$ClassName: \ Class\_07.2bp-45$ 

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

TypeNum: <u>97</u>
Num: <u>100</u>
OutS: <u>280000</u>
InS: <u>247792</u>
Rate: <u>0.885</u>
UB: <u>28</u>
LB0: <u>28</u>
LB: <u>28</u>

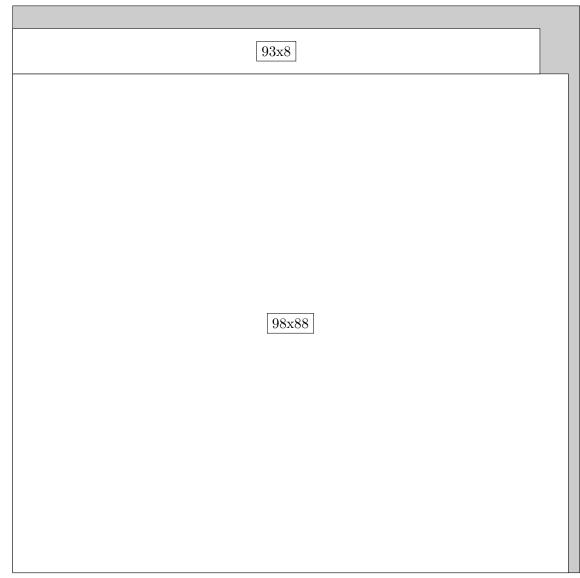
LBWithCut:  $\underline{28}$  NodeCut:  $\underline{0}$ 

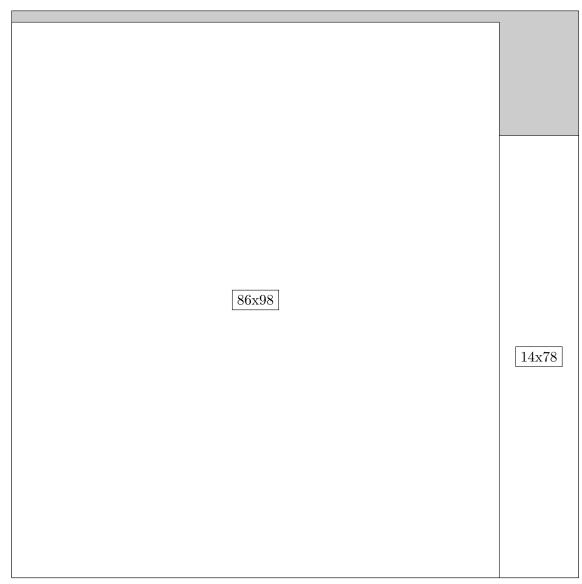
ExtendedNodeCnt:  $\underline{\mathbf{1}}$ 

GenNodeCnt:  $\underline{\mathbf{1}}$ PrimalNode:  $\underline{\mathbf{0}}$ ColumnCount:  $\underline{\mathbf{28}}$ TotalCutCount:  $\underline{\mathbf{0}}$ RootCutCount:  $\underline{\mathbf{0}}$ LPSolverCnt:  $\underline{\mathbf{1}}$ PricingSolverCnt:  $\underline{\mathbf{0}}$ BranchAndBoundNum:  $\underline{\mathbf{1}}$ 

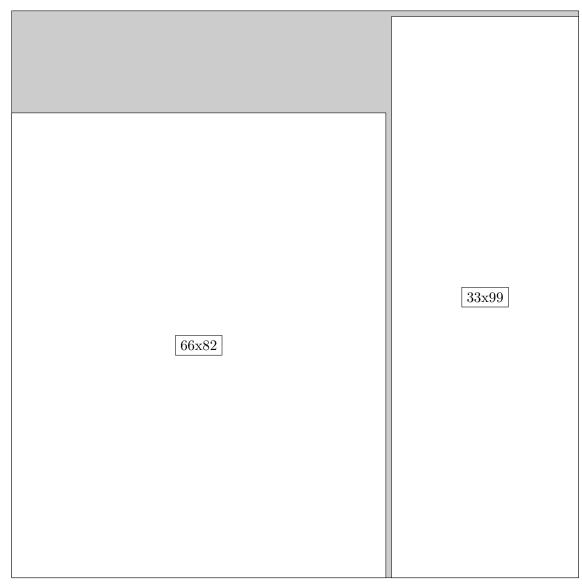
isOpt: **true** 

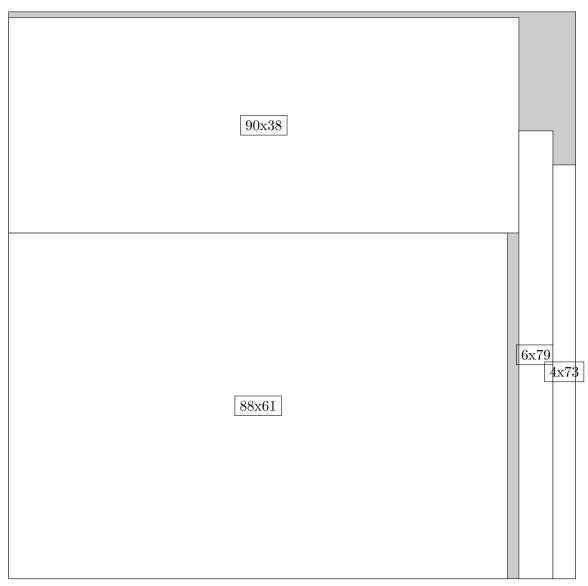
 $\begin{array}{ll} {\rm TimeOnInitSolution:} \ \underline{0.790 \ s} \\ {\rm TimeOnPrimal:} \ \underline{0.000 \ s} \\ {\rm TimeOnPricing:} \ \underline{0.000 \ s} \\ {\rm TimeOnRmp:} \ \underline{0.078 \ s} \\ {\rm TotalTime:} \ \underline{0.915 \ s} \\ \end{array}$ 





$$\begin{array}{c} w = \! 86 \; , \; h = \! 98 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 8428 \\ w = \! 14 \; , \; h = \! 78 \; , \; x = \! 86 \; , \; y = \! 0 \; , \; v = \! 1092 \\ \end{array}$$



