$ClassName: \ Class\_07.2bp-46$ 

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

TypeNum: <u>100</u> Num: <u>100</u> OutS: <u>270000</u> InS: <u>228126</u> Rate: <u>0.845</u> UB: <u>27</u> LB0: <u>27</u>

LBWithCut: **27** NodeCut: **0** 

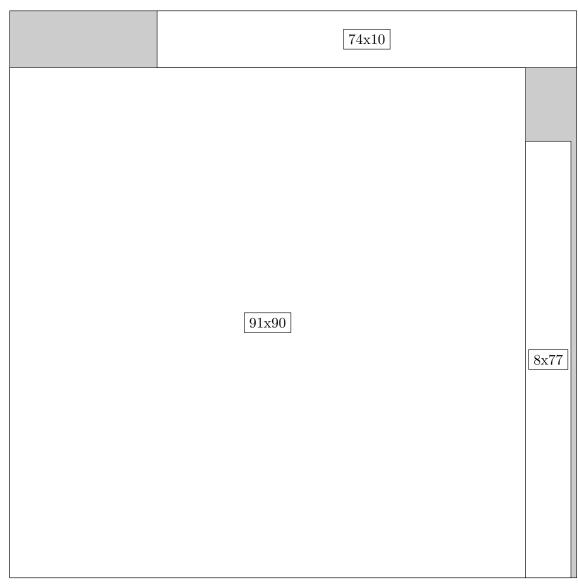
LB: **27** 

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

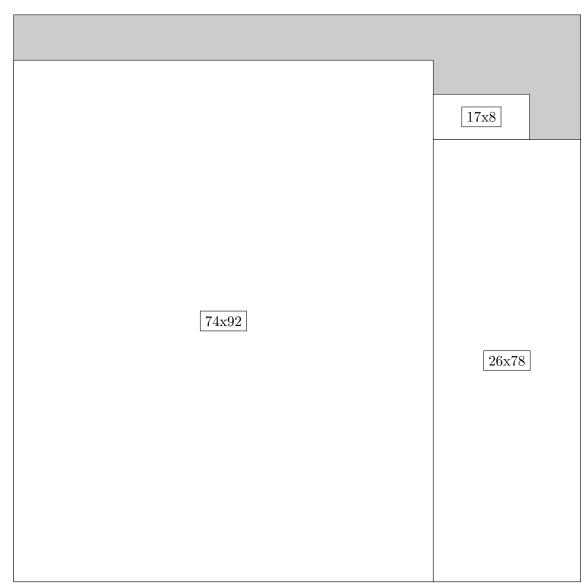
GenNodeCnt:  $\underline{\mathbf{1}}$ PrimalNode:  $\underline{\mathbf{0}}$ ColumnCount:  $\underline{\mathbf{27}}$ TotalCutCount:  $\underline{\mathbf{0}}$ RootCutCount:  $\underline{\mathbf{0}}$ LPSolverCnt:  $\underline{\mathbf{1}}$ PricingSolverCnt:  $\underline{\mathbf{0}}$ BranchAndBoundNum:  $\underline{\mathbf{1}}$ 

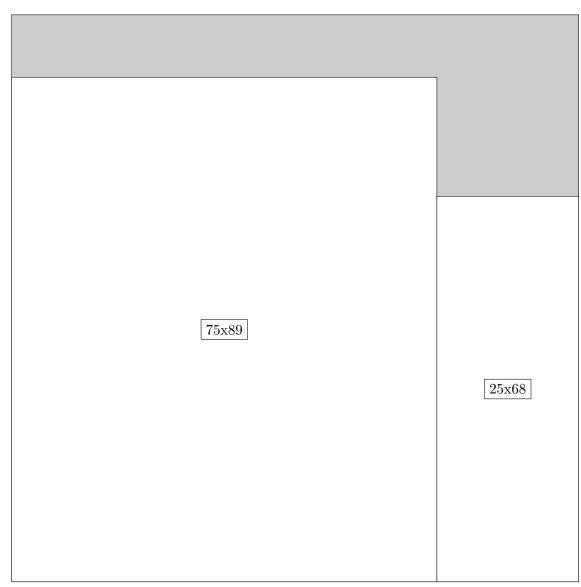
isOpt:  $\underline{\mathbf{true}}$ 

 $\begin{array}{ll} {\rm TimeOnInitSolution:} \ \underline{0.230 \ s} \\ {\rm TimeOnPrimal:} \ \underline{0.000 \ s} \\ {\rm TimeOnPricing:} \ \underline{0.000 \ s} \\ {\rm TimeOnRmp:} \ \underline{0.063 \ s} \\ {\rm TotalTime:} \ \underline{0.355 \ s} \\ \end{array}$ 



