$ClassName: {\bf Class\_05.2bp\text{-}41}$ 

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

TypeNum: <u>100</u> Num: <u>100</u> OutS: <u>290000</u> InS: <u>261774</u> Rate: <u>0.903</u> UB: <u>29</u> LB0: <u>28</u>

LB:  $\underline{\mathbf{29}}$ LBWithCut:  $\underline{\mathbf{29}}$ NodeCut:  $\underline{\mathbf{0}}$ 

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

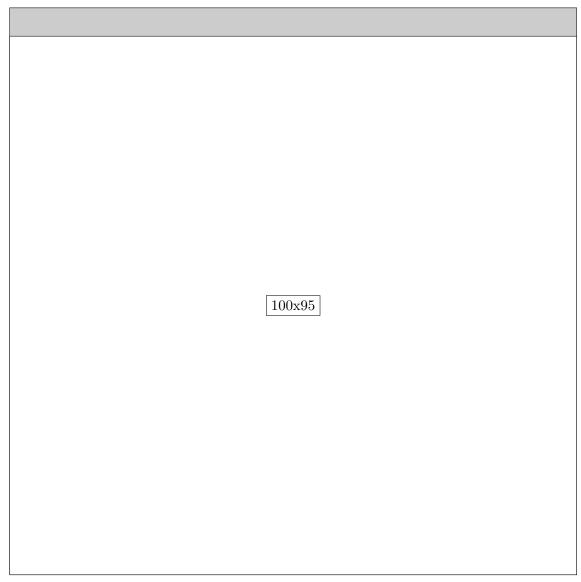
GenNodeCnt: 1
PrimalNode: 0
ColumnCount: 281
TotalCutCount: 0
RootCutCount: 0
LPSolverCnt: 253
PricingSolverCnt: 253
BranchAndBoundNum: 1

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

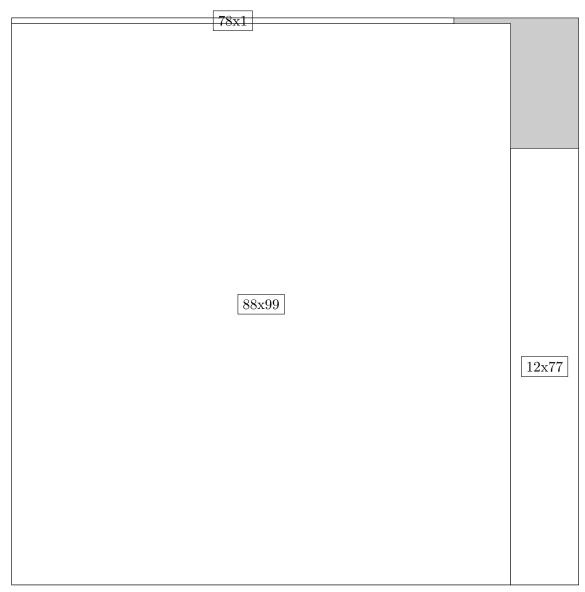
TimeOnInitSolution:  $\underline{120.020 \text{ s}}$ 

 $\begin{array}{ll} {\rm TimeOnPrimal:} \ \underline{0.000 \ s} \\ {\rm TimeOnPricing:} \ \underline{2189.783 \ s} \end{array}$ 

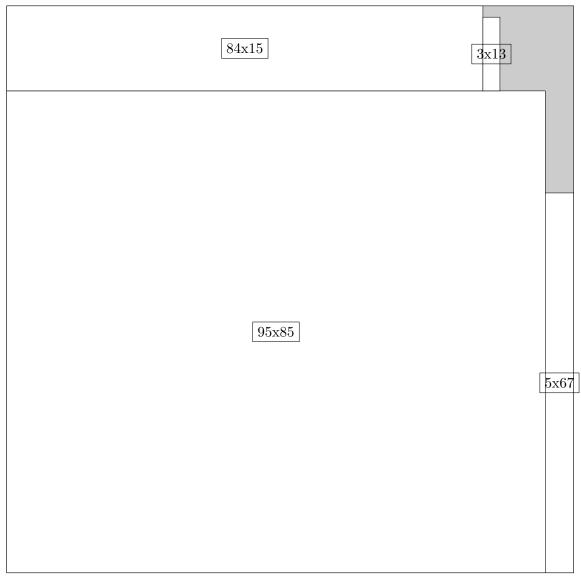
TimeOnRmp:  $\underline{0.233}$  s TotalTime:  $\underline{2310.288}$  s



 $\le =100$  , h =95 , x =0 , y =0 , v =9500



$$\begin{array}{l} w = \! 88 \; , \; h = \! 99 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 8712 \\ w = \! 12 \; , \; h = \! 77 \; , \; x = \! 88 \; , \; y = \! 0 \; , \; v = \! 924 \\ w = \! 78 \; , \; h = \! 1 \; , \; x = \! 0 \; , \; y = \! 99 \; , \; v = \! 78 \end{array}$$