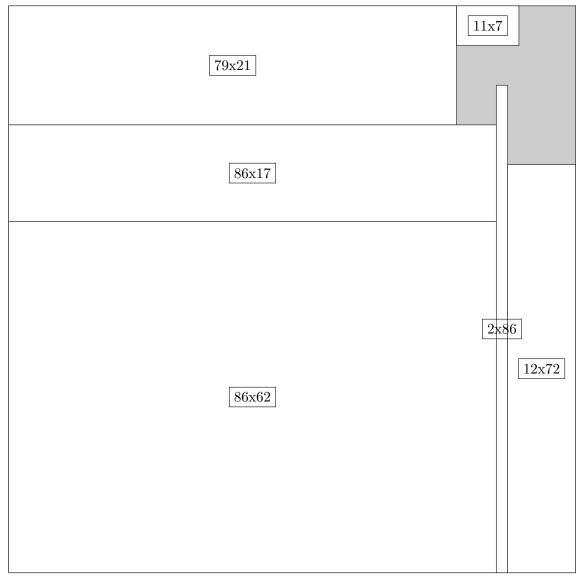


$$w$$
 =88 ,  $h$  =61 ,  $x$  =0 ,  $y$  =0 ,  $v$  =5368

$$\le =90$$
 ,  $h=38$  ,  $x=0$  ,  $y=61$  ,  $v=3420$ 

$$\mathbf{w}$$
 =6 , h =79 , x =90 , y =0 , v =474

$$\mathbf{w}$$
 =4 , h =73 , x =96 , y =0 , v =292



$$w = 86$$
,  $h = 62$ ,  $x = 0$ ,  $y = 0$ ,  $v = 5332$ 

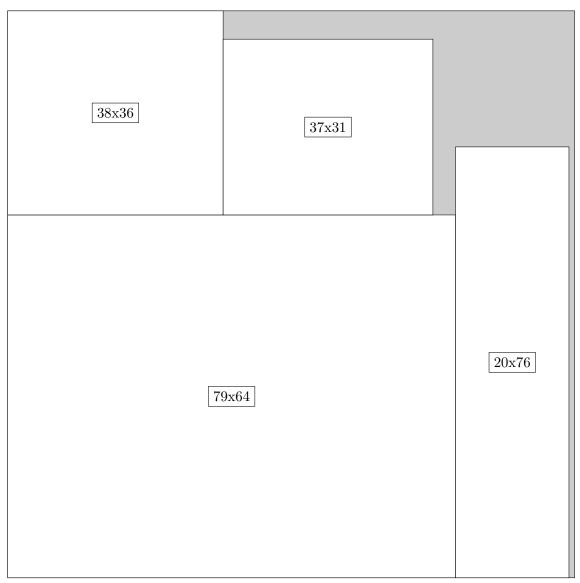
$$\le =79$$
 , h =21 , x =0 , y =79 , v =1659

