$ClassName: \ Class\_07.2bp-47$ 

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

TypeNum: <u>99</u>
Num: <u>100</u>
OutS: <u>290000</u>
InS: <u>243635</u>
Rate: <u>0.840</u>
UB: <u>29</u>
LB0: <u>29</u>
LB: <u>29</u>

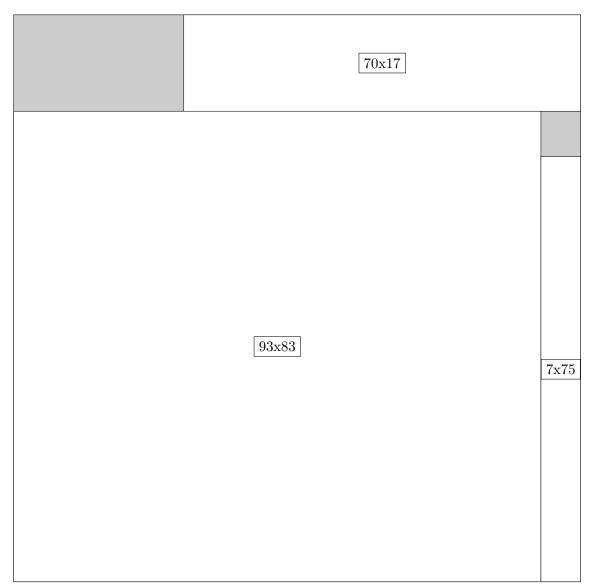
LBWithCut:  $\underline{\mathbf{29}}$  NodeCut:  $\underline{\mathbf{0}}$ 

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

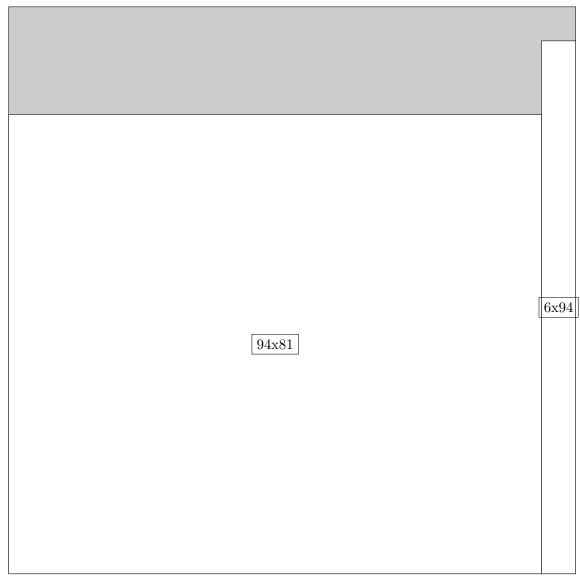
GenNodeCnt:  $\underline{\mathbf{1}}$ PrimalNode:  $\underline{\mathbf{0}}$ ColumnCount:  $\underline{\mathbf{29}}$ TotalCutCount:  $\underline{\mathbf{0}}$ RootCutCount:  $\underline{\mathbf{0}}$ LPSolverCnt:  $\underline{\mathbf{1}}$ PricingSolverCnt:  $\underline{\mathbf{0}}$ BranchAndBoundNum:  $\underline{\mathbf{1}}$ 

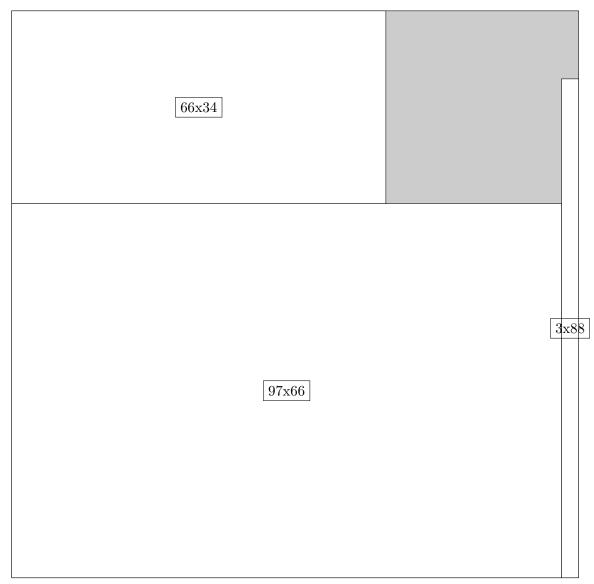
isOpt: **true** 

 $\begin{array}{ll} {\rm TimeOnInitSolution:} \ \underline{0.130 \ s} \\ {\rm TimeOnPrimal:} \ \underline{0.000 \ s} \\ {\rm TimeOnPricing:} \ \underline{0.000 \ s} \\ {\rm TimeOnRmp:} \ \underline{0.063 \ s} \\ {\rm TotalTime:} \ \underline{0.255 \ s} \end{array}$ 