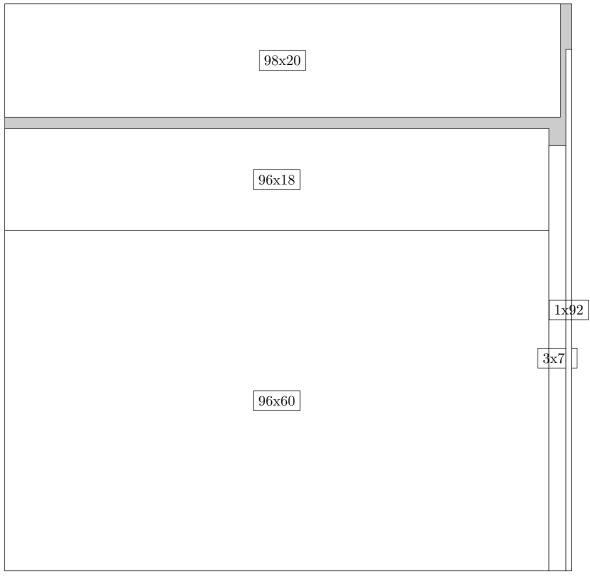
$$\begin{array}{l} w = \! 91 \; , \; h = \! 90 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 8190 \\ w = \! 74 \; , \; h = \! 10 \; , \; x = \! 26 \; , \; y = \! 90 \; , \; v = \! 740 \\ w = \! 8 \; , \; h = \! 77 \; , \; x = \! 91 \; , \; y = \! 0 \; , \; v = \! 616 \end{array}$$





68x91 32x90	

$$\begin{array}{l} w = 68 \; , \; h = 91 \; , \; x = 0 \; , \; y = 0 \; , \; v = 6188 \\ w = 32 \; , \; h = 90 \; , \; x = 68 \; , \; y = 0 \; , \; v = 2880 \\ w = 12 \; , \; h = 9 \; , \; x = 0 \; , \; y = 91 \; , \; v = 108 \end{array}$$



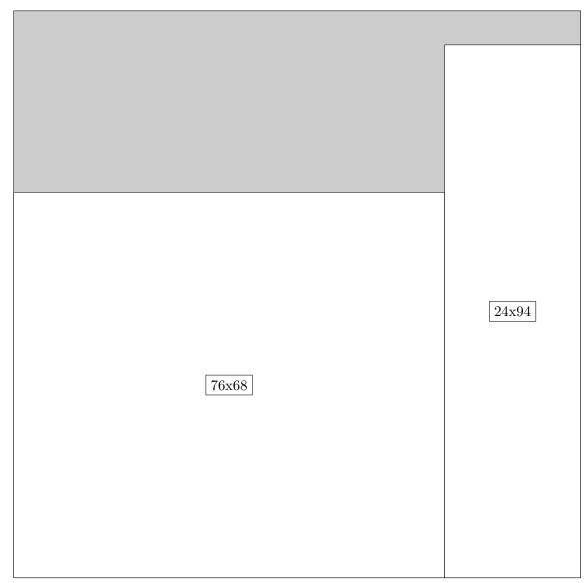
$$w = 96 \ , \ h = 60 \ , \ x = 0 \ , \ y = 0 \ , \ v = 5760$$

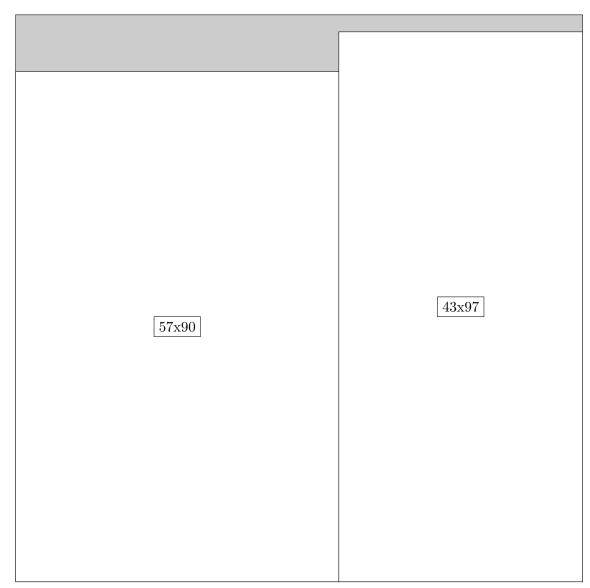
$$\le =98$$
 , h =20 , x =0 , y =80 , v =1960

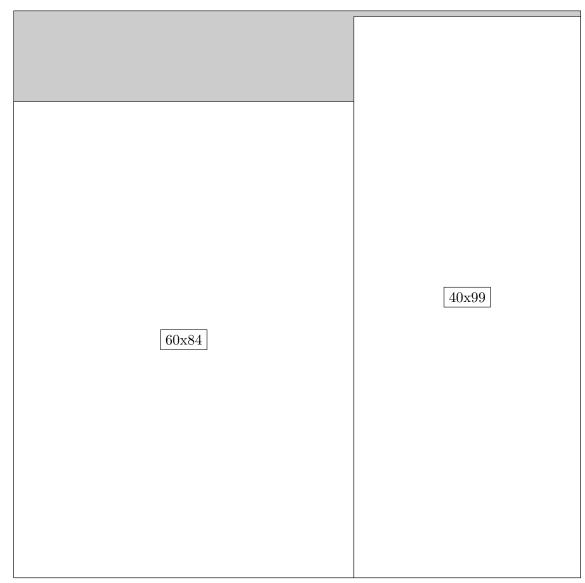
$$\le =96$$
 , h =18 , x =0 , y =60 , v =1728