$$\le =86$$
 , h =17 , x =0 , y =62 , v =1462

$$\mathbf{w}$$
 =12 , h =72 , x =88 , y =0 , v =864

$$\mathbf{w}$$
 =2 , h =86 , x =86 , y =0 , v =172

$$w=\!11$$
 ,  $h=\!7$  ,  $x=\!79$  ,  $y=\!93$  ,  $v=\!77$ 

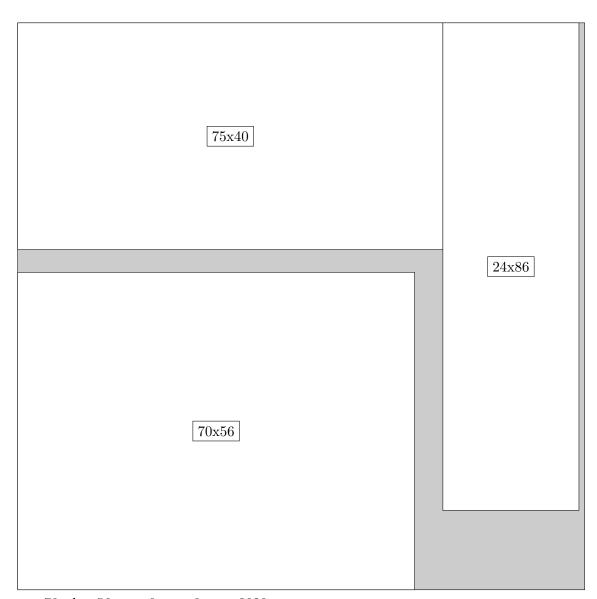


$$\le -79$$
 ,  $h$  =64 ,  $x$  =0 ,  $y$  =0 ,  $v$  =5056

$$\le =20$$
 ,  $h$  =76 ,  $x$  =79 ,  $y$  =0 ,  $v$  =1520

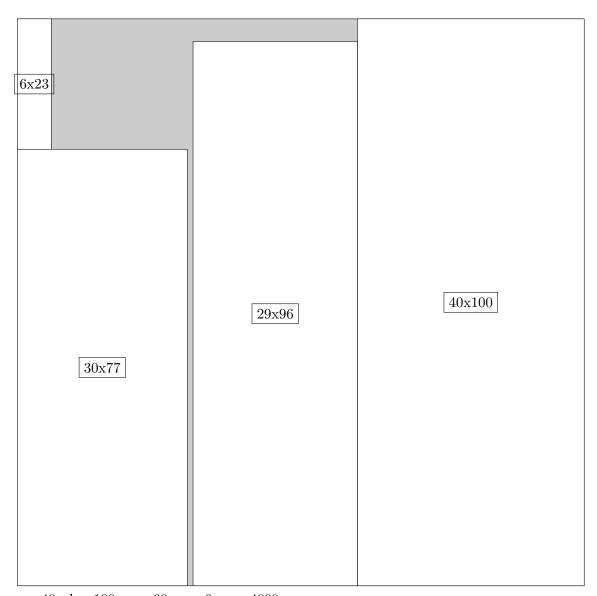
$$\le =38$$
 , h =36 , x =0 , y =64 , v =1368

$$w$$
 =37 , h =31 , x =38 , y =64 , v =1147



$$\le =70$$
 , h =  
56 , x =0 , y =  
0 , v =  
3920

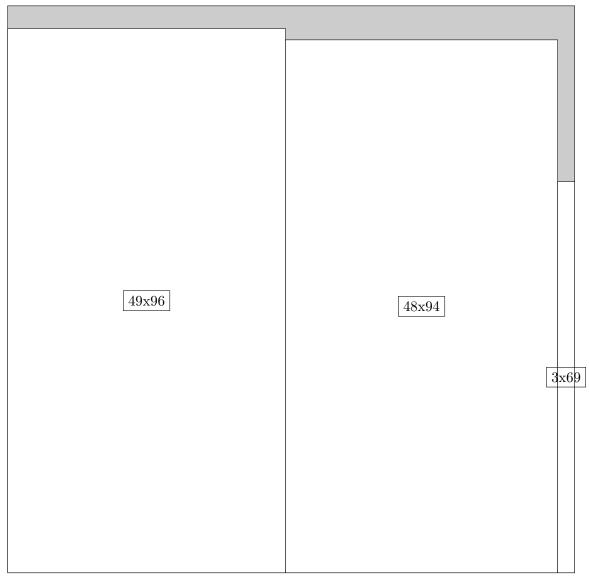
$$\le =24$$
 , h =86 , x =75 , y =14 , v =2064



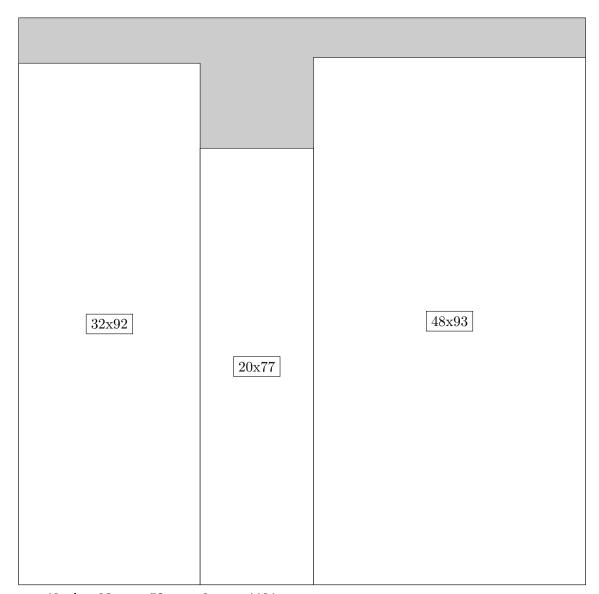
 $\begin{array}{l} w = \! 40 \ , \ h = \! 100 \ , \ x = \! 60 \ , \ y = \! 0 \ , \ v = \! 4000 \\ w = \! 29 \ , \ h = \! 96 \ , \ x = \! 31 \ , \ y = \! 0 \ , \ v = \! 2784 \\ \end{array}$ 

 $\le =30$  , h =77 , x =0 , y =0 , v =2310

 $\mathbf{w}$  =6 , h =23 , x =0 , y =77 , v =138

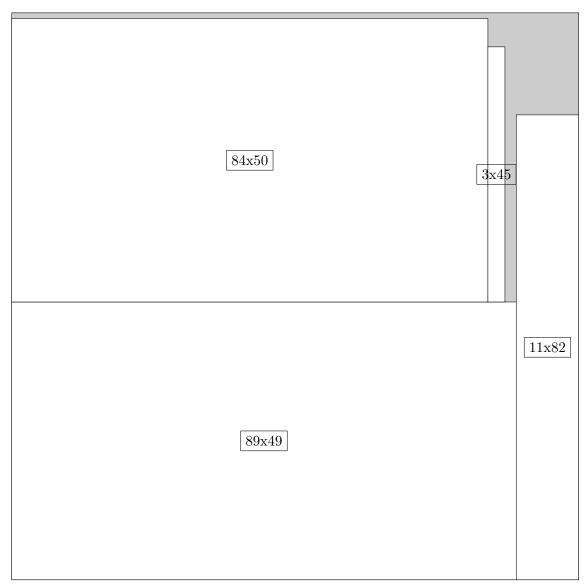


 $\begin{array}{l} w = \! 49 \ , \ h = \! 96 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 4704 \\ w = \! 48 \ , \ h = \! 94 \ , \ x = \! 49 \ , \ y = \! 0 \ , \ v = \! 4512 \\ w = \! 3 \ , \ h = \! 69 \ , \ x = \! 97 \ , \ y = \! 0 \ , \ v = \! 207 \end{array}$ 