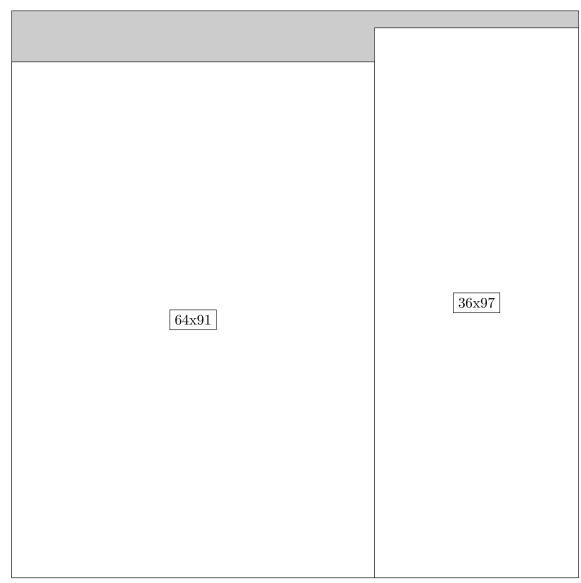


 $\begin{array}{l} w = \! 93 \; , \; h = \! 83 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 7719 \\ w = \! 70 \; , \; h = \! 17 \; , \; x = \! 30 \; , \; y = \! 83 \; , \; v = \! 1190 \\ w = \! 7 \; , \; h = \! 75 \; , \; x = \! 93 \; , \; y = \! 0 \; , \; v = \! 525 \end{array}$ 

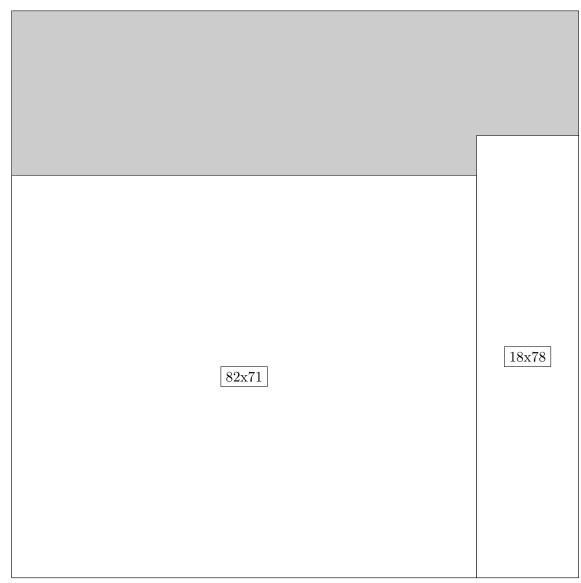




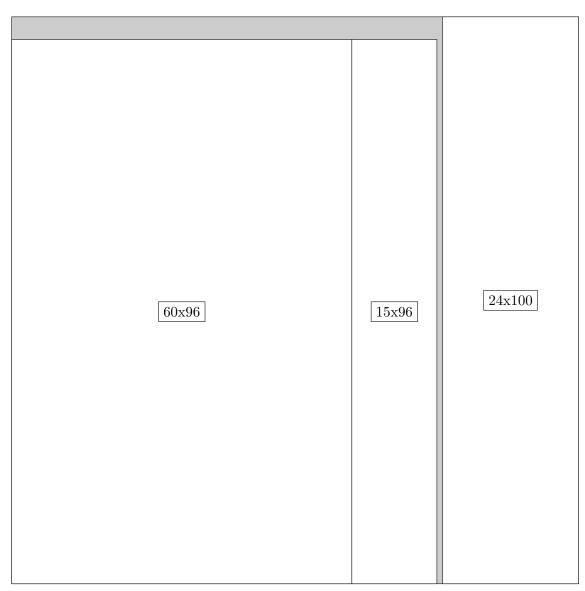
 $\begin{array}{l} w = \! 97 \ , \ h = \! 66 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 6402 \\ w = \! 66 \ , \ h = \! 34 \ , \ x = \! 0 \ , \ y = \! 66 \ , \ v = \! 2244 \\ w = \! 3 \ , \ h = \! 88 \ , \ x = \! 97 \ , \ y = \! 0 \ , \ v = \! 264 \end{array}$ 



$$\begin{array}{c} w = \!64 \; , \; h = \!91 \; , \; x = \!0 \; , \; y = \!0 \; , \; v = \!5824 \\ w = \!36 \; , \; h = \!97 \; , \; x = \!64 \; , \; y = \!0 \; , \; v = \!3492 \end{array}$$

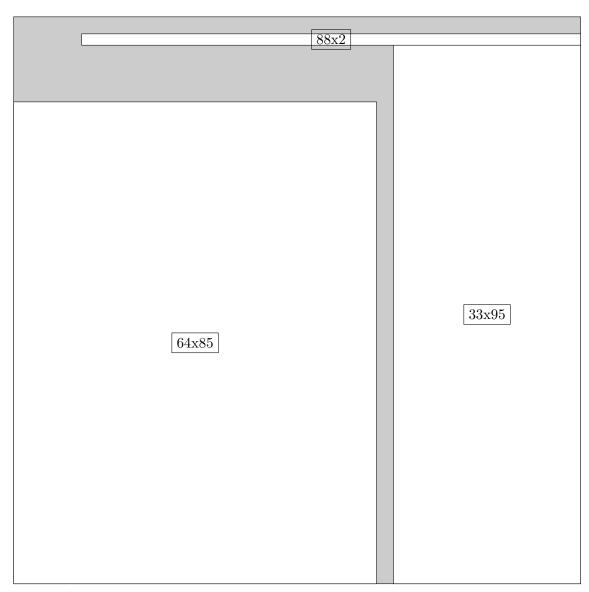


$$\begin{array}{c} w = \! 82 \; , \; h = \! 71 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 5822 \\ w = \! 18 \; , \; h = \! 78 \; , \; x = \! 82 \; , \; y = \! 0 \; , \; v = \! 1404 \\ \end{array}$$

