$ClassName: {\bf Class\_07.2bp-41}$ 

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

TypeNum: <u>97</u>
Num: <u>100</u>
OutS: <u>270000</u>
InS: <u>232187</u>
Rate: <u>0.860</u>
UB: <u>27</u>
LB0: <u>27</u>

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

LB: **27** 

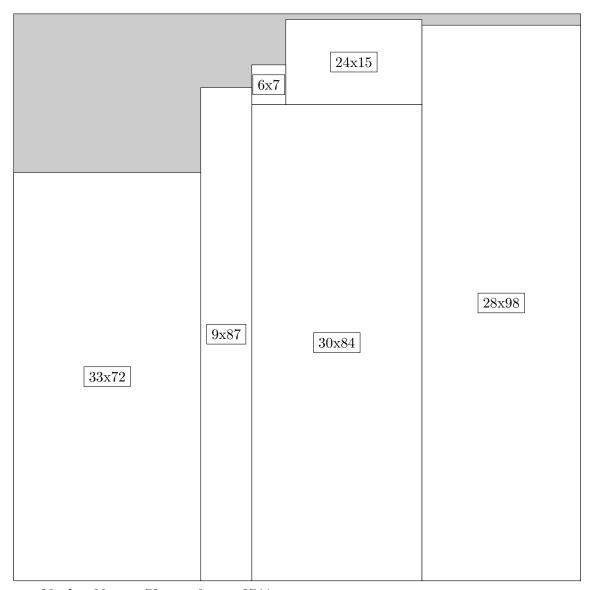
ExtendedNodeCnt:  $\underline{\mathbf{1}}$ 

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

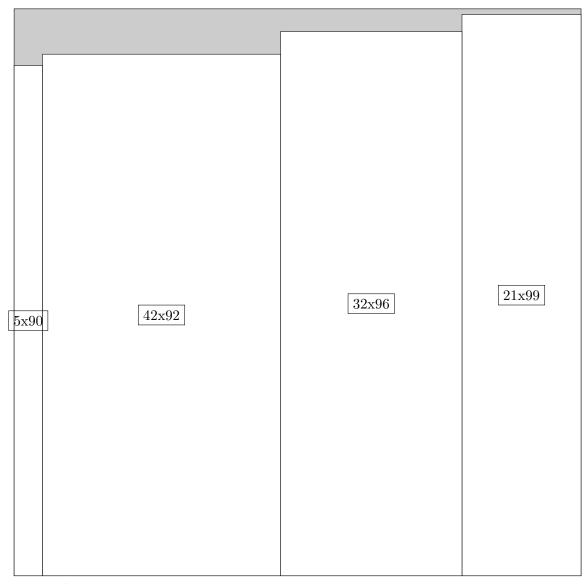
isOpt:  $\underline{\mathbf{true}}$ 

TimeOnInitSolution:  $\underline{600.000 \text{ s}}$ 

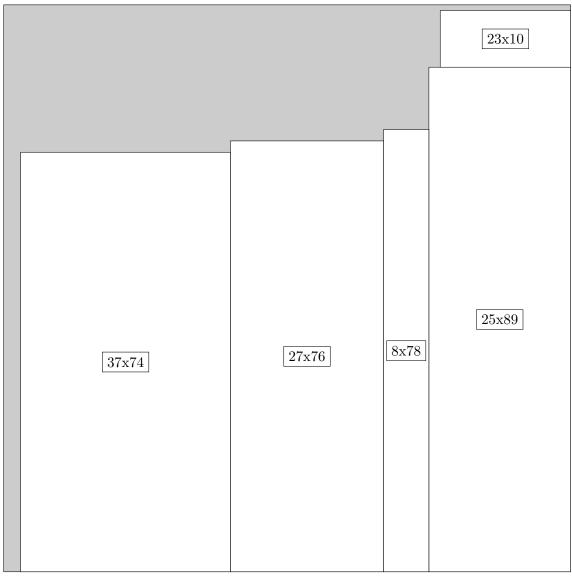
TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.063 sTotalTime: 600.313 s



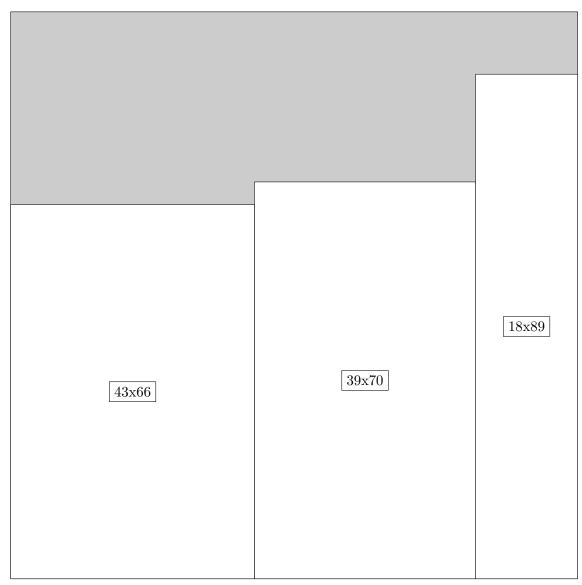
 $\begin{array}{l} w=28\;,\; h=98\;,\; x=72\;,\; y=0\;,\; v=2744\\ w=30\;,\; h=84\;,\; x=42\;,\; y=0\;,\; v=2520\\ w=24\;,\; h=15\;,\; x=48\;,\; y=84\;,\; v=360\\ w=6\;,\; h=7\;,\; x=42\;,\; y=84\;,\; v=42\\ w=9\;,\; h=87\;,\; x=33\;,\; y=0\;,\; v=783\\ w=33\;,\; h=72\;,\; x=0\;,\; y=0\;,\; v=2376 \end{array}$ 