$$\begin{array}{l} w = \! 48 \ , \ h = \! 93 \ , \ x = \! 52 \ , \ y = \! 0 \ , \ v = \! 4464 \\ w = \! 32 \ , \ h = \! 92 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 2944 \end{array}$$

$$w = 20$$
 ,  $h = 77$  ,  $x = 32$  ,  $y = 0$  ,  $v = 1540$ 

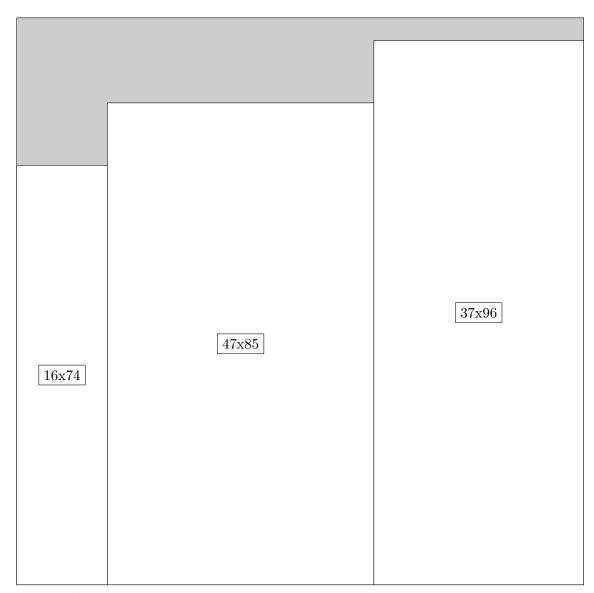


$$w = \! 89 \; , \; h = \! 49 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 4361$$

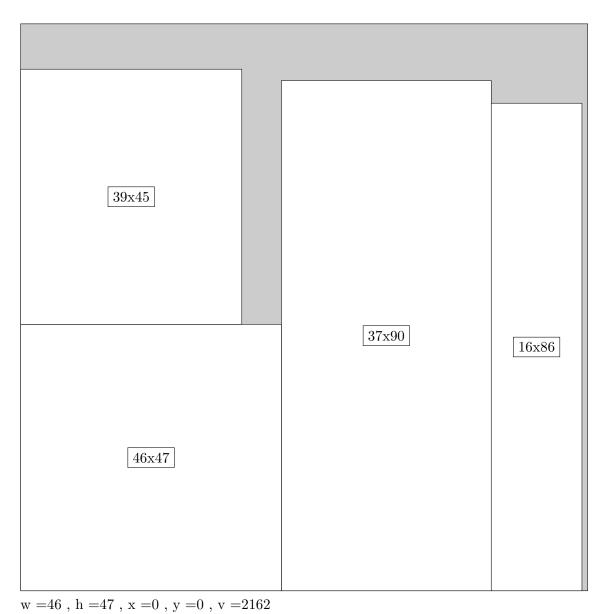
$$\le =84$$
 ,  $h$  =50 ,  $x$  =0 ,  $y$  =49 ,  $v$  =4200

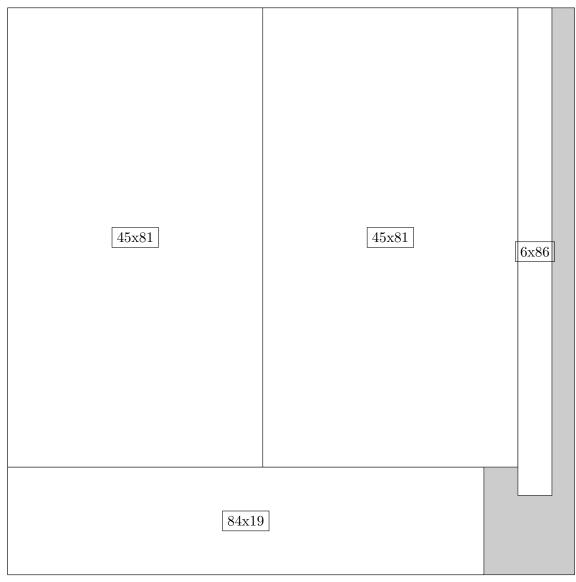
$$\le =11$$
 ,  $h$  =82 ,  $x$  =89 ,  $y$  =0 ,  $v$  =902