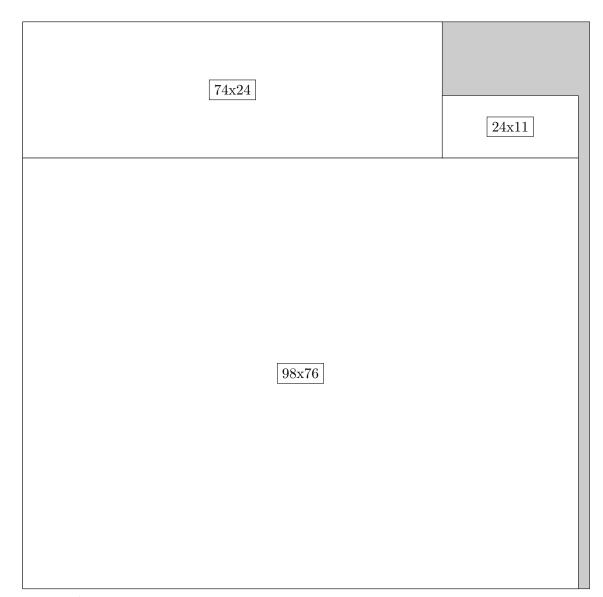


$$\le =95$$
 ,  $h=85$  ,  $x=0$  ,  $y=0$  ,  $v=8075$ 

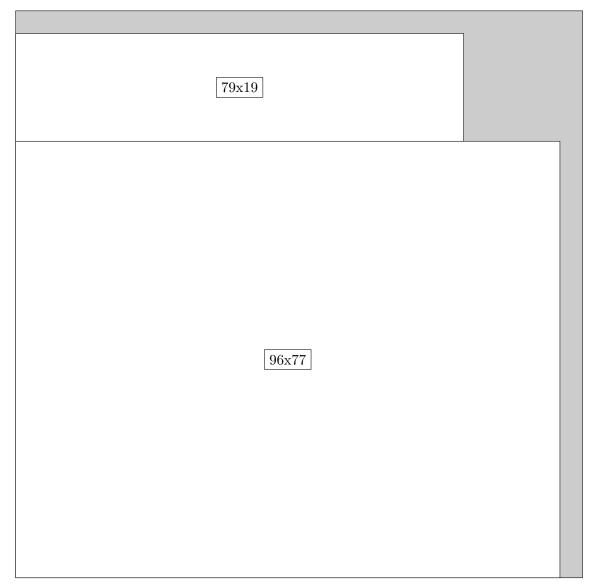
$$\le =84$$
 ,  $h$  =15 ,  $x$  =0 ,  $y$  =85 ,  $v$  =1260

$$w$$
 =5 , h =67 , x =95 , y =0 , v =335

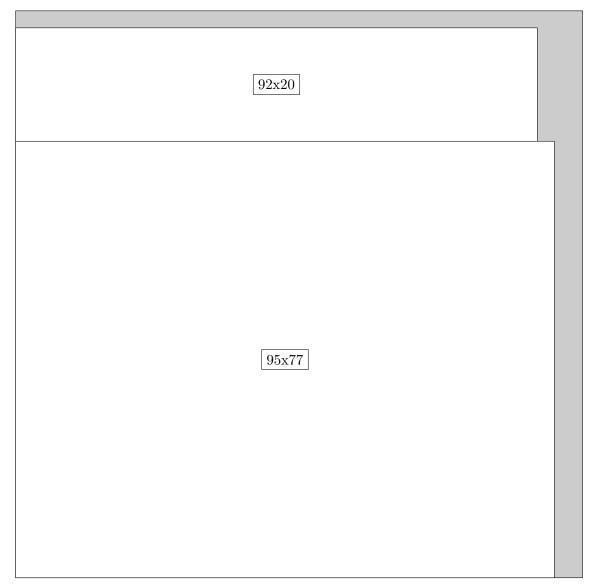
$$w$$
 =3 , h =13 , x =84 , y =85 , v =39

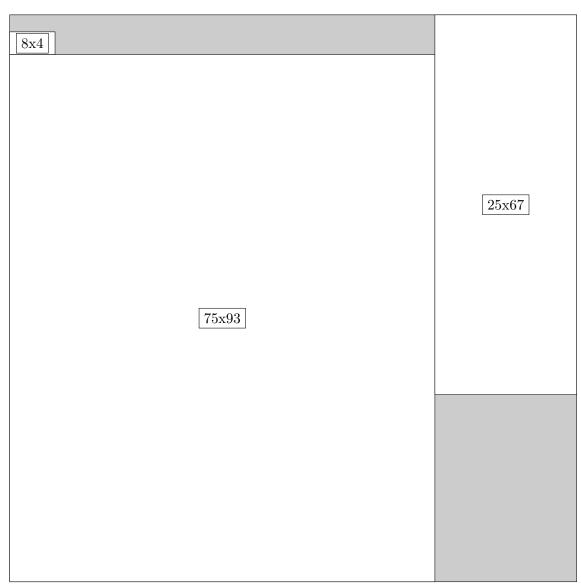


$$\begin{array}{l} w = \! 98 \ , \ h = \! 76 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 7448 \\ w = \! 74 \ , \ h = \! 24 \ , \ x = \! 0 \ , \ y = \! 76 \ , \ v = \! 1776 \end{array}$$