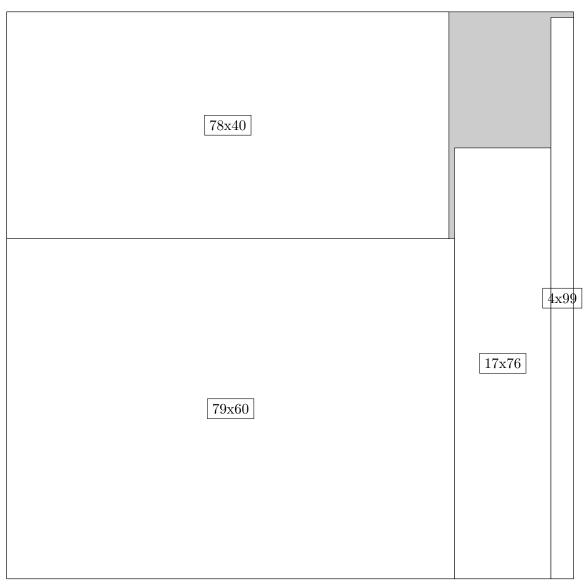
$$\le =3$$
 , h =75 , x =96 , y =0 , v =225

$$\mathbf{w}$$
 =1 , h =92 , x =99 , y =0 , v =92

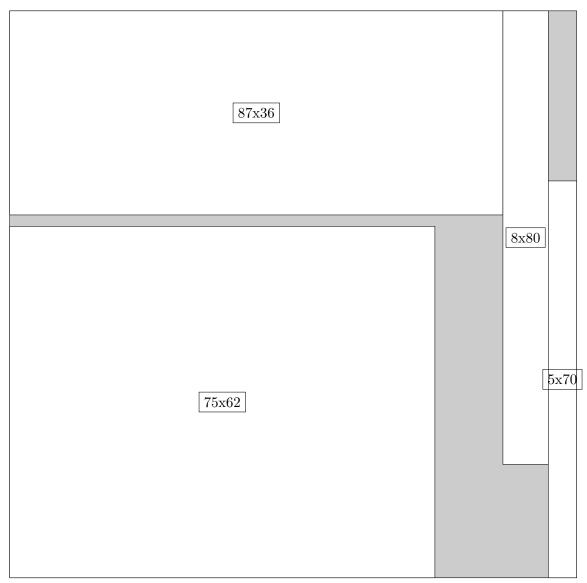




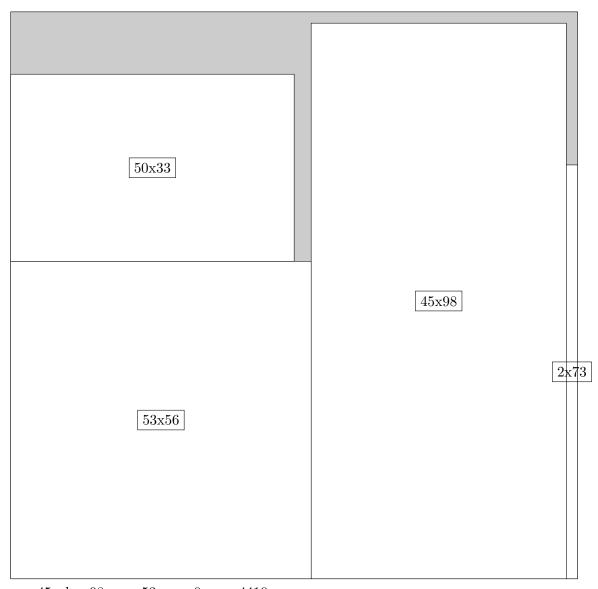




$$\begin{array}{l} w = 79 \ , \ h = 60 \ , \ x = 0 \ , \ y = 0 \ , \ v = 4740 \\ w = 78 \ , \ h = 40 \ , \ x = 0 \ , \ y = 60 \ , \ v = 3120 \\ w = 17 \ , \ h = 76 \ , \ x = 79 \ , \ y = 0 \ , \ v = 1292 \\ w = 4 \ , \ h = 99 \ , \ x = 96 \ , \ y = 0 \ , \ v = 396 \end{array}$$



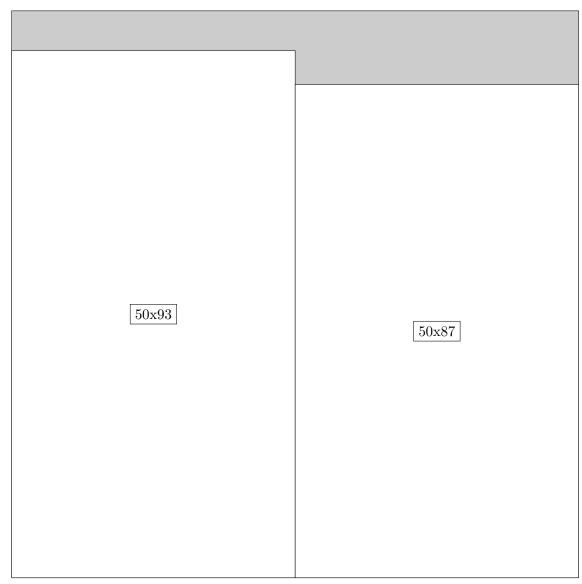
 $\begin{array}{l} w = \!\! 75 \ , \ h = \!\! 62 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 4650 \\ w = \!\! 87 \ , \ h = \!\! 36 \ , \ x = \!\! 0 \ , \ y = \!\! 64 \ , \ v = \!\! 3132 \\ w = \!\! 8 \ , \ h = \!\! 80 \ , \ x = \!\! 87 \ , \ y = \!\! 20 \ , \ v = \!\! 640 \\ w = \!\! 5 \ , \ h = \!\! 70 \ , \ x = \!\! 95 \ , \ y = \!\! 0 \ , \ v = \!\! 350 \end{array}$ 