 $\begin{array}{l} w = 21 \ , \ h = 99 \ , \ x = 79 \ , \ y = 0 \ , \ v = 2079 \\ w = 32 \ , \ h = 96 \ , \ x = 47 \ , \ y = 0 \ , \ v = 3072 \\ w = 42 \ , \ h = 92 \ , \ x = 5 \ , \ y = 0 \ , \ v = 3864 \\ w = 5 \ , \ h = 90 \ , \ x = 0 \ , \ y = 0 \ , \ v = 450 \end{array}$ 

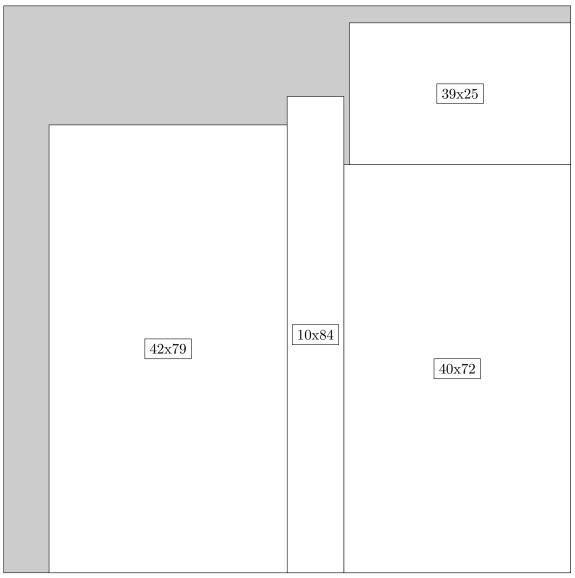


$$\begin{array}{l} w=25 \ , \ h=89 \ , \ x=75 \ , \ y=0 \ , \ v=2225 \\ w=23 \ , \ h=10 \ , \ x=77 \ , \ y=89 \ , \ v=230 \\ w=8 \ , \ h=78 \ , \ x=67 \ , \ y=0 \ , \ v=624 \\ w=27 \ , \ h=76 \ , \ x=40 \ , \ y=0 \ , \ v=2052 \\ w=37 \ , \ h=74 \ , \ x=3 \ , \ y=0 \ , \ v=2738 \end{array}$$



$$\begin{array}{l} w = \! 18 \ , \ h = \! 89 \ , \ x = \! 82 \ , \ y = \! 0 \ , \ v = \! 1602 \\ w = \! 39 \ , \ h = \! 70 \ , \ x = \! 43 \ , \ y = \! 0 \ , \ v = \! 2730 \end{array}$$

$$\le =43$$
 , h =66 , x =0 , y =0 , v =2838

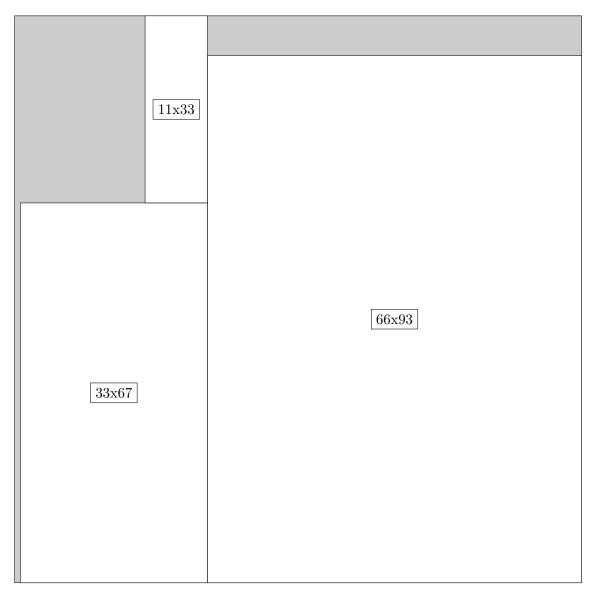


$$\le =40$$
 ,  $h=72$  ,  $x=60$  ,  $y=0$  ,  $v=2880$ 

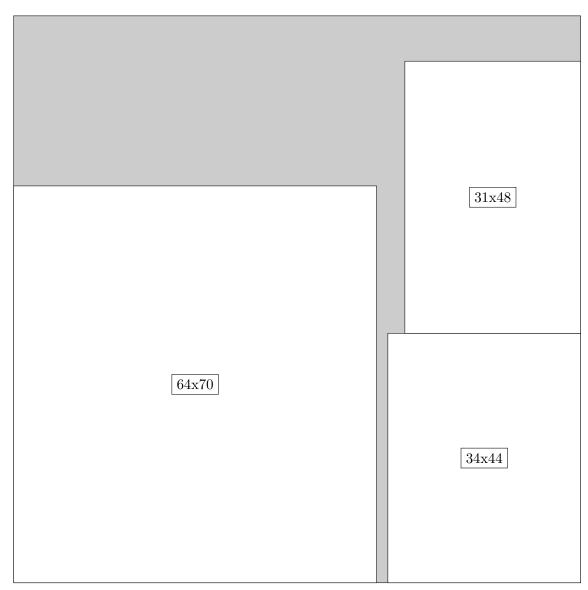
$$\le =39$$
 , h =25 , x =61 , y =72 , v =975