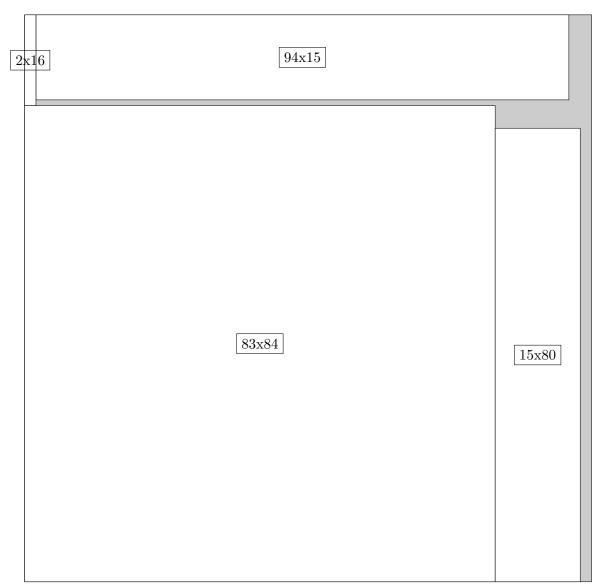


$$\begin{array}{c} w = 96 \; , \; h = 77 \; , \; x = 0 \; , \; y = 0 \; , \; v = 7392 \\ w = 79 \; , \; h = 19 \; , \; x = 0 \; , \; y = 77 \; , \; v = 1501 \\ \end{array}$$





$$\begin{array}{l} w = \!\! 75 \ , \ h = \!\! 93 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 6975 \\ w = \!\! 25 \ , \ h = \!\! 67 \ , \ x = \!\! 75 \ , \ y = \!\! 33 \ , \ v = \!\! 1675 \\ w = \!\! 8 \ , \ h = \!\! 4 \ , \ x = \!\! 0 \ , \ y = \!\! 93 \ , \ v = \!\! 32 \end{array}$$



$$w = 83$$
,  $h = 84$ ,  $x = 0$ ,  $y = 0$ ,  $v = 6972$ 

$$\le =94$$
 ,  $h$  =15 ,  $x$  =2 ,  $y$  =85 ,  $v$  =1410

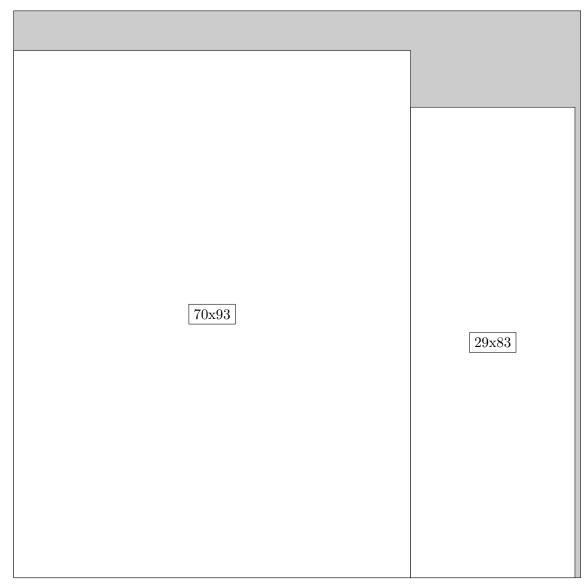
$$\le =15$$
 , h =80 , x =83 , y =0 , v =1200

$$\mathbf{w}$$
 =2 , h =16 , x =0 , y =84 , v =32

87x30	13x19
99x70	

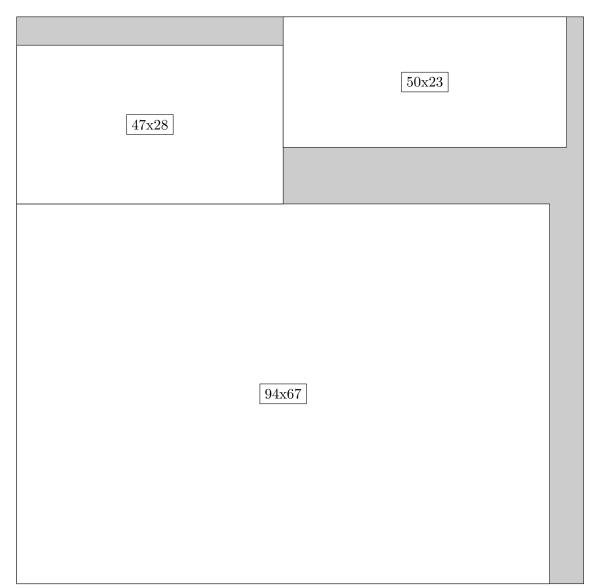
$$\begin{array}{l} w = \! 99 \ , \ h = \! 70 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 6930 \\ w = \! 87 \ , \ h = \! 30 \ , \ x = \! 0 \ , \ y = \! 70 \ , \ v = \! 2610 \end{array}$$