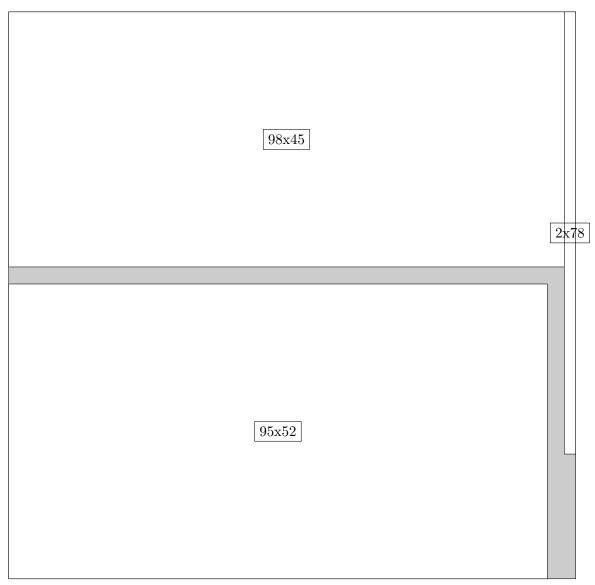


 $\begin{array}{l} w = \! 60 \ , \ h = \! 96 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 5760 \\ w = \! 24 \ , \ h = \! 100 \ , \ x = \! 76 \ , \ y = \! 0 \ , \ v = \! 2400 \end{array}$ 

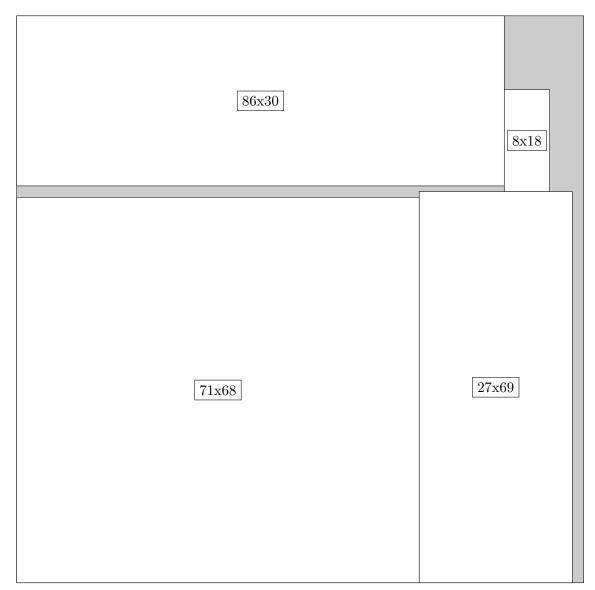
 $\le =15$  , h =96 , x =60 , y =0 , v =1440



 $\begin{array}{l} w = \!64 \; , \; h = \!85 \; , \; x = \!0 \; , \; y = \!0 \; , \; v = \!5440 \\ w = \!33 \; , \; h = \!95 \; , \; x = \!67 \; , \; y = \!0 \; , \; v = \!3135 \\ w = \!88 \; , \; h = \!2 \; , \; x = \!12 \; , \; y = \!95 \; , \; v = \!176 \end{array}$ 



$$\begin{array}{l} w = \! 95 \ , \ h = \! 52 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 4940 \\ w = \! 98 \ , \ h = \! 45 \ , \ x = \! 0 \ , \ y = \! 55 \ , \ v = \! 4410 \\ w = \! 2 \ , \ h = \! 78 \ , \ x = \! 98 \ , \ y = \! 22 \ , \ v = \! 156 \end{array}$$

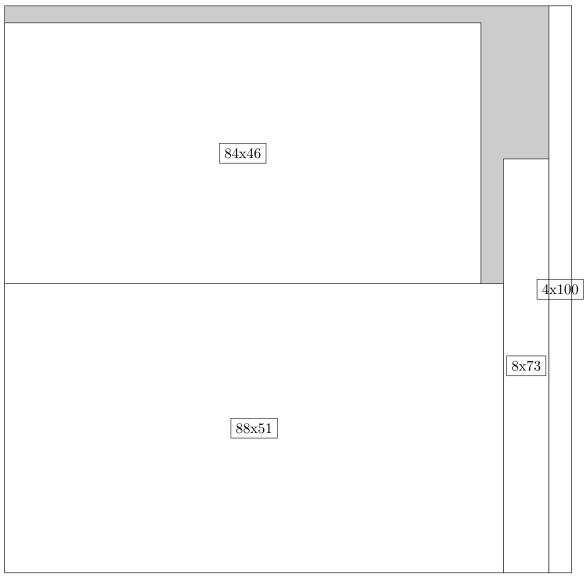


$$\mathbf{w}$$
 =71 , h =68 , x =0 , y =0 , v =4828

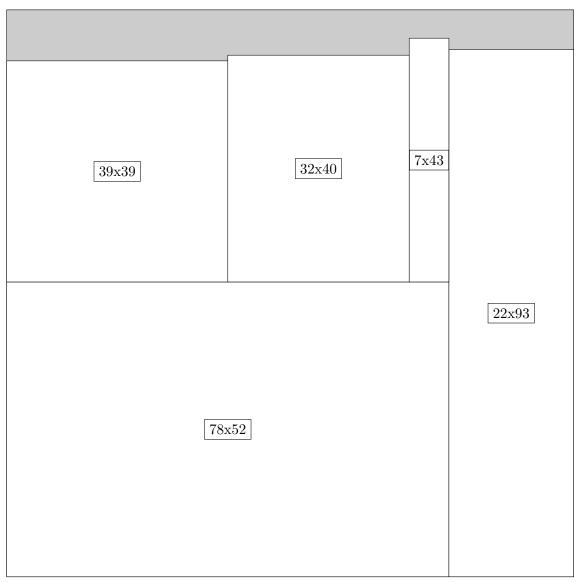
$$w = 86$$
,  $h = 30$ ,  $x = 0$ ,  $y = 70$ ,  $v = 2580$ 