$$\le =10$$
 ,  $h=84$  ,  $x=\!50$  ,  $y=\!0$  ,  $v=\!840$ 

$$\le =42$$
 , h =79 , x =8 , y =0 , v =3318



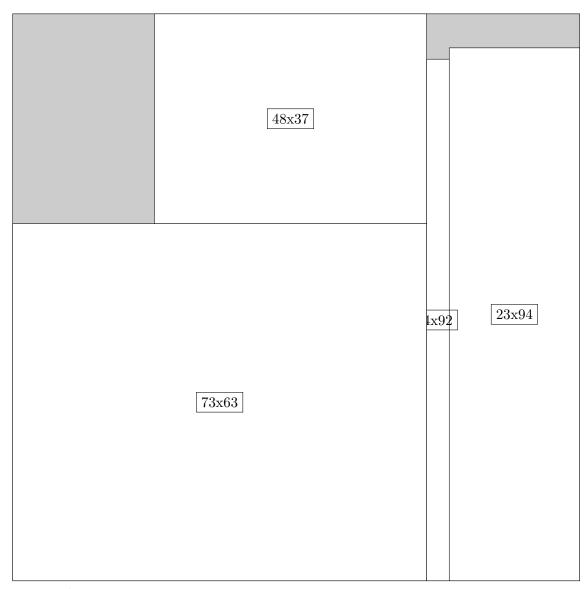
 $\begin{array}{l} w = \!\!66 \ , \ h = \!\!93 \ , \ x = \!\!34 \ , \ y = \!\!0 \ , \ v = \!\!6138 \\ w = \!\!33 \ , \ h = \!\!67 \ , \ x = \!\!1 \ , \ y = \!\!0 \ , \ v = \!\!2211 \\ w = \!\!11 \ , \ h = \!\!33 \ , \ x = \!\!23 \ , \ y = \!\!67 \ , \ v = \!\!363 \end{array}$ 



w = 34, h = 44, x = 66, y = 0, v = 1496

w =31 , h =48 , x =69 , y =44 , v =1488

 $\le =64$  , h =70 , x =0 , y =0 , v =4480

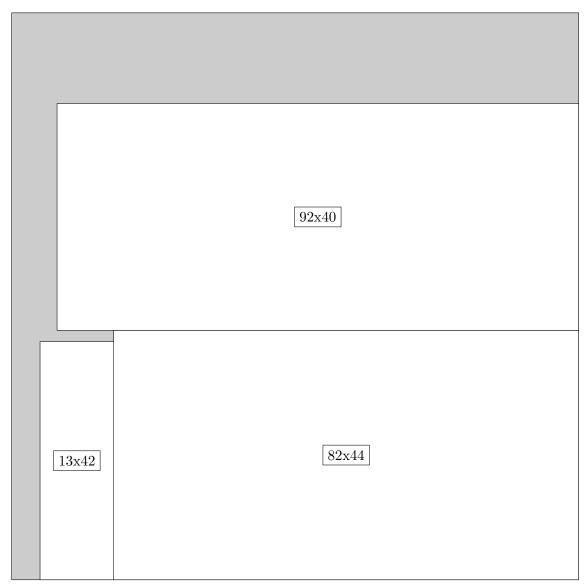


 $\le =23$  , h =94 , x =77 , y =0 , v =2162

 $\mathbf{w}$  =4 ,  $\mathbf{h}$  =92 ,  $\mathbf{x}$  =73 ,  $\mathbf{y}$  =0 ,  $\mathbf{v}$  =368

 $\le -73$  , h =63 , x =0 , y =0 , v =4599

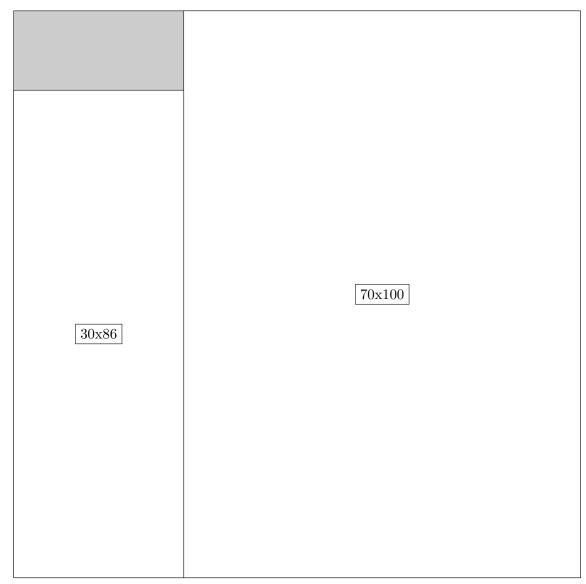
 $\le =48$  , h =37 , x =25 , y =63 , v =1776