$$w = 13$$
,  $h = 19$ ,  $x = 87$ ,  $y = 81$ ,  $v = 247$ 





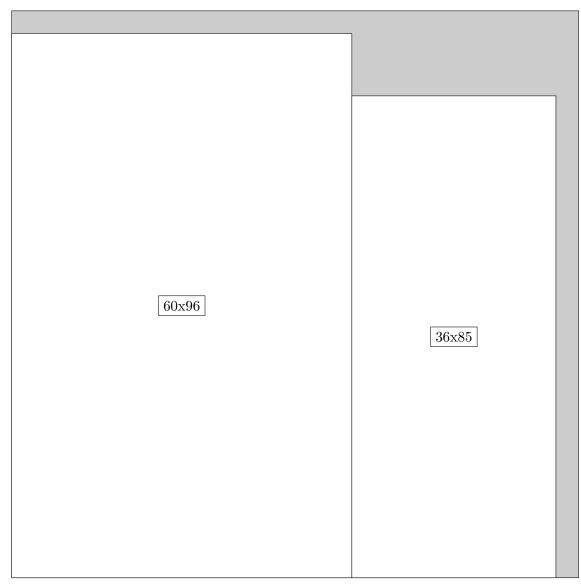
$$\begin{array}{c} w = 97 \; , \; h = 67 \; , \; x = 0 \; , \; y = 0 \; , \; v = 6499 \\ w = 76 \; , \; h = 26 \; , \; x = 0 \; , \; y = 67 \; , \; v = 1976 \\ \end{array}$$