$$w$$
 =3 , h =45 , x =84 , y =49 , v =135

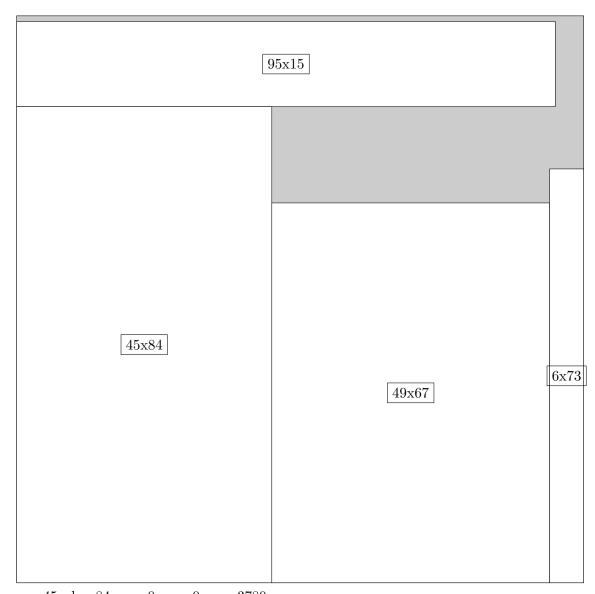


$$\begin{array}{l} w = \! 16 \ , \ h = \! 74 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 1184 \\ w = \! 47 \ , \ h = \! 85 \ , \ x = \! 16 \ , \ y = \! 0 \ , \ v = \! 3995 \\ w = \! 37 \ , \ h = \! 96 \ , \ x = \! 63 \ , \ y = \! 0 \ , \ v = \! 3552 \end{array}$$

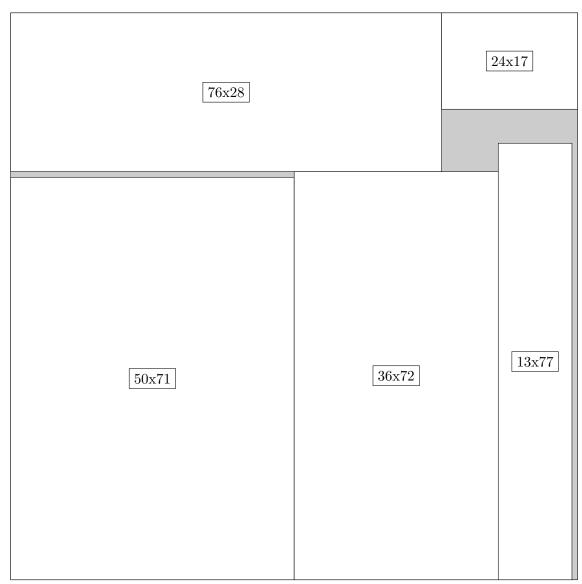




 $\begin{array}{l} w = \! 84 \ , \ h = \! 19 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 1596 \\ w = \! 45 \ , \ h = \! 81 \ , \ x = \! 0 \ , \ y = \! 19 \ , \ v = \! 3645 \\ w = \! 45 \ , \ h = \! 81 \ , \ x = \! 45 \ , \ y = \! 19 \ , \ v = \! 3645 \\ w = \! 6 \ , \ h = \! 86 \ , \ x = \! 90 \ , \ y = \! 14 \ , \ v = \! 516 \end{array}$ 



$$\begin{array}{l} w = \!\! 45 \ , \ h = \!\! 84 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 3780 \\ w = \!\! 49 \ , \ h = \!\! 67 \ , \ x = \!\! 45 \ , \ y = \!\! 0 \ , \ v = \!\! 3283 \\ w = \!\! 95 \ , \ h = \!\! 15 \ , \ x = \!\! 0 \ , \ y = \!\! 84 \ , \ v = \!\! 1425 \\ w = \!\! 6 \ , \ h = \!\! 73 \ , \ x = \!\! 94 \ , \ y = \!\! 0 \ , \ v = \!\! 438 \end{array}$$



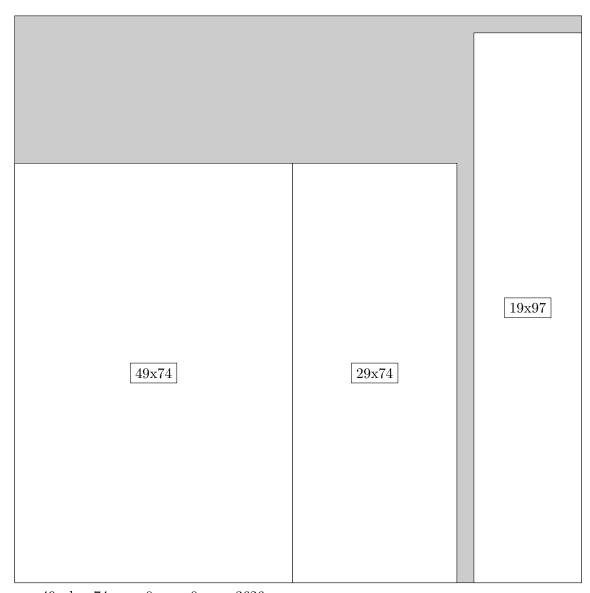
$$\mathbf{w}$$
 =50 , h =71 , x =0 , y =0 , v =3550