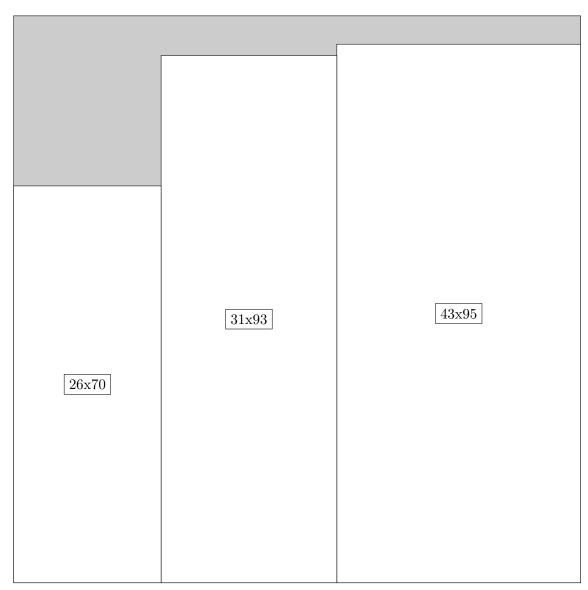


$$w = 82$$
,  $h = 44$ ,  $x = 18$ ,  $y = 0$ ,  $v = 3608$ 

$$\le =13$$
 , h =42 , x =5 , y =0 , v =546

$$\le =92$$
 , h =40 , x =8 , y =44 , v =3680

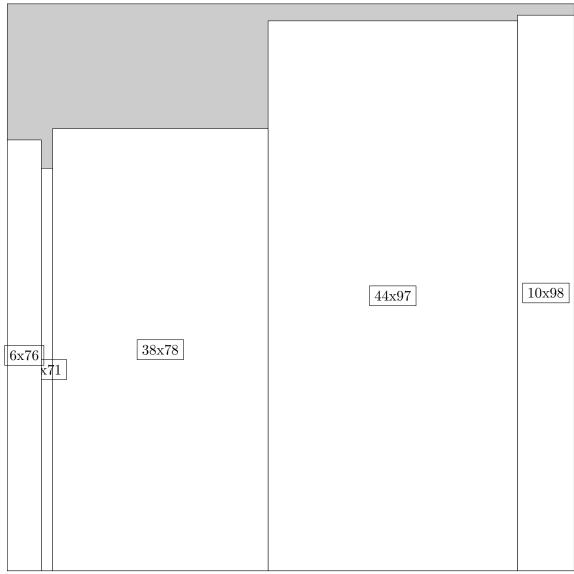




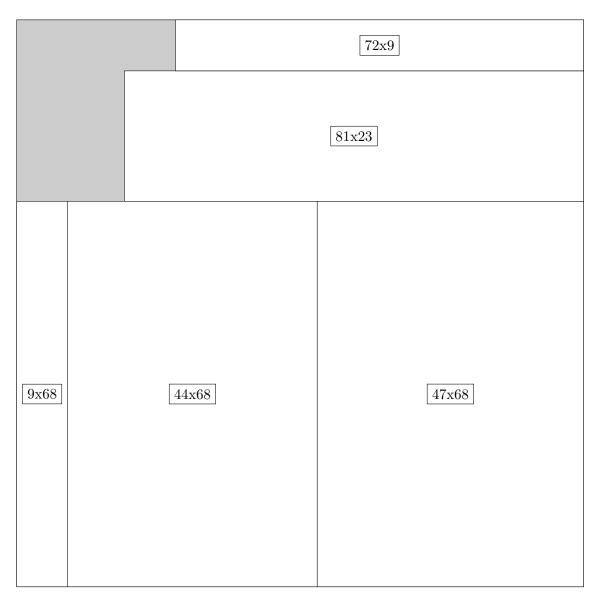
w = 43, h = 95, x = 57, y = 0, v = 4085

 $\le =31$  , h =93 , x =26 , y =0 , v =2883

 $\le =26$  , h =70 , x =0 , y =0 , v =1820



 $\begin{array}{l} w = & 10 \ , \ h = & 98 \ , \ x = & 90 \ , \ y = & 0 \ , \ v = & 980 \\ w = & 44 \ , \ h = & 97 \ , \ x = & 46 \ , \ y = & 0 \ , \ v = & 4268 \\ w = & 38 \ , \ h = & 78 \ , \ x = & 8 \ , \ y = & 0 \ , \ v = & 2964 \\ w = & 2 \ , \ h = & 71 \ , \ x = & 6 \ , \ y = & 0 \ , \ v = & 142 \\ w = & 6 \ , \ h = & 76 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 456 \end{array}$ 

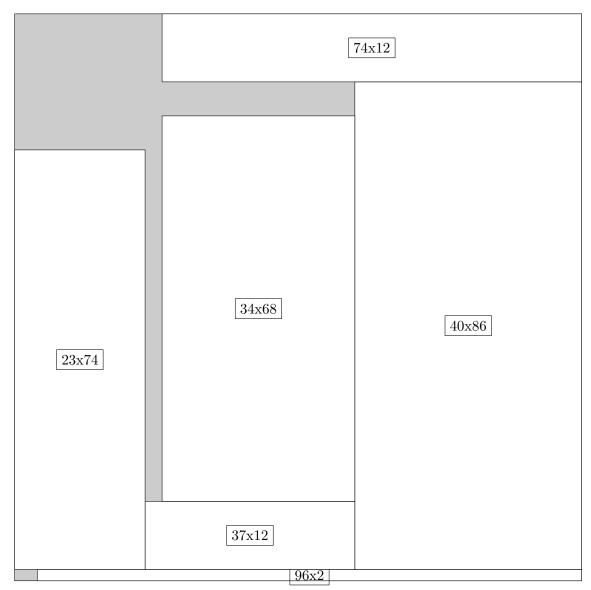


$$\begin{array}{l} w = \!\! 47 \ , \ h = \!\! 68 \ , \ x = \!\! 53 \ , \ y = \!\! 0 \ , \ v = \!\! 3196 \\ w = \!\! 44 \ , \ h = \!\! 68 \ , \ x = \!\! 9 \ , \ y = \!\! 0 \ , \ v = \!\! 2992 \end{array}$$