$$\le =27$$
 , h =69 , x =71 , y =0 , v =1863

$$w$$
 =8 , h =18 , x =86 , y =69 , v =144



 $\begin{array}{l} w = \! 88 \; , \; h = \! 51 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 4488 \\ w = \! 84 \; , \; h = \! 46 \; , \; x = \! 0 \; , \; y = \! 51 \; , \; v = \! 3864 \\ w = \! 8 \; , \; h = \! 73 \; , \; x = \! 88 \; , \; y = \! 0 \; , \; v = \! 584 \\ w = \! 4 \; , \; h = \! 100 \; , \; x = \! 96 \; , \; y = \! 0 \; , \; v = \! 400 \end{array}$ 



$$w$$
 =78 ,  $h$  =52 ,  $x$  =0 ,  $y$  =0 ,  $v$  =4056

$$\le =22$$
 , h =93 , x =78 , y =0 , v =2046

$$\le =39$$
 , h =39 , x =0 , y =52 , v =1521

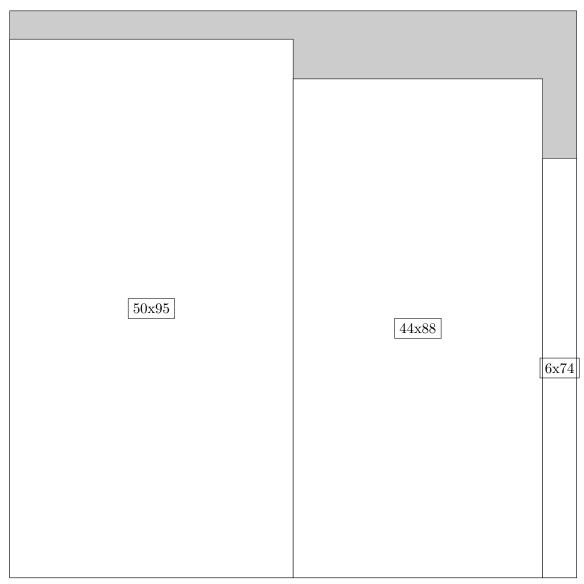
$$\le =32$$
 , h =40 , x =39 , y =52 , v =1280

$$w$$
 =7 , h =43 , x =71 , y =52 , v =301

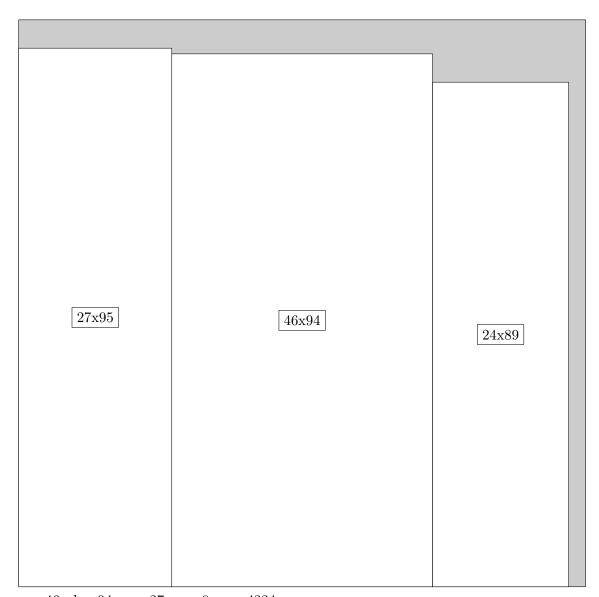
81x23	
51x71	49x71

$$\begin{array}{l} w = \!\! 51 \ , \ h = \!\! 71 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 3621 \\ w = \!\! 49 \ , \ h = \!\! 71 \ , \ x = \!\! 51 \ , \ y = \!\! 0 \ , \ v = \!\! 3479 \end{array}$$

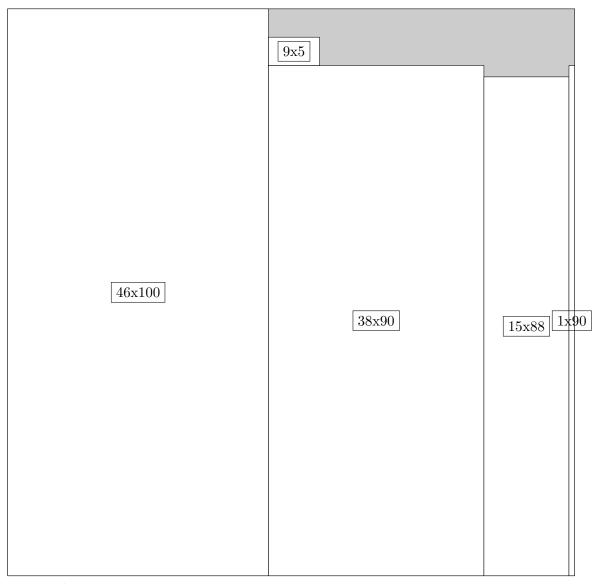
$$w = 81$$
,  $h = 23$ ,  $x = 0$ ,  $y = 71$ ,  $v = 1863$ 



$$\begin{array}{l} w = \!\! 50 \ , \ h = \!\! 95 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 4750 \\ w = \!\! 44 \ , \ h = \!\! 88 \ , \ x = \!\! 50 \ , \ y = \!\! 0 \ , \ v = \!\! 3872 \\ w = \!\! 6 \ , \ h = \!\! 74 \ , \ x = \!\! 94 \ , \ y = \!\! 0 \ , \ v = \!\! 444 \end{array}$$



