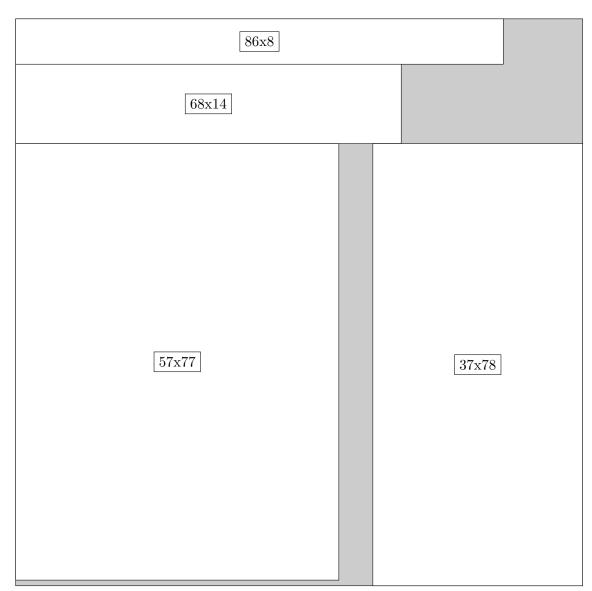
$$\le =48$$
 , h =99 , x =52 , y =1 , v =4752



$$\le =77$$
 , h =22 , x =0 , y =78 , v =1694

$$\le =64$$
 ,  $h$  =78 ,  $x$  =16 ,  $y$  =0 ,  $v$  =4992

$$\le =16$$
 , h =78 , x =84 , y =22 , v =1248

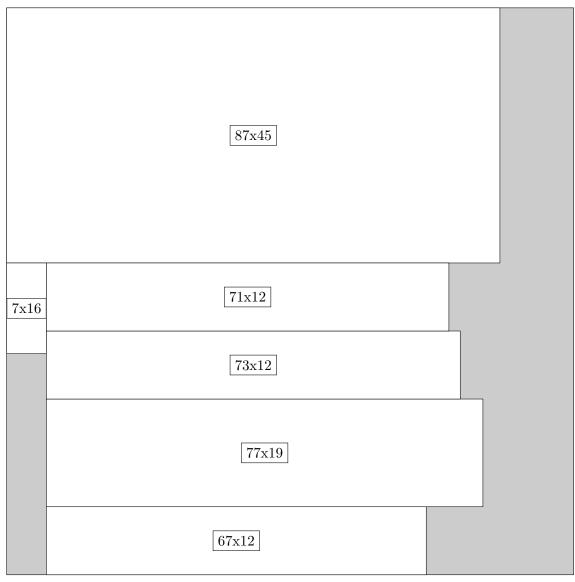


$$\le =57$$
 , h =77 , x =0 , y =1 , v =4389

$$\le =68$$
 ,  $h$  =14 ,  $x$  =0 ,  $y$  =78 ,  $v$  =952

$$\le =86$$
 , h =8 , x =0 , y =92 , v =688

$$\mathbf{w}$$
 =37 , h =78 , x =63 , y =0 , v =2886



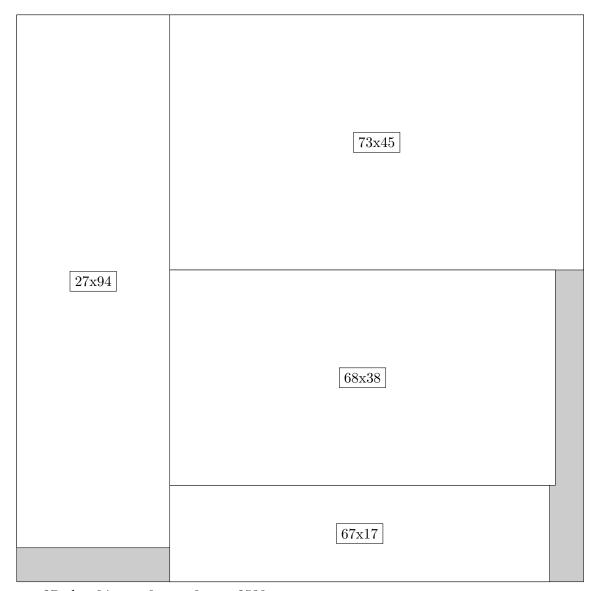
$$\begin{array}{l} w = \!\!87 \;,\; h = \!\!45 \;,\; x = \!\!0 \;,\; y = \!\!55 \;,\; v = \!\!3915 \\ w = \!\!7 \;,\; h = \!\!16 \;,\; x = \!\!0 \;,\; y = \!\!39 \;,\; v = \!\!112 \end{array}$$