$$\le =9$$
 ,  $h$  =68 ,  $x$  =0 ,  $y$  =0 ,  $v$  =612

$$\le =81$$
 ,  $h=23$  ,  $x=19$  ,  $y=68$  ,  $v=1863$ 

$$\mathbf{w}$$
 =72 , h =9 , x =28 , y =91 , v =648



$$\le =96$$
 , h =2 , x =4 , y =0 , v =192

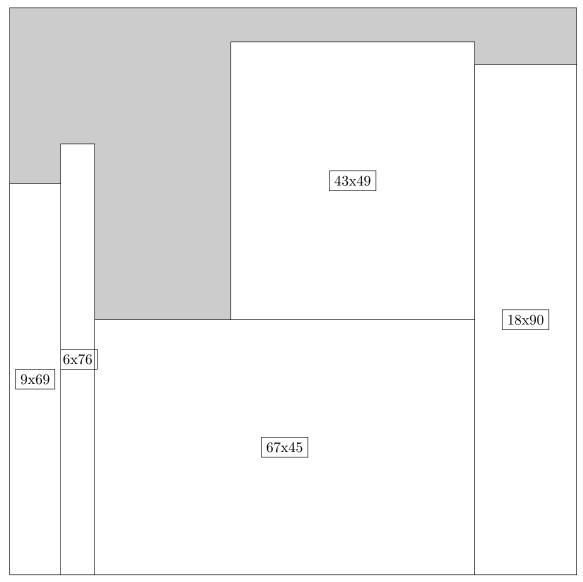
$$\le =40$$
 ,  $h=86$  ,  $x=60$  ,  $y=2$  ,  $v=3440$ 

$$\le =37$$
 , h =12 , x =23 , y =2 , v =444

$$\le =34$$
 , h =68 , x =26 , y =14 , v =2312

$$w = 23$$
,  $h = 74$ ,  $x = 0$ ,  $y = 2$ ,  $v = 1702$ 

$$w$$
 =74 , h =12 , x =26 , y =88 , v =888



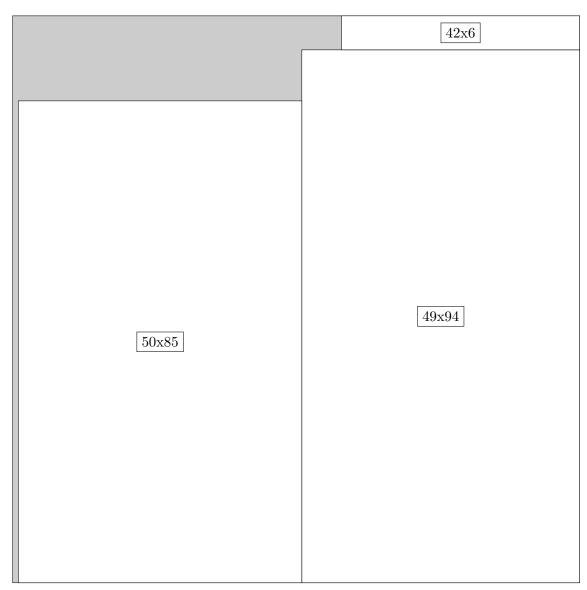
$$w$$
 =18 ,  $h$  =90 ,  $x$  =82 ,  $y$  =0 ,  $v$  =1620

$$\le =67$$
 , h =45 , x =15 , y =0 , v =3015

$$\le =43$$
 ,  $h=49$  ,  $x=39$  ,  $y=45$  ,  $v=2107$ 

$$\mathbf{w}$$
 =6 , h =76 , x =9 , y =0 , v =456

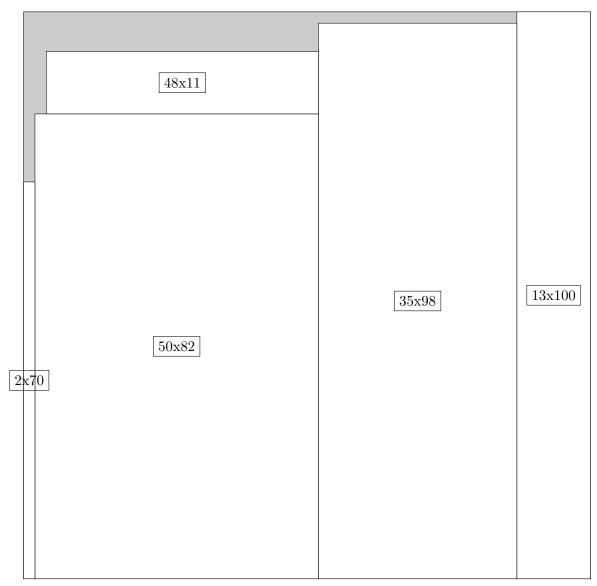
$$\mathbf{w}$$
 =9 , h =69 , x =0 , y =0 , v =621