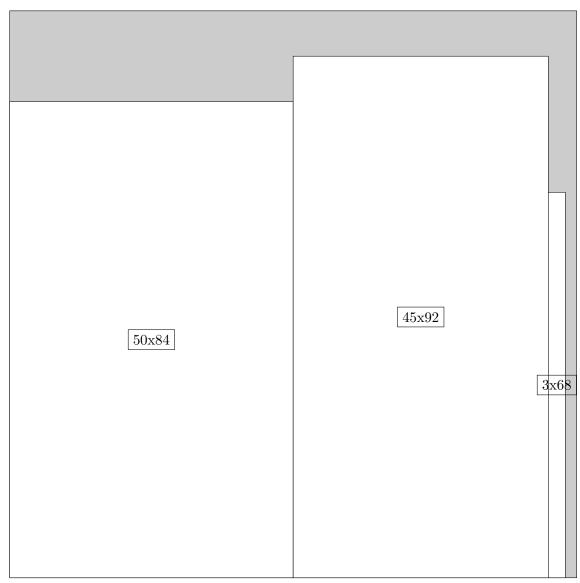


 $\begin{array}{c} w = \!\! 45 \ , \ h = \!\! 98 \ , \ x = \!\! 53 \ , \ y = \!\! 0 \ , \ v = \!\! 4410 \\ w = \!\! 53 \ , \ h = \!\! 56 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 2968 \end{array}$ 

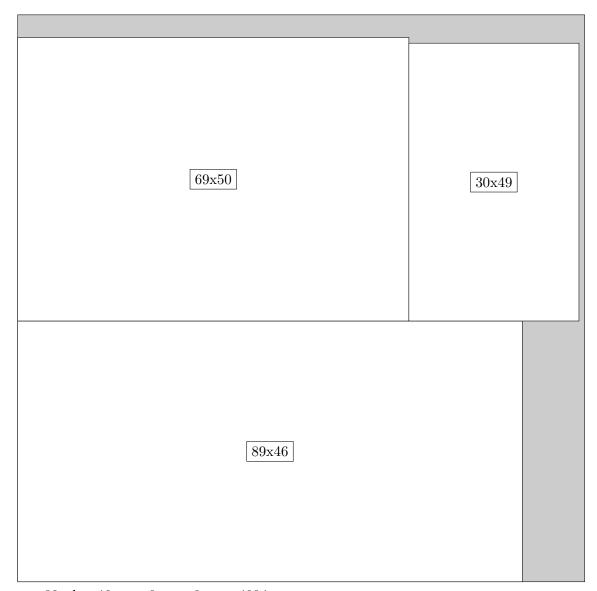
w = 50, h = 33, x = 0, y = 56, v = 1650

 $\mathbf{w}$  =2 , h =73 , x =98 , y =0 , v =146





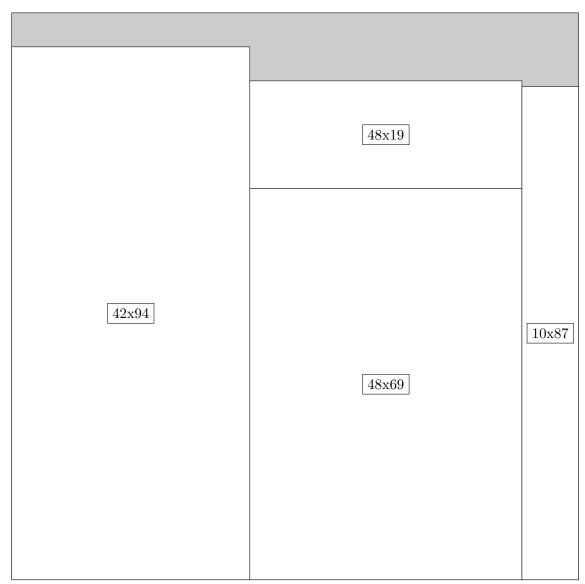
 $\begin{array}{l} w = \!\! 50 \ , \ h = \!\! 84 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 4200 \\ w = \!\! 45 \ , \ h = \!\! 92 \ , \ x = \!\! 50 \ , \ y = \!\! 0 \ , \ v = \!\! 4140 \\ w = \!\! 3 \ , \ h = \!\! 68 \ , \ x = \!\! 95 \ , \ y = \!\! 0 \ , \ v = \!\! 204 \end{array}$ 