 $\le =24$  , = =89 , = =73 , y==0 , v== =2136



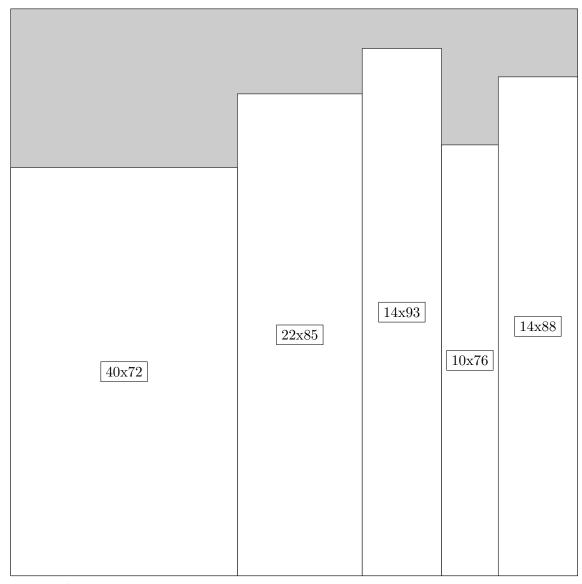
 $\le =46$  , h =100 , x =0 , y =0 , v =4600

 $\le =38$  , h =90 , x =46 , y =0 , v =3420

 $\le =15$  , h =88 , x =84 , y =0 , v =1320

 $\mathbf{w}$  =1 , h =90 , x =99 , y =0 , v =90

w = 9, h = 5, x = 46, y = 90, v = 45



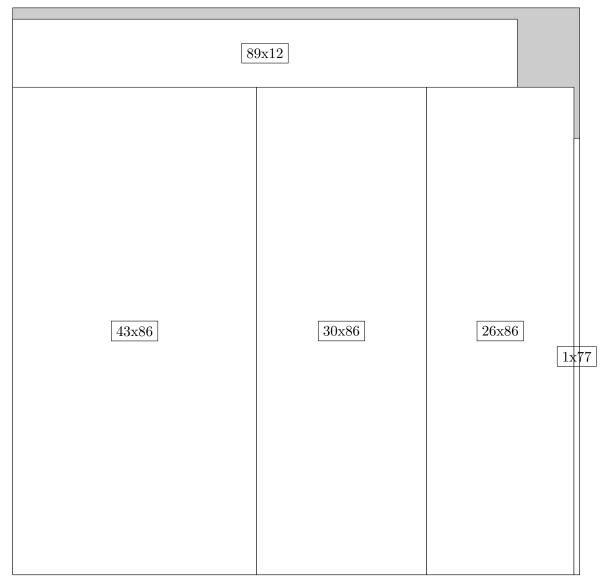
$$\le =40$$
 ,  $h$  =72 ,  $x$  =0 ,  $y$  =0 ,  $v$  =2880

$$\le =22$$
 , h =85 , x =40 , y =0 , v =1870

$$\mathbf{w}=\!\!14$$
 ,  $\mathbf{h}=\!\!93$  ,  $\mathbf{x}=\!\!62$  ,  $\mathbf{y}=\!\!0$  ,  $\mathbf{v}=\!\!1302$ 

$$\le =10$$
 ,  $h$  =76 ,  $x$  =76 ,  $y$  =0 ,  $v$  =760

$$w = 14$$
,  $h = 88$ ,  $x = 86$ ,  $y = 0$ ,  $v = 1232$ 



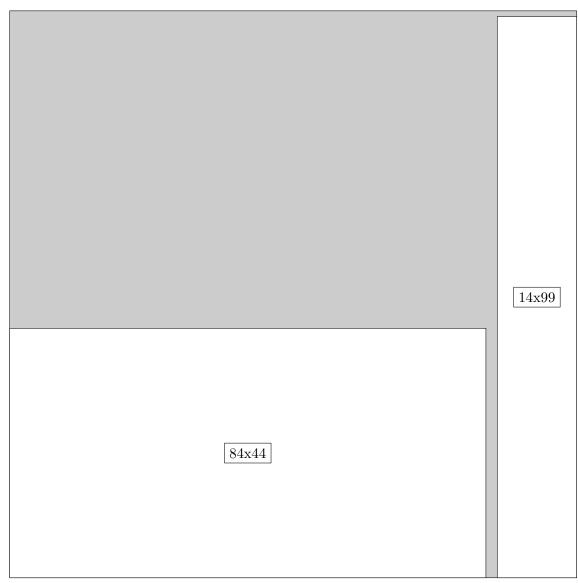
$$\mathbf{w}$$
 =43 , h =86 , x =0 , y =0 , v =3698