$$\le =67$$
 , h =12 , x =7 , y =0 , v =  
804

$$w$$
 =77 ,  $h$  =19 ,  $x$  =7 ,  $y$  =12 ,  $v$  =1463

$$w$$
 =73 ,  $h$  =12 ,  $x$  =7 ,  $y$  =31 ,  $v$  =876

$$w$$
 =71 , h =12 , x =7 , y =43 , v =852

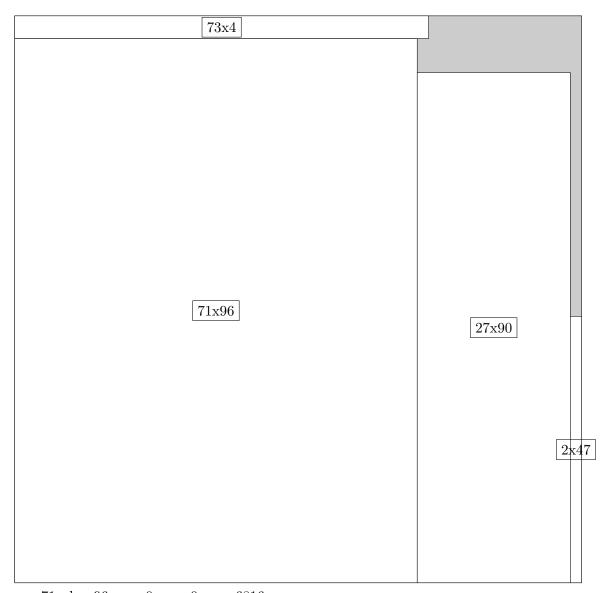


$$\le =27$$
 , h =94 , x =0 , y =6 , v =2538

$$\le -73$$
 , h =45 , x =27 , y =55 , v =3285

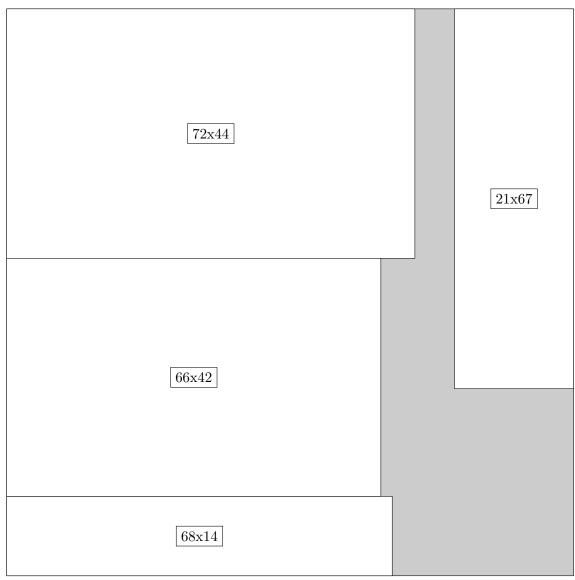
$$\le =68$$
 , h =38 , x =27 , y =17 , v =2584

$$\le =67$$
 , h =17 , x =27 , y =0 , v =1139



$$\begin{array}{l} w = \! 71 \ , \ h = \! 96 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 6816 \\ w = \! 27 \ , \ h = \! 90 \ , \ x = \! 71 \ , \ y = \! 0 \ , \ v = \! 2430 \\ w = \! 73 \ , \ h = \! 4 \ , \ x = \! 0 \ , \ y = \! 96 \ , \ v = \! 292 \end{array}$$