$$\le =36$$
 , h =72 , x =50 , y =0 , v =2592

$$\mathbf{w}$$
 =76 , h =28 , x =0 , y =72 , v =2128

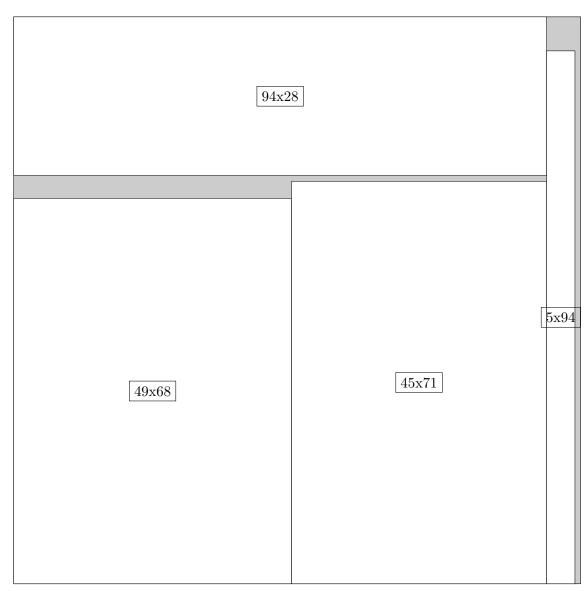
$$\mathbf{w}$$
 =13 , h =77 , x =86 , y =0 , v =1001

$$w$$
 =24 , h =17 , x =76 , y =83 , v =408

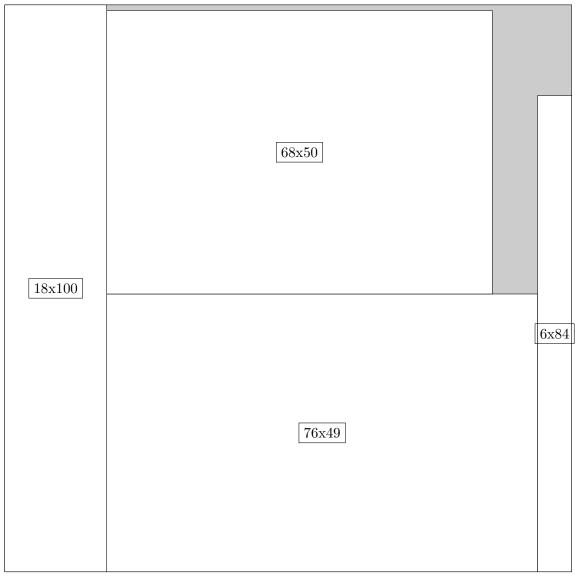


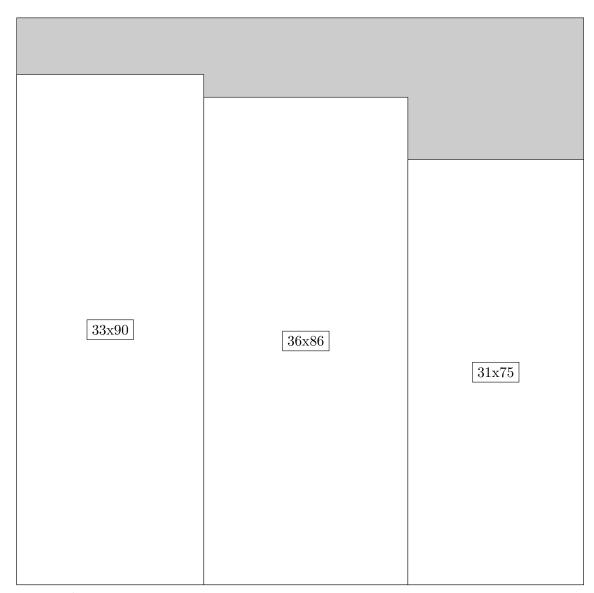
$$\le =29$$
 , h =74 , x =49 , y =0 , v =2146

$$\mathbf{w}$$
 =19 , h =97 , x =81 , y =0 , v =1843



$$\begin{array}{l} w = \!\! 49 \ , \ h = \!\! 68 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 3332 \\ w = \!\! 45 \ , \ h = \!\! 71 \ , \ x = \!\! 49 \ , \ y = \!\! 0 \ , \ v = \!\! 3195 \\ w = \!\! 94 \ , \ h = \!\! 28 \ , \ x = \!\! 0 \ , \ y = \!\! 72 \ , \ v = \!\! 2632 \\ w = \!\! 5 \ , \ h = \!\! 94 \ , \ x = \!\! 94 \ , \ y = \!\! 0 \ , \ v = \!\! 470 \end{array}$$