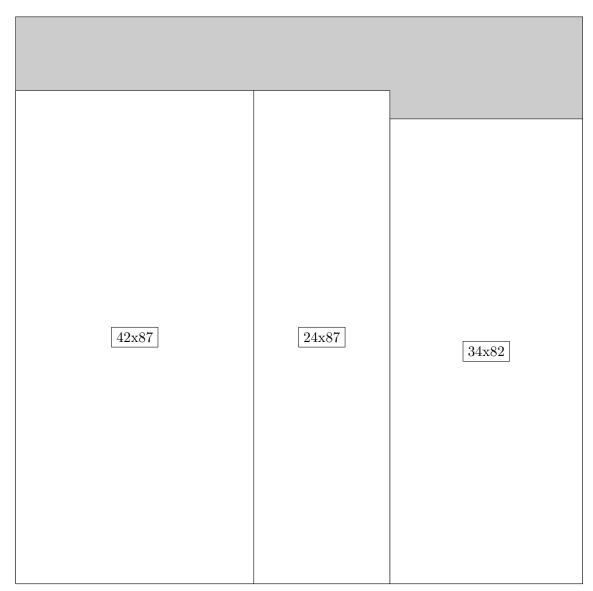
$$\le =30$$
 ,  $h=86$  ,  $x=43$  ,  $y=0$  ,  $v=2580$ 

$$\le =26$$
 , h =86 , x =73 , y =0 , v =2236

$$\le =89$$
 ,  $h$  =12 ,  $x$  =0 ,  $y$  =86 ,  $v$  =1068

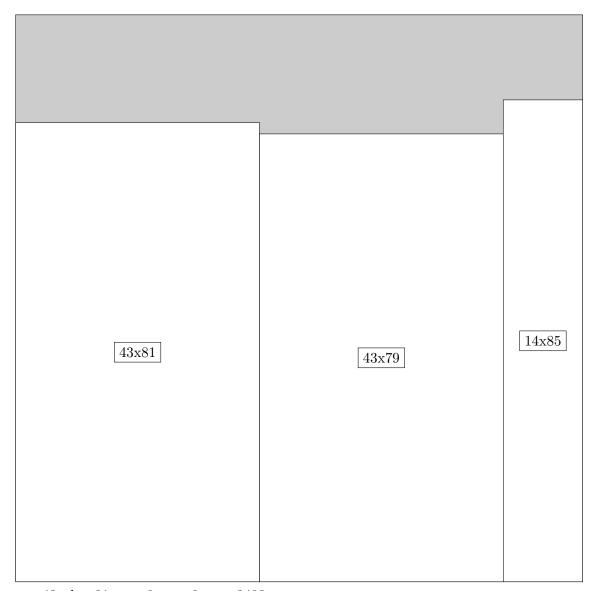
$$w = 1$$
,  $h = 77$ ,  $x = 99$ ,  $y = 0$ ,  $v = 77$ 





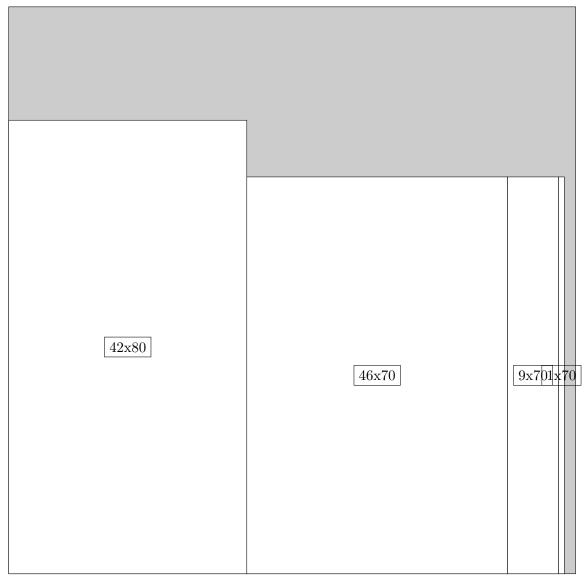
$$\begin{array}{l} w = \!\! 42 \ , \ h = \!\! 87 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 3654 \\ w = \!\! 34 \ , \ h = \!\! 82 \ , \ x = \!\! 66 \ , \ y = \!\! 0 \ , \ v = \!\! 2788 \end{array}$$

$$\le =24$$
 , h =87 , x =42 , y =0 , v =2088

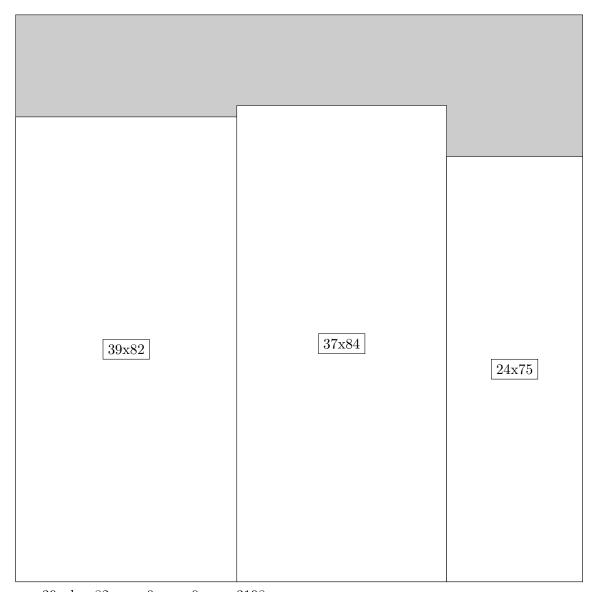


$$\begin{array}{l} w = \! 43 \ , \ h = \! 81 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 3483 \\ w = \! 43 \ , \ h = \! 79 \ , \ x = \! 43 \ , \ y = \! 0 \ , \ v = \! 3397 \end{array}$$