$$\le =89$$
 , h =46 , x =0 , y =0 , v =4094

$$\le =69$$
 , h =50 , x =0 , y =46 , v =3450

$$\le =30$$
 , h =49 , x =69 , y =46 , v =1470

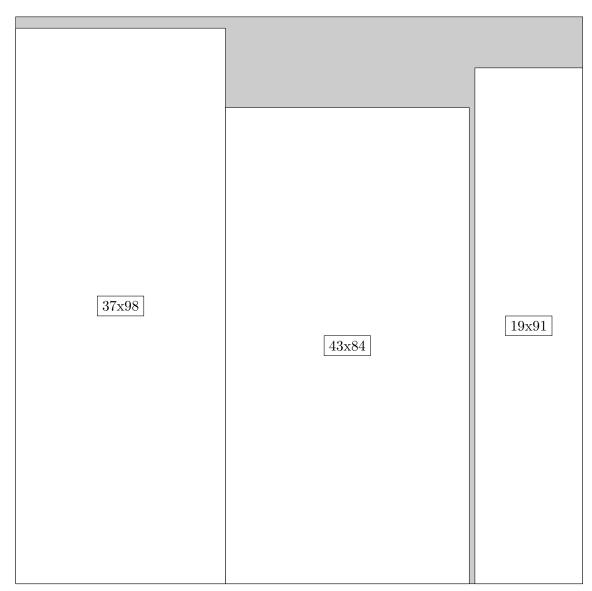


$$\le =42$$
 ,  $h=94$  ,  $x=0$  ,  $y=0$  ,  $v=3948$ 

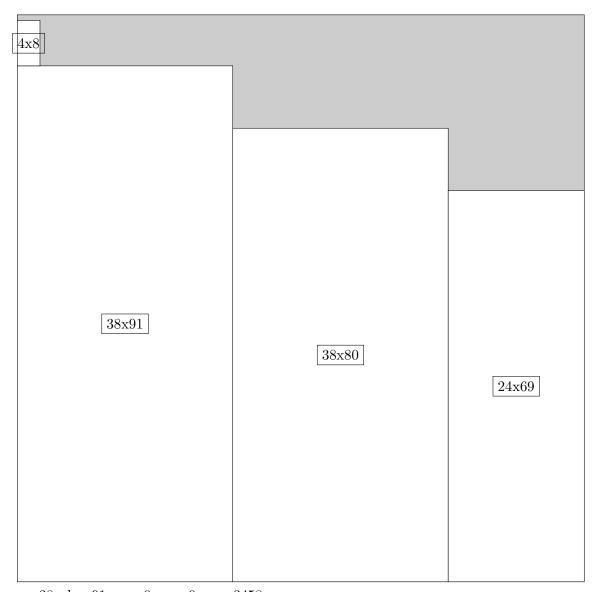
$$\le =48$$
 , h =69 , x =42 , y =0 , v =3312

$$\le =48$$
 ,  $h$  =19 ,  $x$  =42 ,  $y$  =69 ,  $v$  =912

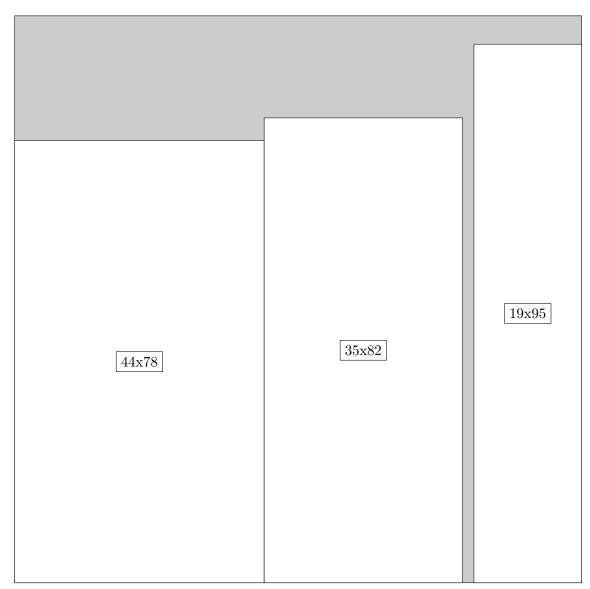
$$\mathbf{w}$$
 =10 , h =87 , x =90 , y =0 , v =870



 $\begin{array}{l} w = & 37 \ , \ h = & 98 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 3626 \\ w = & 43 \ , \ h = & 84 \ , \ x = & 37 \ , \ y = & 0 \ , \ v = & 3612 \\ w = & 19 \ , \ h = & 91 \ , \ x = & 81 \ , \ y = & 0 \ , \ v = & 1729 \end{array}$ 