w = 49, h = 94, x = 51, y = 0, v = 4606

 $\le =42$  , h =6 , x =58 , y =94 , v =252

 $\mathbf{w}$  =50 , h =85 , x =1 , y =0 , v =4250



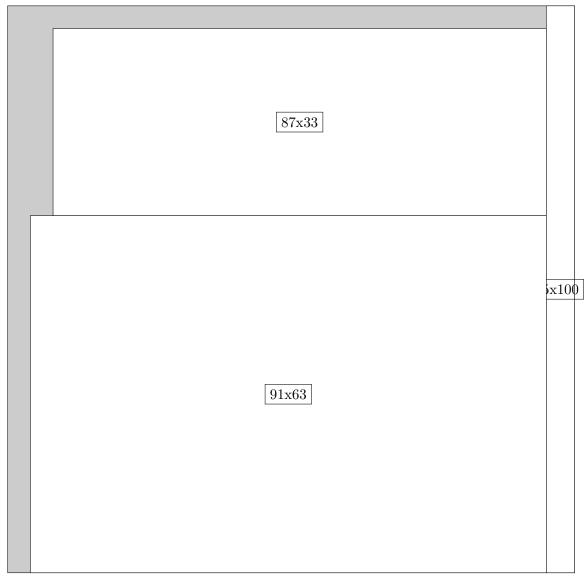
w =13 , h =100 , x =87 , y =0 , v =1300

 $\le =35$  , h =98 , x =52 , y =0 , v =3430

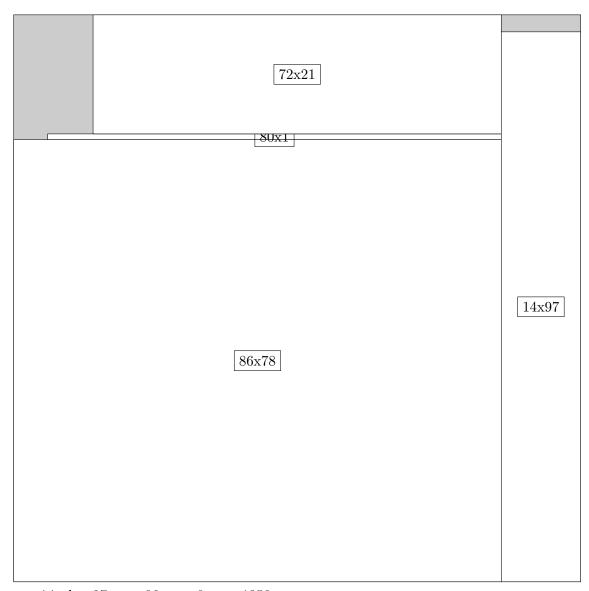
 $\le =50$  , h =82 , x =2 , y =0 , v =4100

 $\mathbf{w}$  =48 , h =11 , x =4 , y =82 , v =528

 $\mathbf{w}$  =2 , h =70 , x =0 , y =0 , v =140



$$\begin{array}{l} w=5 \ , \ h=100 \ , \ x=95 \ , \ y=0 \ , \ v=500 \\ w=91 \ , \ h=63 \ , \ x=4 \ , \ y=0 \ , \ v=5733 \\ w=87 \ , \ h=33 \ , \ x=8 \ , \ y=63 \ , \ v=2871 \end{array}$$

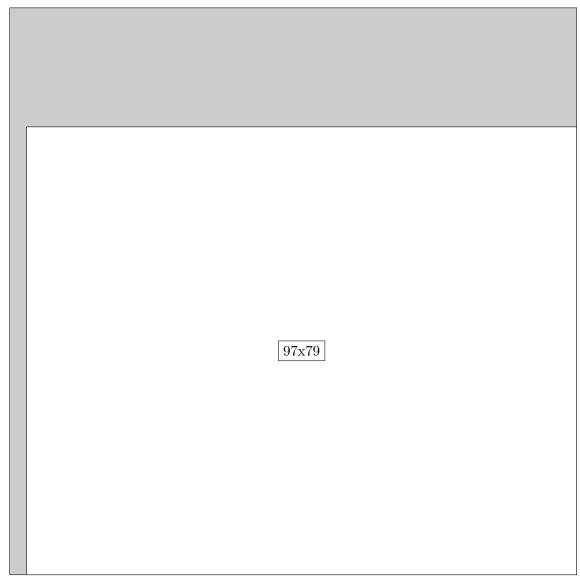


$$\le =14$$
 , h =97 , x =86 , y =0 , v =1358

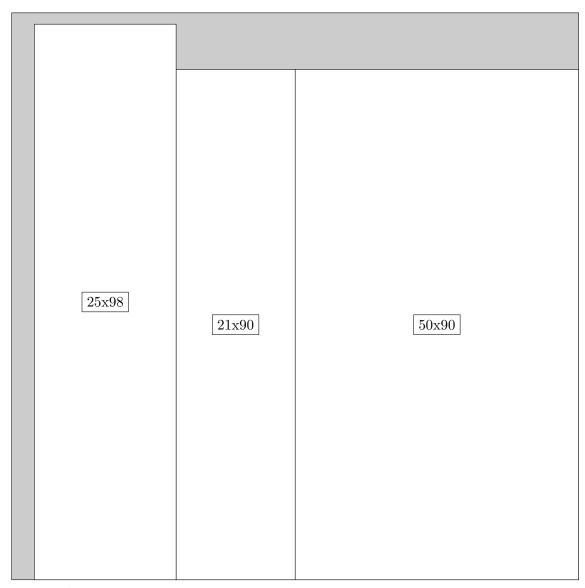
$$\le =86$$
 ,  $h$  =78 ,  $x$  =0 ,  $y$  =0 ,  $v$  =6708