 $\le =14$  ,  $h=\!85$  ,  $x=\!86$  ,  $y=\!0$  ,  $v=\!1190$ 

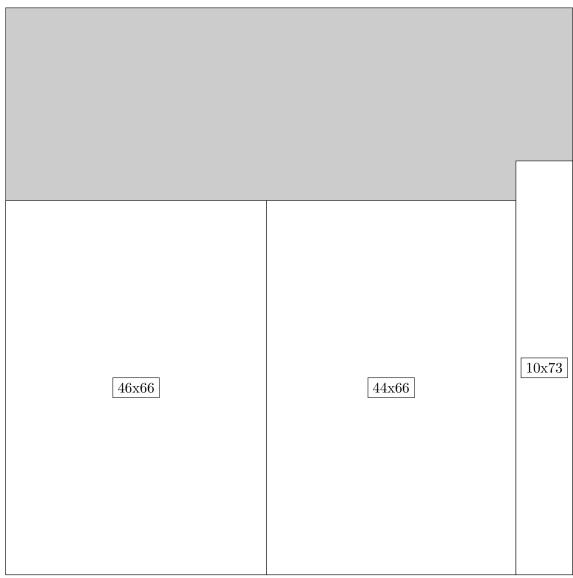


 $\begin{array}{l} w = \!\! 42 \ , \ h = \!\! 80 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 3360 \\ w = \!\! 46 \ , \ h = \!\! 70 \ , \ x = \!\! 42 \ , \ y = \!\! 0 \ , \ v = \!\! 3220 \\ w = \!\! 9 \ , \ h = \!\! 70 \ , \ x = \!\! 88 \ , \ y = \!\! 0 \ , \ v = \!\! 630 \\ w = \!\! 1 \ , \ h = \!\! 70 \ , \ x = \!\! 97 \ , \ y = \!\! 0 \ , \ v = \!\! 70 \end{array}$ 



$$\begin{array}{l} w = \! 39 \ , \ h = \! 82 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 3198 \\ w = \! 37 \ , \ h = \! 84 \ , \ x = \! 39 \ , \ y = \! 0 \ , \ v = \! 3108 \end{array}$$

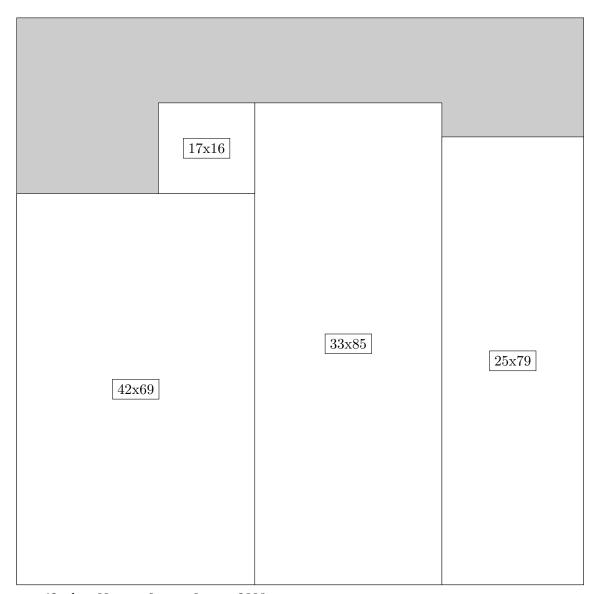
$$w = 24$$
,  $h = 75$ ,  $x = 76$ ,  $y = 0$ ,  $v = 1800$ 



$$\le =46$$
 , h =66 , x =0 , y =0 , v =3036

$$\le =44$$
 ,  $h=\!66$  ,  $x=\!46$  ,  $y=\!0$  ,  $v=\!2904$ 

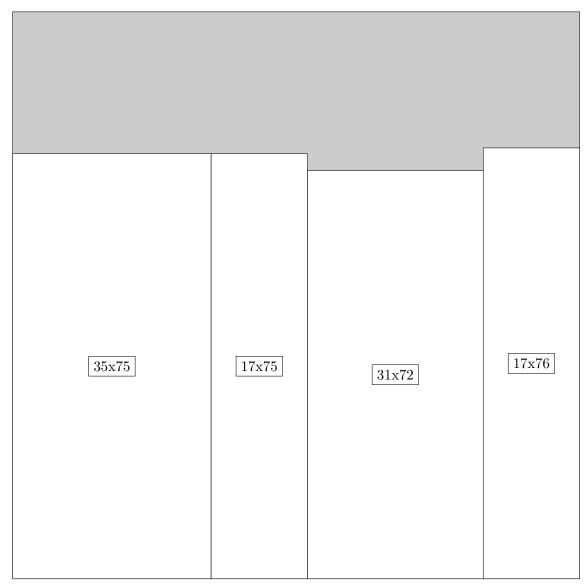
$$w=\!10$$
 ,  $h=\!73$  ,  $x=\!90$  ,  $y=\!0$  ,  $v=\!730$ 



$$\begin{array}{l} w = \!\! 42 \ , \ h = \!\! 69 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 2898 \\ w = \!\! 33 \ , \ h = \!\! 85 \ , \ x = \!\! 42 \ , \ y = \!\! 0 \ , \ v = \!\! 2805 \end{array}$$