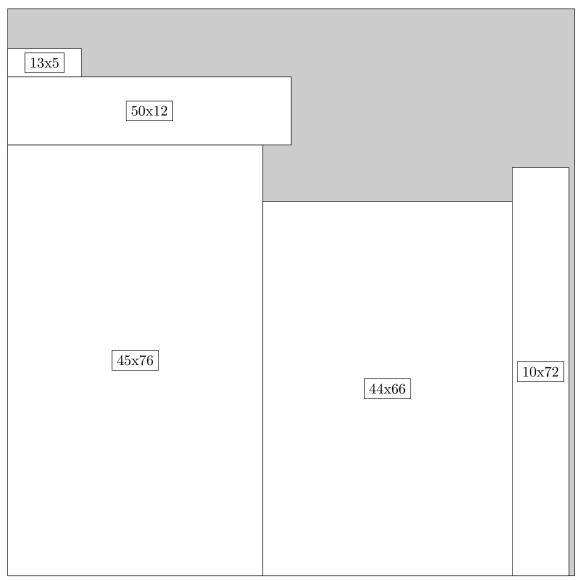
$$\begin{array}{l} w = & 38 \ , \ h = & 91 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 3458 \\ w = & 38 \ , \ h = & 80 \ , \ x = & 38 \ , \ y = & 0 \ , \ v = & 3040 \\ w = & 24 \ , \ h = & 69 \ , \ x = & 76 \ , \ y = & 0 \ , \ v = & 1656 \\ w = & 4 \ , \ h = & 8 \ , \ x = & 0 \ , \ y = & 91 \ , \ v = & 32 \end{array}$$



$$w = 44$$
,  $h = 78$ ,  $x = 0$ ,  $y = 0$ ,  $v = 3432$ 

$$\le =35$$
 , h =82 , x =44 , y =0 , v =2870

$$w$$
 =19 ,  $h$  =95 ,  $x$  =81 ,  $y$  =0 ,  $v$  =1805



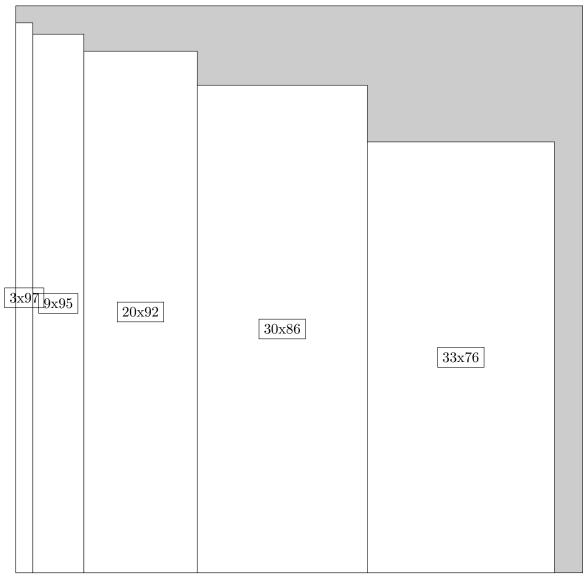
$$\mathbf{w}$$
 =45 , h =76 , x =0 , y =0 , v =3420

$$\le =44$$
 ,  $h=\!66$  ,  $x=\!45$  ,  $y=\!0$  ,  $v=\!2904$ 

$$\le =13$$
 , h =5 , x =0 , y =88 , v =65

$$\mathbf{w}$$
 =10 , h =72 , x =89 , y =0 , v =720

$$\mathbf{w}$$
 =50 , h =12 , x =0 , y =76 , v =600



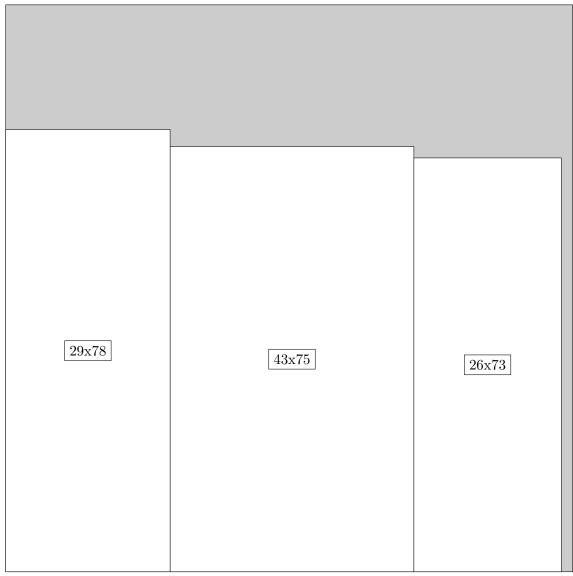
w = 30, h = 86, x = 32, y = 0, v = 2580

 $\le =33$  , h=76 , x=62 , y=0 , v=2508

 $\le =20$  , h =92 , x =12 , y =0 , v =1840

 $\le =9$  , h = 95 , x = 3 , y = 0 , v = 855

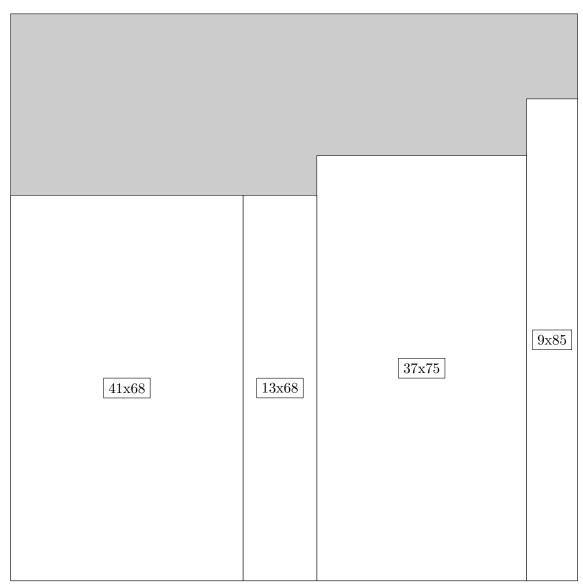
 $\mathbf{w}=\!3$  ,  $\mathbf{h}=\!97$  ,  $\mathbf{x}=\!0$  ,  $\mathbf{y}=\!0$  ,  $\mathbf{v}=\!291$ 