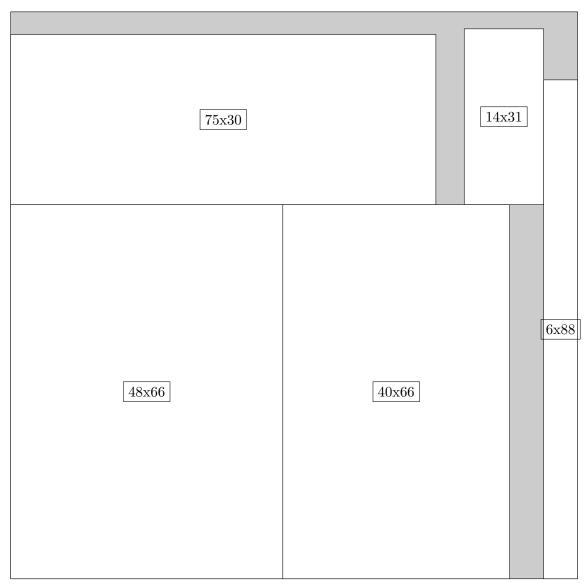




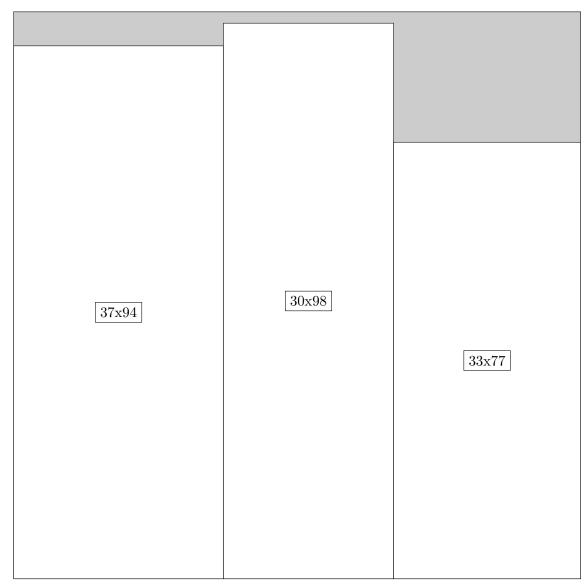
$$\le =36$$
 ,  $h=86$  ,  $x=33$  ,  $y=0$  ,  $v=3096$ 

$$\le =33$$
 , h =90 , x =0 , y =0 , v =2970

$$\le =31$$
 , h =75 , x =69 , y =0 , v =2325



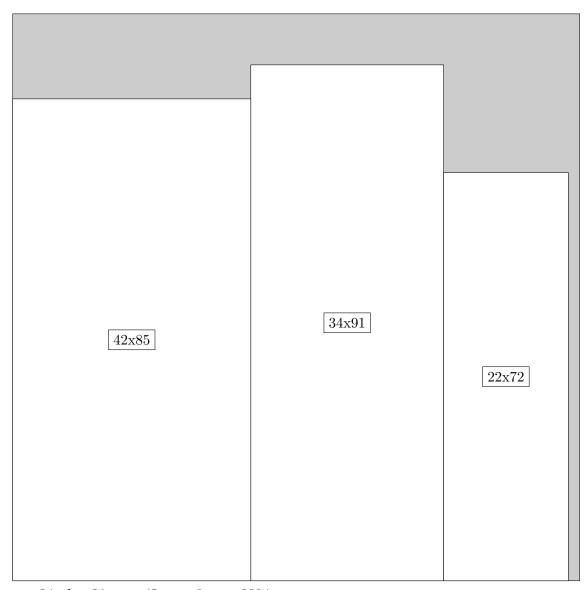
$$\begin{array}{l} w = \!\! 48 \ , \ h = \!\! 66 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 3168 \\ w = \!\! 40 \ , \ h = \!\! 66 \ , \ x = \!\! 48 \ , \ y = \!\! 0 \ , \ v = \!\! 2640 \\ w = \!\! 75 \ , \ h = \!\! 30 \ , \ x = \!\! 0 \ , \ y = \!\! 66 \ , \ v = \!\! 2250 \\ w = \!\! 6 \ , \ h = \!\! 88 \ , \ x = \!\! 94 \ , \ y = \!\! 0 \ , \ v = \!\! 528 \\ w = \!\! 14 \ , \ h = \!\! 31 \ , \ x = \!\! 80 \ , \ y = \!\! 66 \ , \ v = \!\! 434 \end{array}$$



$$w$$
 =37 ,  $h$  =94 ,  $x$  =0 ,  $y$  =0 ,  $v$  =3478

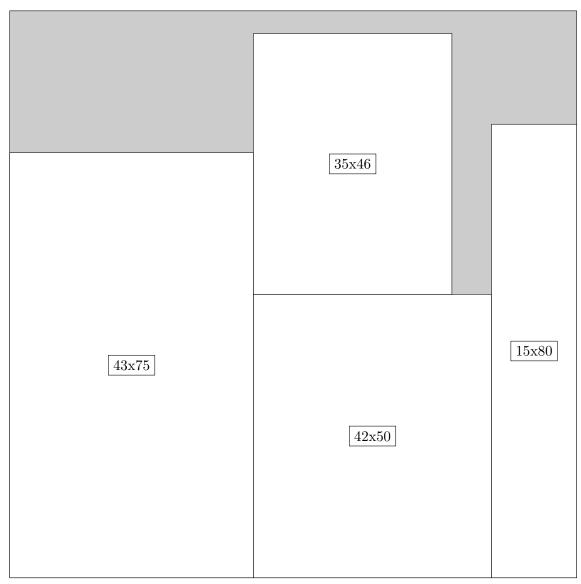
$$\le =30$$
 , h =98 , x =37 , y =0 , v =2940

$$\le =33$$
 ,  $h$  =77 ,  $x$  =67 ,  $y$  =0 ,  $v$  =2541



$$\begin{array}{l} w = \!\! 34 \ , \ h = \!\! 91 \ , \ x = \!\! 42 \ , \ y = \!\! 0 \ , \ v = \!\! 3094 \\ w = \!\! 42 \ , \ h = \!\! 85 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 3570 \end{array}$$