$$\le =25$$
 ,  $h$  =79 ,  $x$  =75 ,  $y$  =0 ,  $v$  =1975

$$\le =17$$
 , h =16 , x =25 , y =69 , v =272

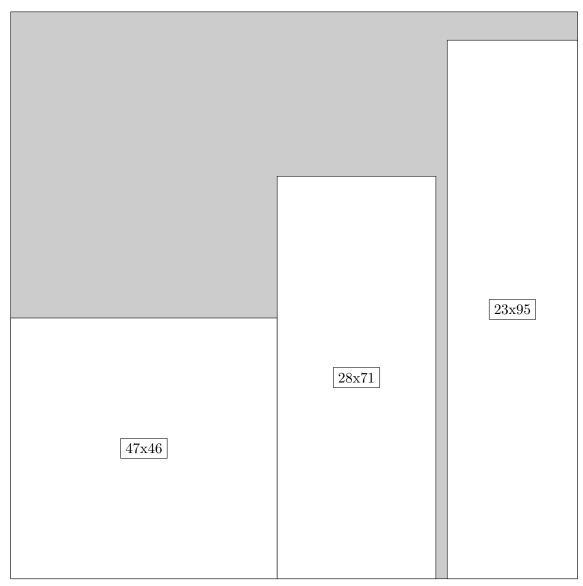


 $\le 35$  ,  $\le 75$  ,  $\ge 95$  ,  $\ge$ 

 $\le =31$  , h =72 , x =52 , y =0 , v =2232

 $\le =17$  , h = 76 , x = 83 , y = 0 , v = 1292

 $\mathbf{w}$  =17 , h =75 , x =35 , y =0 , v =1275



$$w$$
 =23 ,  $h$  =95 ,  $x$  =77 ,  $y$  =0 ,  $v$  =2185

$$\mathbf{w}$$
 =47 , h =46 , x =0 , y =0 , v =2162

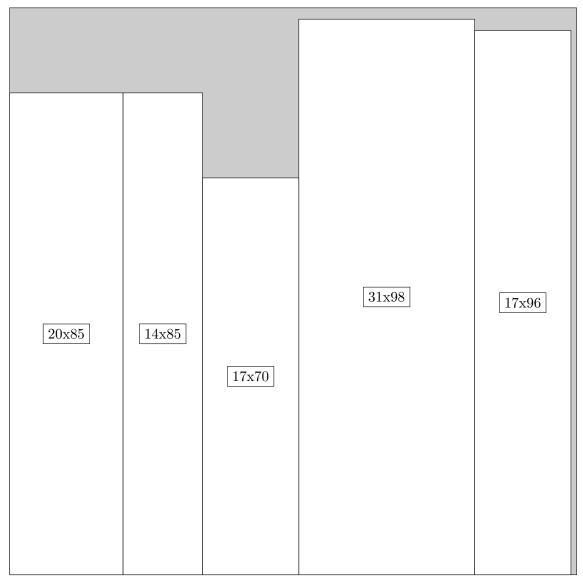
$$\mathbf{w}$$
 =28 , h =71 , x =47 , y =0 , v =1988

28x66	26x66	24x73	21x73

 $\begin{array}{l} w = \! 28 \ , \ h = \! 66 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 1848 \\ w = \! 24 \ , \ h = \! 73 \ , \ x = \! 54 \ , \ y = \! 0 \ , \ v = \! 1752 \end{array}$ 

 $\le =26$  , h=66 , x=28 , y=0 , v=1716

w = 21, h = 73, x = 78, y = 0, v = 1533



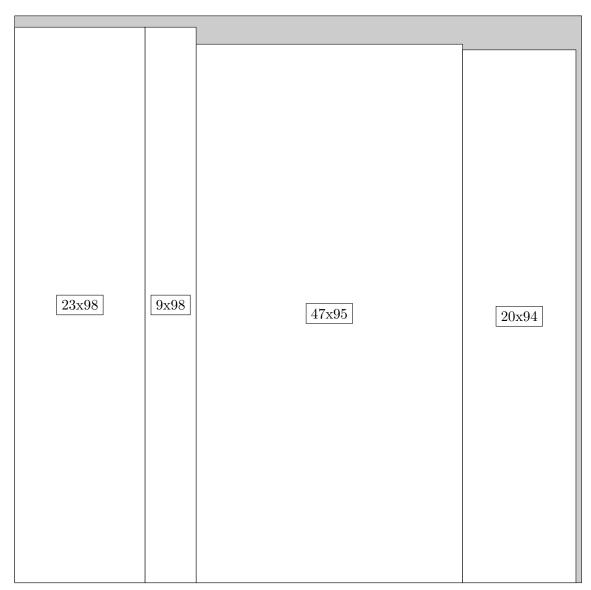
w = 31, h = 98, x = 51, y = 0, v = 3038

 $\le =20$  , h =85 , x =0 , y =0 , v =1700

 $\le =17$  , h =96 , x =82 , y =0 , v =1632

 $\mathbf{w}$  =17 , h =70 , x =34 , y =0 , v =1190

w = 14, h = 85, x = 20, y = 0, v = 1190



 $\begin{array}{l} w = \!\! 47 \ , \ h = \!\! 95 \ , \ x = \!\! 32 \ , \ y = \!\! 0 \ , \ v = \!\! 4465 \\ w = \!\! 23 \ , \ h = \!\! 98 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 2254 \\ w = \!\! 20 \ , \ h = \!\! 94 \ , \ x = \!\! 79 \ , \ y = \!\! 0 \ , \ v = \!\! 1880 \\ w = \!\! 9 \ , \ h = \!\! 98 \ , \ x = \!\! 23 \ , \ y = \!\! 0 \ , \ v = \!\! 882 \end{array}$