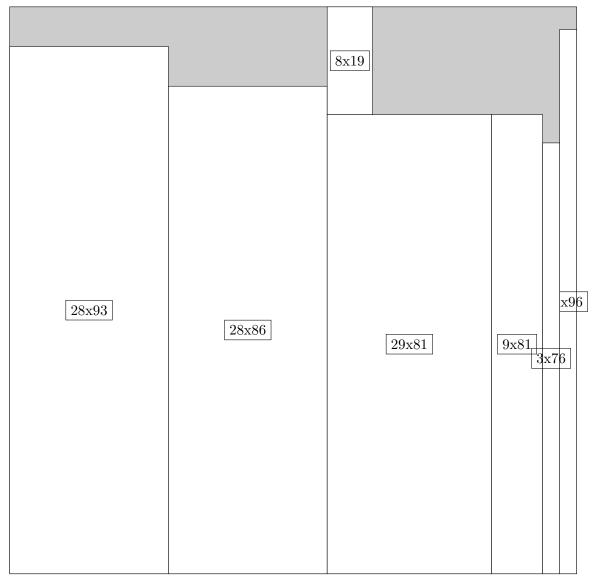
$$\le =43$$
 , h =75 , x =29 , y =0 , v =3225

$$\le =29$$
 , h =78 , x =0 , y =0 , v =2262

$$\mathbf{w}$$
 =26 , h =73 , x =72 , y =0 , v =1898



 $\begin{array}{l} w = \!\! 41 \ , \ h = \!\! 68 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 2788 \\ w = \!\! 37 \ , \ h = \!\! 75 \ , \ x = \!\! 54 \ , \ y = \!\! 0 \ , \ v = \!\! 2775 \\ w = \!\! 13 \ , \ h = \!\! 68 \ , \ x = \!\! 41 \ , \ y = \!\! 0 \ , \ v = \!\! 884 \\ w = \!\! 9 \ , \ h = \!\! 85 \ , \ x = \!\! 91 \ , \ y = \!\! 0 \ , \ v = \!\! 765 \end{array}$ 



$$w = 28$$
,  $h = 93$ ,  $x = 0$ ,  $y = 0$ ,  $v = 2604$ 

$$w$$
 =28 ,  $h$  =86 ,  $x$  =28 ,  $y$  =0 ,  $v$  =2408

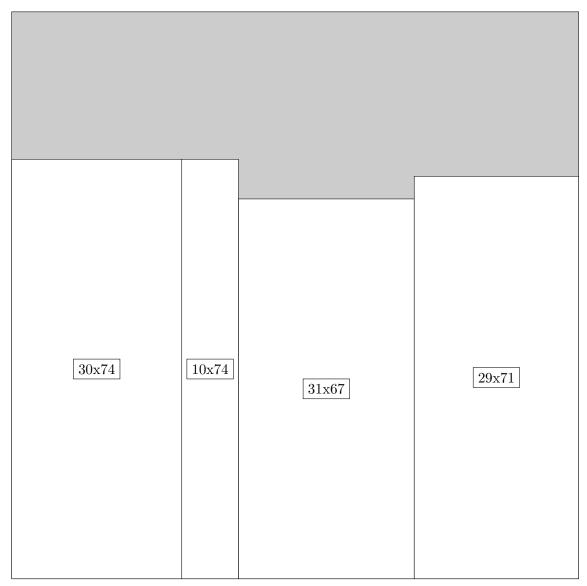
$$\le =29$$
 , h =81 , x =  
56 , y =0 , v =  
2349