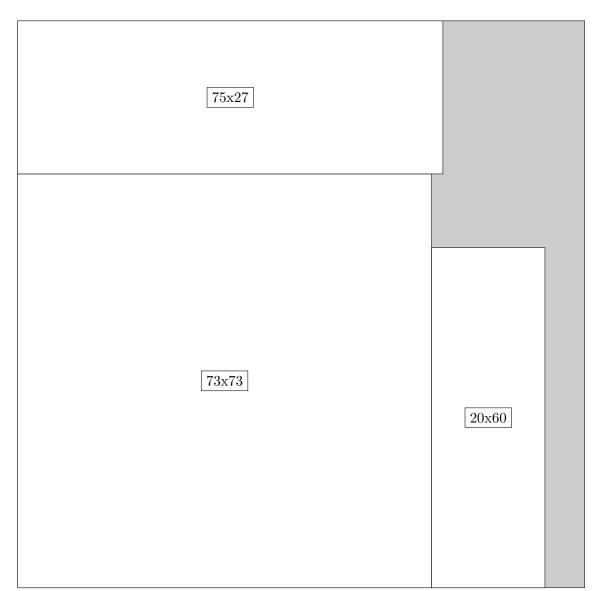


$$\le =94$$
 , h =67 , x =0 , y =0 , v =6298

$$\le =47$$
 , h =28 , x =0 , y =67 , v =1316

$$\le =50$$
 , h =23 , x =47 , y =77 , v =1150

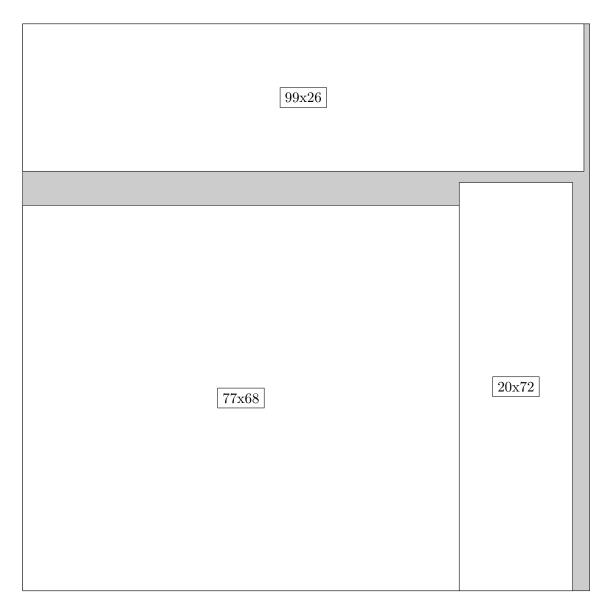




$$\le =73$$
 , h =73 , x =0 , y =0 , v =5329

$$\le =75$$
 , h =27 , x =0 , y =73 , v =2025

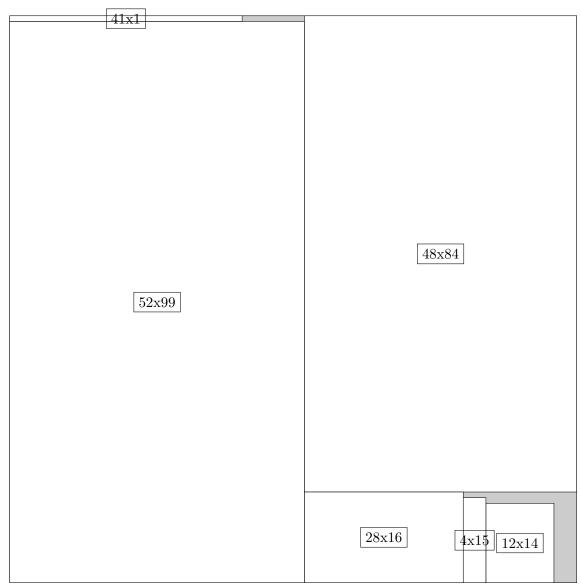
$$\le =20$$
 ,  $h=\!60$  ,  $x=\!73$  ,  $y=\!0$  ,  $v=\!1200$ 



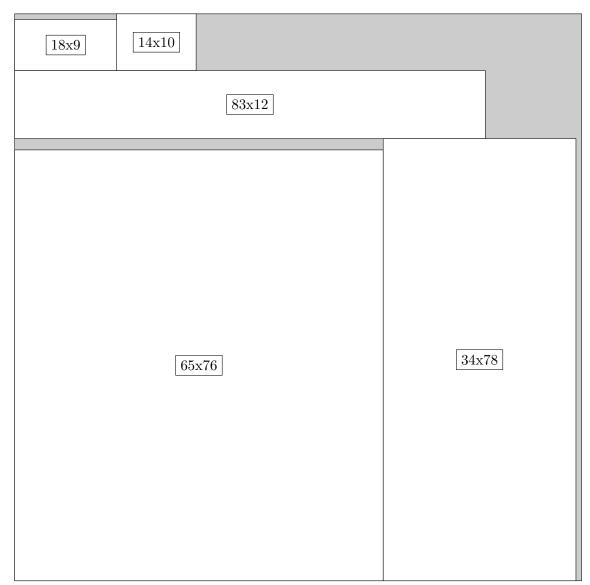
$$w = 77$$
,  $h = 68$ ,  $x = 0$ ,  $y = 0$ ,  $v = 5236$ 

$$\le =99$$
 , h =26 , x =0 , y =74 , v =2574

$$\le =20$$
 , h =72 , x =77 , y =0 , v =1440



$$\begin{array}{l} w=52\;,\; h=99\;,\; x=0\;,\; y=0\;,\; v=5148\\ w=48\;,\; h=84\;,\; x=52\;,\; y=16\;,\; v=4032\\ w=28\;,\; h=16\;,\; x=52\;,\; y=0\;,\; v=448\\ w=12\;,\; h=14\;,\; x=84\;,\; y=0\;,\; v=168\\ w=4\;,\; h=15\;,\; x=80\;,\; y=0\;,\; v=60\\ w=41\;,\; h=1\;,\; x=0\;,\; y=99\;,\; v=41 \end{array}$$



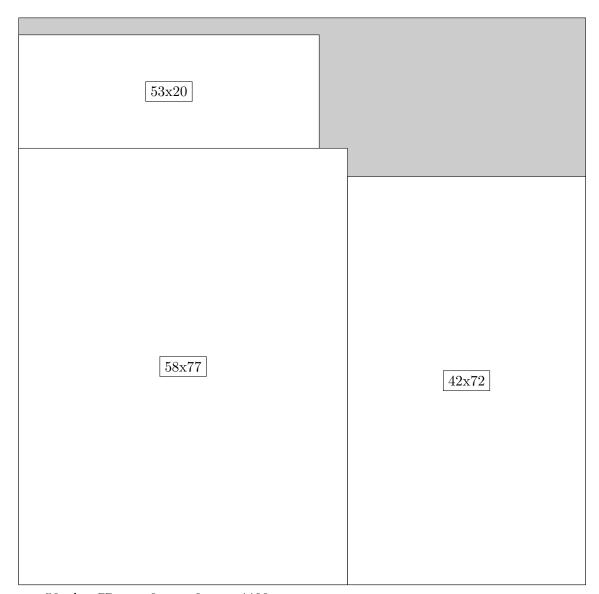
$$\mathbf{w}$$
 =65 , h =76 , x =0 , y =0 , v =4940