$$\le =80$$
 , h =1 , x =6 , y =78 , v =80

$$w$$
 =72 ,  $h$  =21 ,  $x$  =14 ,  $y$  =79 ,  $v$  =1512



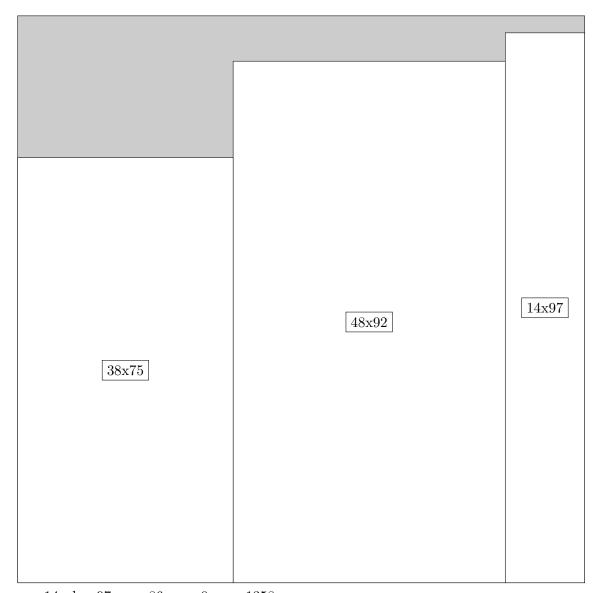
 $\le =97$  , h =79 , x =3 , y =0 , v =7663



 $\le =50$  , h=90 , x=50 , y=0 , v=4500

 $\le =21$  , h =90 , x =29 , y =0 , v =1890

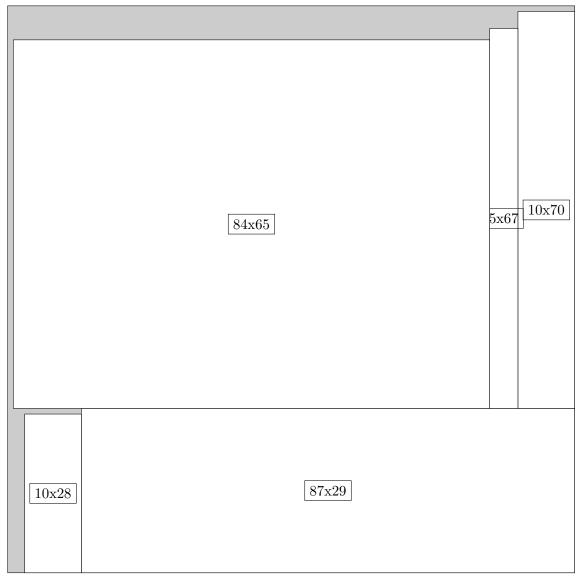
 $\le =25$  , h =98 , x =4 , y =0 , v = 2450



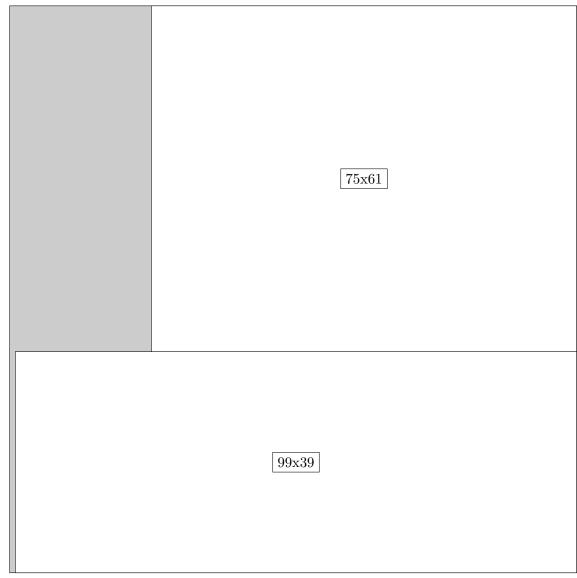
$$\le =14$$
 ,  $h=97$  ,  $x=86$  ,  $y=0$  ,  $v=1358$ 

$$\le =48$$
 , h =92 , x =38 , y =0 , v =4416

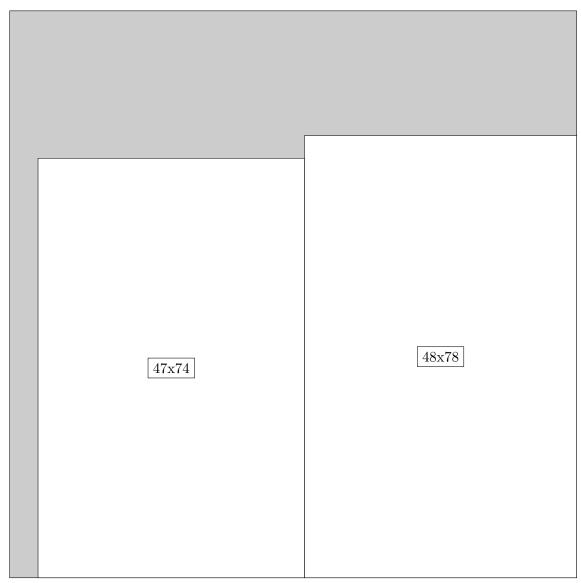
$$\le =38$$
 , h =75 , x =0 , y =0 , v =2850