$$\le =9$$
 , h =81 , x =85 , y =0 , v =729

$$\mathbf{w}$$
 =3 , h =96 , x =97 , y =0 , v =288

$$\mathbf{w}$$
 =3 , h =76 , x =94 , y =0 , v =228

$$w$$
 =8 , h =19 , x =  
56 , y =81 , v =  
152

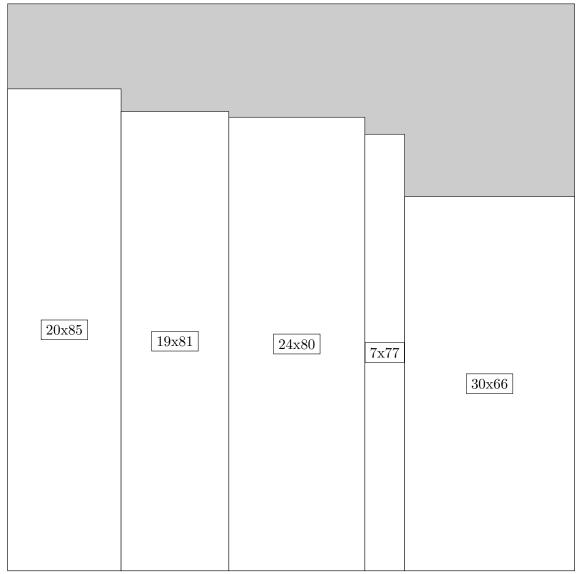


 $\le =30$  , h =74 , x =0 , y =0 , v =2220

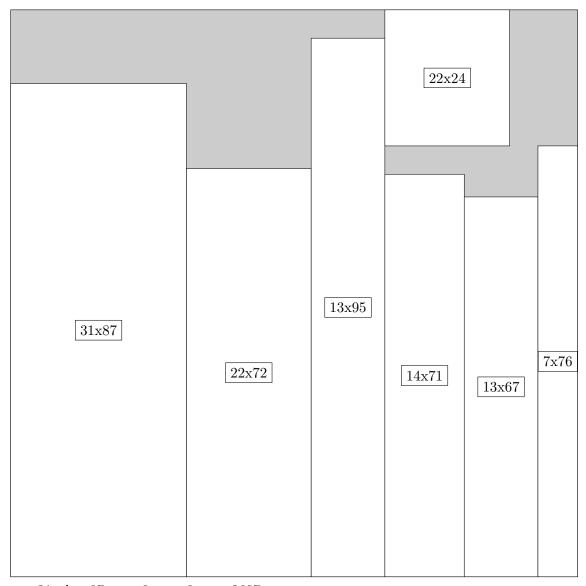
 $\le =31$  , h =67 , x =40 , y =0 , v =2077

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

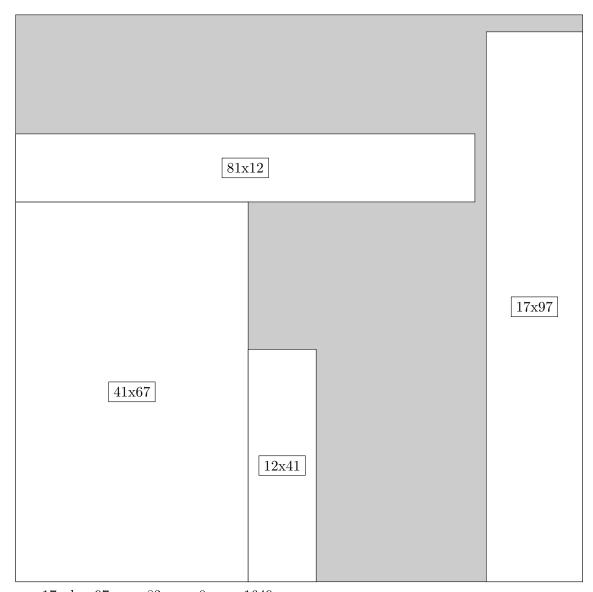
 $\mathbf{w}$  =10 , h =74 , x =30 , y =0 , v =740



$$\begin{array}{l} w = & 30 \ , \ h = & 66 \ , \ x = & 70 \ , \ y = & 0 \ , \ v = & 1980 \\ w = & 24 \ , \ h = & 80 \ , \ x = & 39 \ , \ y = & 0 \ , \ v = & 1920 \\ w = & 20 \ , \ h = & 85 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 1700 \\ w = & 19 \ , \ h = & 81 \ , \ x = & 20 \ , \ y = & 0 \ , \ v = & 1539 \\ w = & 7 \ , \ h = & 77 \ , \ x = & 63 \ , \ y = & 0 \ , \ v = & 539 \end{array}$$



$$\begin{array}{l} w = & 31 \;, \; h = & 87 \;, \; x = & 0 \;, \; y = & 0 \;, \; v = & 2697 \\ w = & 22 \;, \; h = & 72 \;, \; x = & 31 \;, \; y = & 0 \;, \; v = & 1584 \\ w = & 13 \;, \; h = & 95 \;, \; x = & 53 \;, \; y = & 0 \;, \; v = & 1235 \\ w = & 14 \;, \; h = & 71 \;, \; x = & 66 \;, \; y = & 0 \;, \; v = & 994 \\ w = & 13 \;, \; h = & 67 \;, \; x = & 80 \;, \; y = & 0 \;, \; v = & 871 \\ w = & 7 \;, \; h = & 76 \;, \; x = & 93 \;, \; y = & 0 \;, \; v = & 532 \\ w = & 22 \;, \; h = & 24 \;, \; x = & 66 \;, \; y = & 76 \;, \; v = & 528 \\ \end{array}$$



$$\le =17$$
 ,  $h$  =97 ,  $x$  =83 ,  $y$  =0 ,  $v$  =1649

$$\le =41$$
 ,  $h=67$  ,  $x=0$  ,  $y=0$  ,  $v=2747$ 

$$\le =81$$
 , h =12 , x =0 , y =67 , v =972

$$\mathbf{w}$$
 =12 , h =41 , x =41 , y =0 , v =492