$$\le =34$$
 ,  $h$  =78 ,  $x$  =65 ,  $y$  =0 ,  $v$  =2652

$$\le =83$$
 ,  $h$  =12 ,  $x$  =0 ,  $y$  =78 ,  $v$  =996

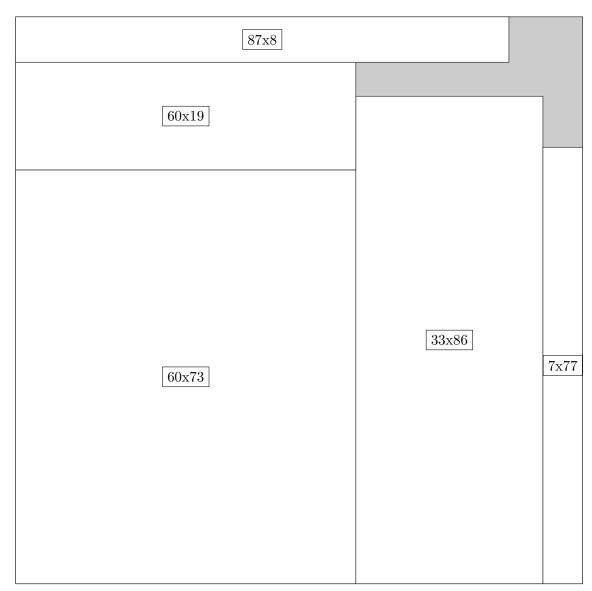
$$\le =18$$
 ,  $h$  =9 ,  $x$  =0 ,  $y$  =90 ,  $v$  =162

$$w=\!14$$
 ,  $h=\!10$  ,  $x=\!18$  ,  $y=\!90$  ,  $v=\!140$ 



$$w=\!58$$
 ,  $h=\!77$  ,  $x=\!0$  ,  $y=\!0$  ,  $v=\!4466$   $w=\!42$  ,  $h=\!72$  ,  $x=\!58$  ,  $y=\!0$  ,  $v=\!3024$ 

$$w = 53$$
,  $h = 20$ ,  $x = 0$ ,  $y = 77$ ,  $v = 1060$ 



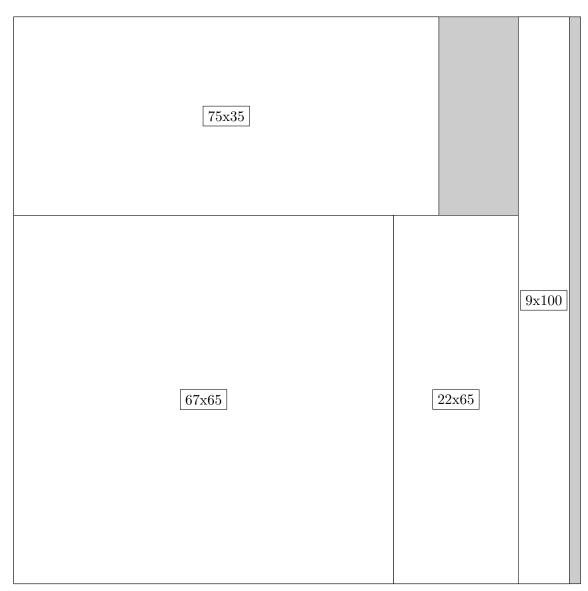
$$\mathbf{w}$$
 =60 , h =73 , x =0 , y =0 , v =4380

$$\le =33$$
 , h =86 , x =60 , y =0 , v =2838

$$\le =60$$
 ,  $h$  =19 ,  $x$  =0 ,  $y$  =73 ,  $v$  =1140

$$\le =87$$
 , h =8 , x =0 , y =92 , v =696

$$w = 7$$
,  $h = 77$ ,  $x = 93$ ,  $y = 0$ ,  $v = 539$ 

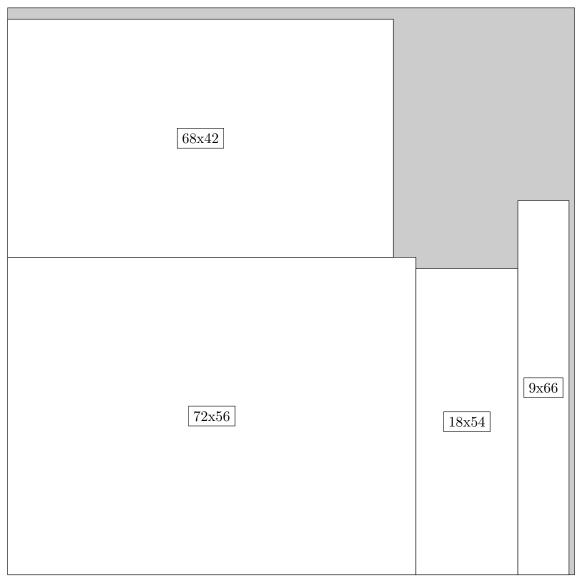


$$\mathbf{w}$$
 =67 ,  $\mathbf{h}$  =65 ,  $\mathbf{x}$  =0 ,  $\mathbf{y}$  =0 ,  $\mathbf{v}$  =4355