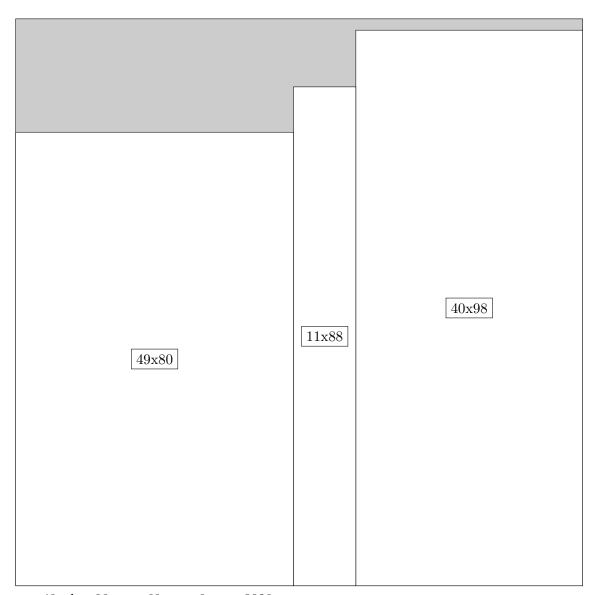
$$\begin{array}{l} w = \!\!87 \;,\; h = \!\!29 \;,\; x = \!\!13 \;,\; y = \!\!0 \;,\; v = \!\!2523 \\ w = \!\!10 \;,\; h = \!\!28 \;,\; x = \!\!3 \;,\; y = \!\!0 \;,\; v = \!\!280 \\ w = \!\!10 \;,\; h = \!\!70 \;,\; x = \!\!90 \;,\; y = \!\!29 \;,\; v = \!\!700 \\ w = \!\!5 \;,\; h = \!\!67 \;,\; x = \!\!85 \;,\; y = \!\!29 \;,\; v = \!\!335 \\ w = \!\!84 \;,\; h = \!\!65 \;,\; x = \!\!1 \;,\; y = \!\!29 \;,\; v = \!\!5460 \end{array}$$



$$\begin{array}{l} w = 99 \ , \ h = 39 \ , \ x = 1 \ , \ y = 0 \ , \ v = 3861 \\ w = 75 \ , \ h = 61 \ , \ x = 25 \ , \ y = 39 \ , \ v = 4575 \end{array}$$



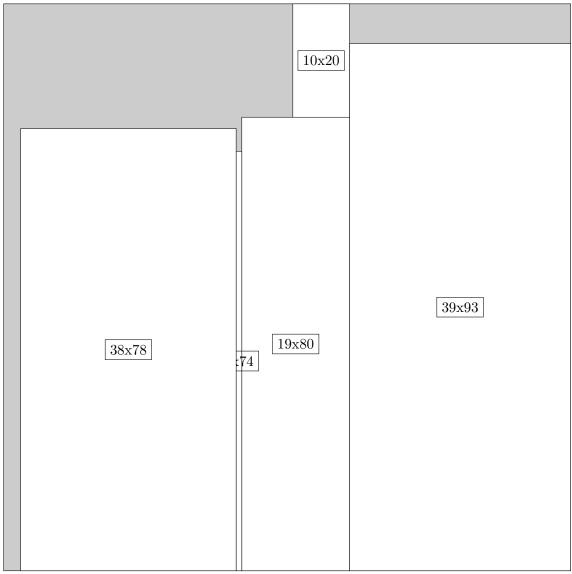
$$w=48$$
 ,  $h=78$  ,  $x=52$  ,  $y=0$  ,  $v=3744$   $w=47$  ,  $h=74$  ,  $x=5$  ,  $y=0$  ,  $v=3478$ 



$$\le =40$$
 ,  $h=98$  ,  $x=60$  ,  $y=0$  ,  $v=3920$ 

$$\le =11$$
 , h =88 , x =49 , y =0 , v =968

$$\le =49$$
 , h =80 , x =0 , y =0 , v =3920



 $\begin{array}{l} w = & 39 \ , \ h = & 93 \ , \ x = & 61 \ , \ y = & 0 \ , \ v = & 3627 \\ w = & 19 \ , \ h = & 80 \ , \ x = & 42 \ , \ y = & 0 \ , \ v = & 1520 \\ w = & 1 \ , \ h = & 74 \ , \ x = & 41 \ , \ y = & 0 \ , \ v = & 74 \\ w = & 10 \ , \ h = & 20 \ , \ x = & 51 \ , \ y = & 80 \ , \ v = & 200 \\ w = & 38 \ , \ h = & 78 \ , \ x = & 3 \ , \ y = & 0 \ , \ v = & 2964 \end{array}$