 $\mathbf{w}$  =2 , h =47 , x =98 , y =0 , v =94

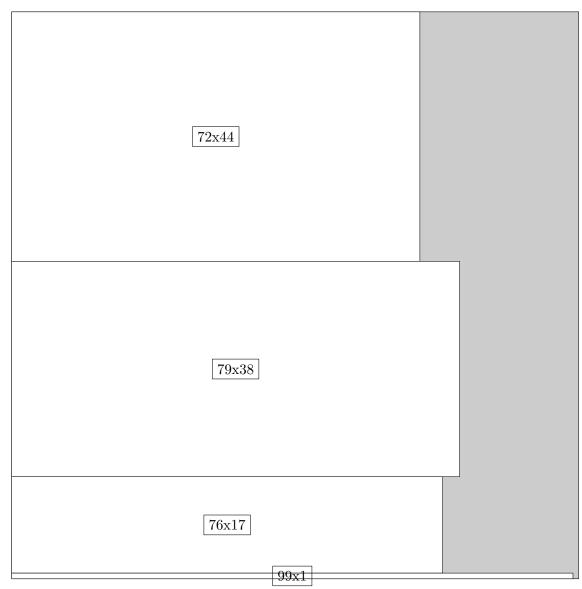


$$\le =72$$
 , h =44 , x =0 , y =56 , v =3168

$$\le =66$$
 , h =42 , x =0 , y =14 , v =2772

$$\le =68$$
 , h =14 , x =0 , y =0 , v =952

$$w$$
 =21 , h =67 , x =79 , y =33 , v =1407

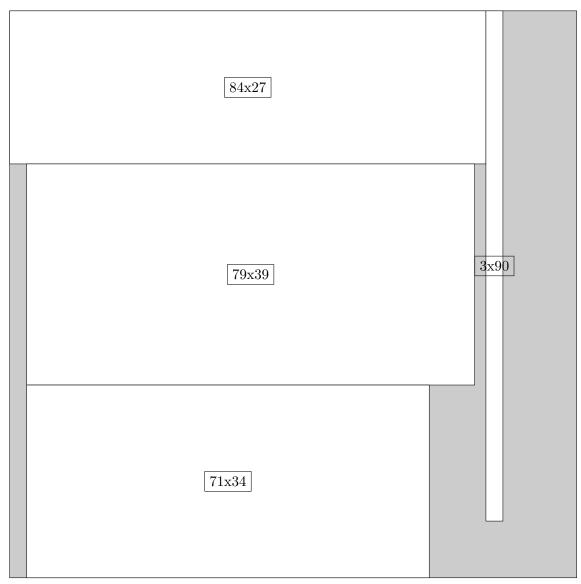


$$\le =72$$
 , h =44 , x =0 , y =  
56 , v =3168

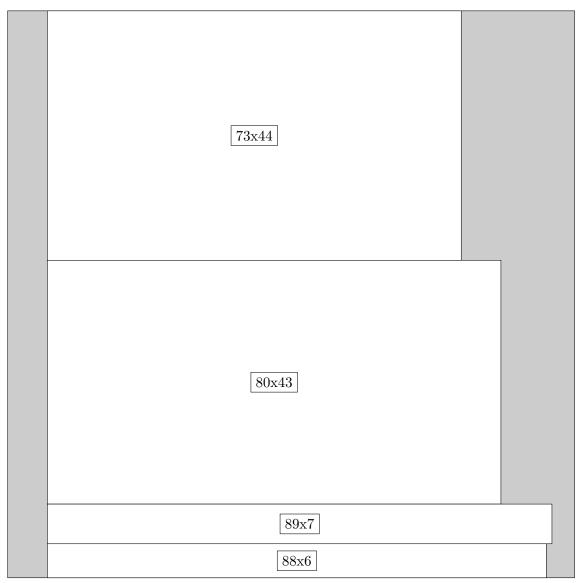
$$w = 79$$
,  $h = 38$ ,  $x = 0$ ,  $y = 18$ ,  $v = 3002$ 

$$\le =76$$
 , h =17 , x =0 , y =1 , v =1292

$$\le =99$$
 , h =1 , x =0 , y =0 , v =99



 $\begin{array}{l} w = \! 84 \; , \; h = \! 27 \; , \; x = \! 0 \; , \; y = \! 73 \; , \; v = \! 2268 \\ w = \! 79 \; , \; h = \! 39 \; , \; x = \! 3 \; , \; y = \! 34 \; , \; v = \! 3081 \\ w = \! 71 \; , \; h = \! 34 \; , \; x = \! 3 \; , \; y = \! 0 \; , \; v = \! 2414 \\ w = \! 3 \; , \; h = \! 90 \; , \; x = \! 84 \; , \; y = \! 10 \; , \; v = \! 270 \end{array}$ 

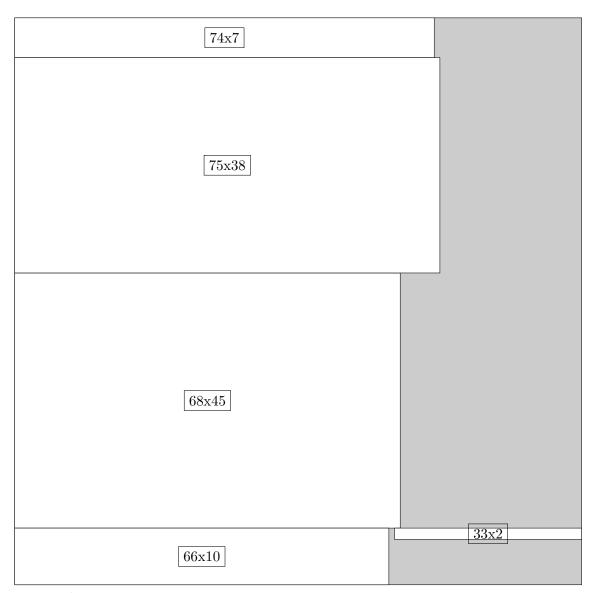


$$\le -73$$
 , h =44 , x =7 , y =  
56 , v =3212

$$\le =80$$
 , h =43 , x =7 , y =13 , v =3440

$$\le =89$$
 , h =7 , x =7 , y =6 , v =623

$$\le =88$$
 ,  $h$  =6 ,  $x$  =7 ,  $y$  =0 ,  $v$  =528



$$\le =68$$
 , h =45 , x =0 , y =10 , v =3060

$$\le =75$$
 , h =38 , x =0 , y =55 , v =2850

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

$$\mathbf{w}$$
 =74 , h =7 , x =0 , y =93 , v =518

$$\le =33$$
 , h =2 , x =67 , y =8 , v =66