$$\le -75$$
 , h =  
35 , x =0 , y =  
65 , v =  
2625

$$\le =22$$
 , h =65 , x =67 , y =0 , v =1430

$$\le =9$$
 , h =100 , x =89 , y =0 , v =900



$$\le -72$$
 , h =  
56 , x =  
0 , y =  
0 , v =  
4032

$$\le =68$$
 , h =42 , x =0 , y =  
56 , v =2856

$$\le =18$$
 , h =  
54 , x =  
72 , y =  
0 , v =  
972

$$w=9$$
 ,  $h=\!66$  ,  $x=\!90$  ,  $y=\!0$  ,  $v=\!594$ 

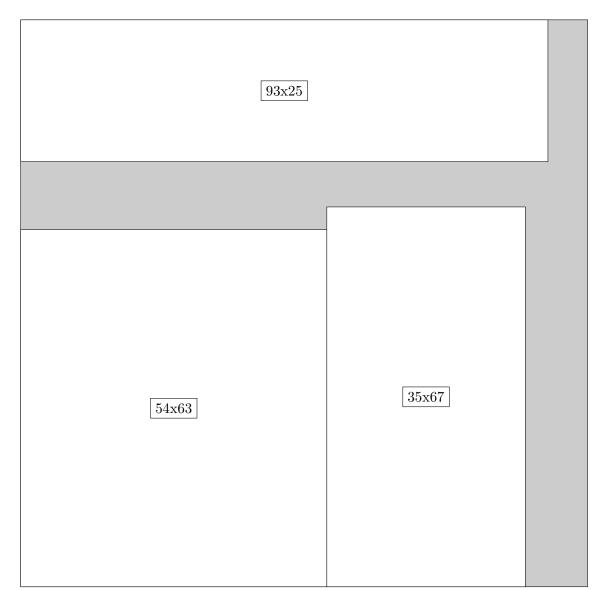


$$\le =59$$
 , h =64 , x =0 , y =0 , v =3776

$$\le =96$$
 , h =36 , x =0 , y =64 , v =3456

$$\le =22$$
 , h =64 , x =59 , y =0 , v =1408

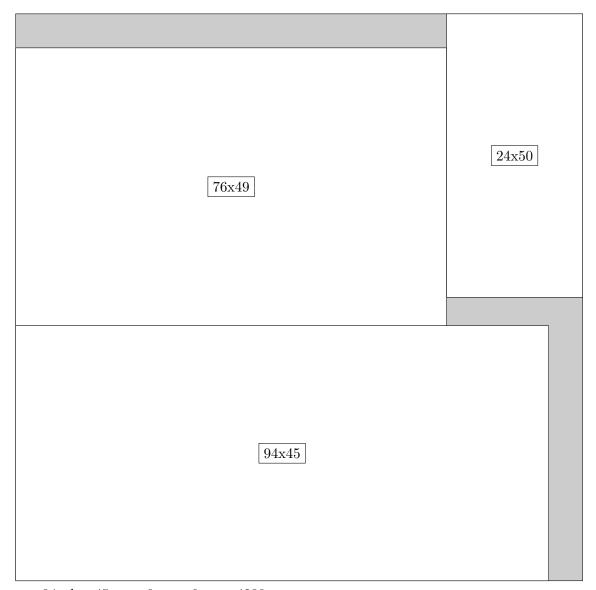
$$\mathbf{w}$$
 =19 , h =18 , x =81 , y =0 , v =342



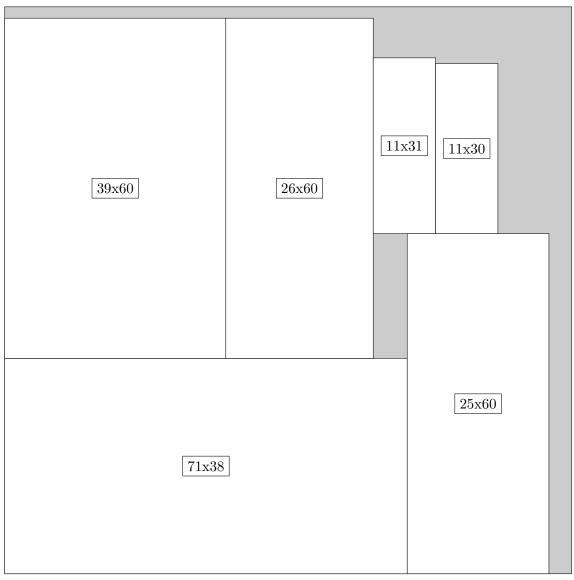
$$\le 54$$
 , h =63 , x =0 , y =0 , v =3402

$$\le =35$$
 , h =67 , x =54 , y =0 , v =2345

$$\le =93$$
 , h =25 , x =0 , y =75 , v =2325



$$\le =24$$
 , h =50 , x =76 , y =50 , v =1200



$$\mathbf{w}$$
 =71 , h =38 , x =0 , y =0 , v =2698

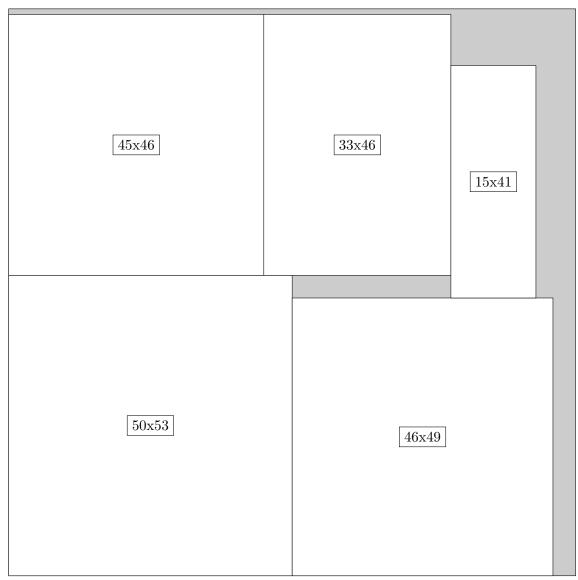
$$\le =39$$
 ,  $= =60$  ,  $= =0$  ,  $= = =38$  ,  $= = = = =340$ 