$$w = 22$$
,  $h = 72$ ,  $x = 76$ ,  $y = 0$ ,  $v = 1584$ 

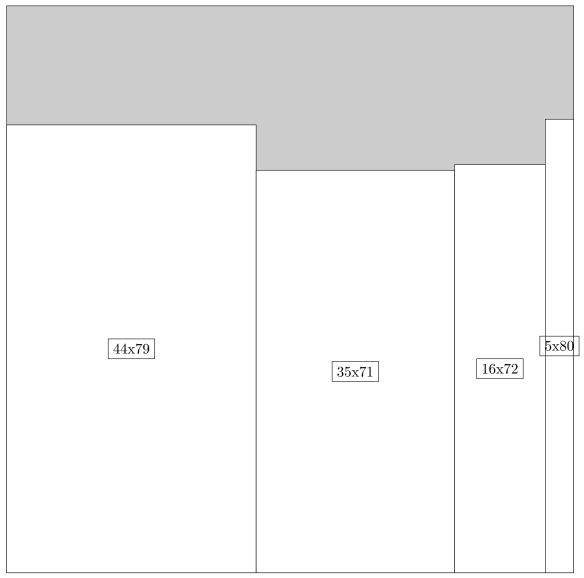


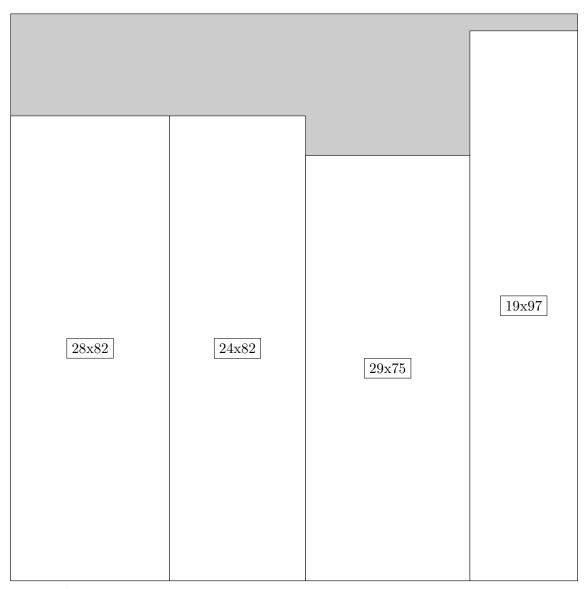
$$\le =43$$
 ,  $h$  =75 ,  $x$  =0 ,  $y$  =0 ,  $v$  =3225

$$\le =42$$
 ,  $h=\!50$  ,  $x=\!43$  ,  $y=\!0$  ,  $v=\!2100$ 

$$\le =35$$
 , h =46 , x =43 , y =50 , v =1610

$$\le =15$$
 ,  $h$  =80 ,  $x$  =85 ,  $y$  =0 ,  $v$  =1200

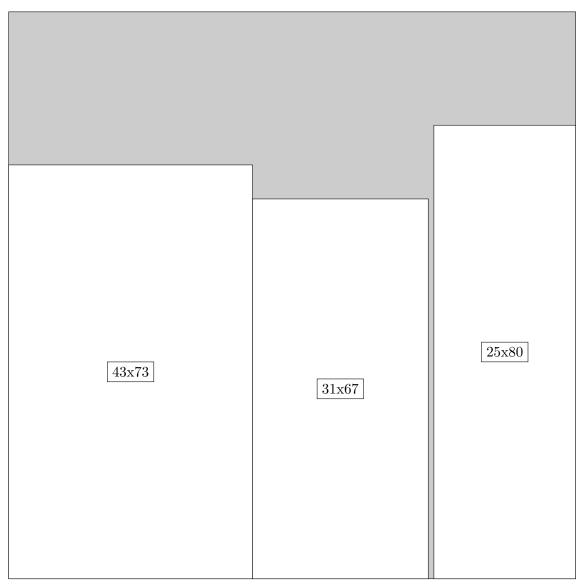




 $\begin{array}{l} w = \! 28 \ , \ h = \! 82 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 2296 \\ w = \! 29 \ , \ h = \! 75 \ , \ x = \! 52 \ , \ y = \! 0 \ , \ v = \! 2175 \end{array}$ 

 $\le =24$  , h =82 , x =28 , y =0 , v =1968

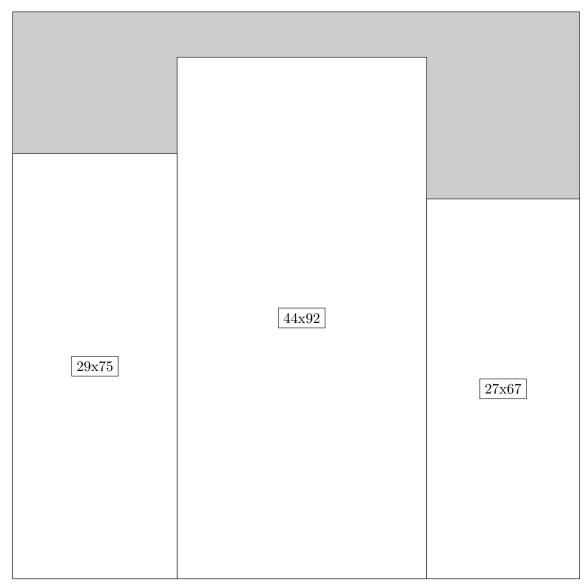
w = 19, h = 97, x = 81, y = 0, v = 1843



w = 43, h = 73, x = 0, y = 0, v = 3139

 $\le =31$  , h=67 , x=43 , y=0 , v=2077

 $\le =25$  , h =80 , x =75 , y =0 , v =2000



$$w = 44$$
 ,  $h = 92$  ,  $x = 29$  ,  $y = 0$  ,  $v = 4048$ 

$$\le =29$$
 , h =75 , x =0 , y =0 , v =2175

$$\le =27$$
 ,  $h$  =67 ,  $x$  =73 ,  $y$  =0 ,  $v$  =1809