$$\le =26$$
 ,  $h$  =60 ,  $x$  =39 ,  $y$  =38 ,  $v$  =1560

$$\le =25$$
 , h =60 , x =71 , y =0 , v =1500

$$w=\!11$$
 ,  $h=\!31$  ,  $x=\!65$  ,  $y=\!60$  ,  $v=\!341$ 

$$w=\!11$$
 ,  $h=\!30$  ,  $x=\!76$  ,  $y=\!60$  ,  $v=\!330$ 



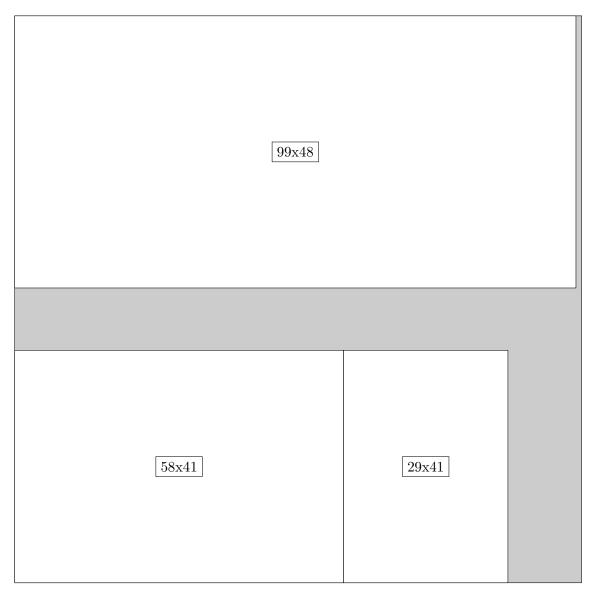
$$\mathbf{w}$$
 =50 , h =53 , x =0 , y =0 , v =2650

$$\le =46$$
 , h =49 , x =50 , y =0 , v =2254

$$\le =45$$
 , h =46 , x =0 , y =53 , v =2070

$$\le =33$$
 , h =46 , x =45 , y =53 , v =1518

$$w$$
 =15 , h =41 , x =78 , y =49 , v =615



$$w = 99$$
,  $h = 48$ ,  $x = 0$ ,  $y = 52$ ,  $v = 4752$ 

$$\le 58$$
 , h =41 , x =0 , y =0 , v =2378

$$\le =29$$
 , h =41 , x =58 , y =0 , v =1189

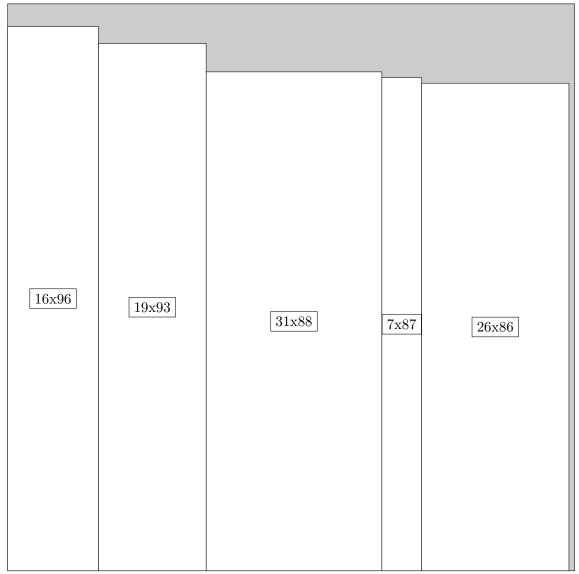


$$\le =97$$
 ,  $h=47$  ,  $x=0$  ,  $y=0$  ,  $v=4559$ 

$$\le =56$$
 , h =39 , x =0 , y =47 , v =2184

$$\le =51$$
 , h =13 , x =0 , y =86 , v =663

$$\le =37$$
 , h =29 , x =56 , y =47 , v =1073



$$\begin{array}{l} w = & 31 \ , \ h = & 88 \ , \ x = & 35 \ , \ y = & 0 \ , \ v = & 2728 \\ w = & 26 \ , \ h = & 86 \ , \ x = & 73 \ , \ y = & 0 \ , \ v = & 2236 \\ w = & 19 \ , \ h = & 93 \ , \ x = & 16 \ , \ y = & 0 \ , \ v = & 1767 \\ w = & 16 \ , \ h = & 96 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 1536 \\ w = & 7 \ , \ h = & 87 \ , \ x = & 66 \ , \ y = & 0 \ , \ v = & 609 \end{array}$$