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

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** 

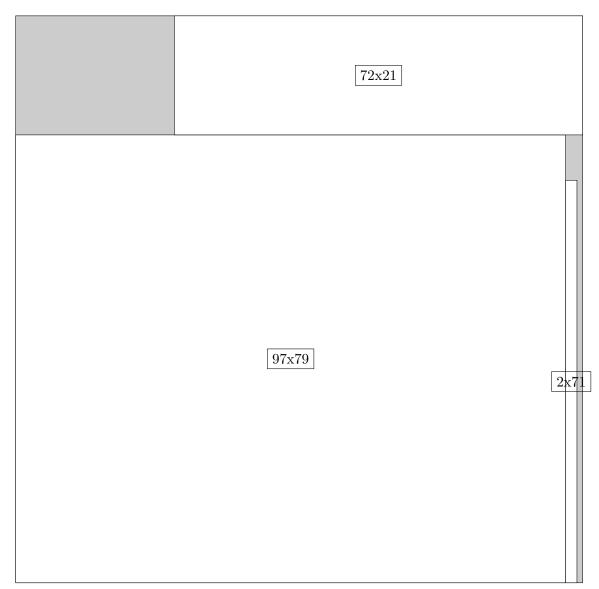
LB: **27** 

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

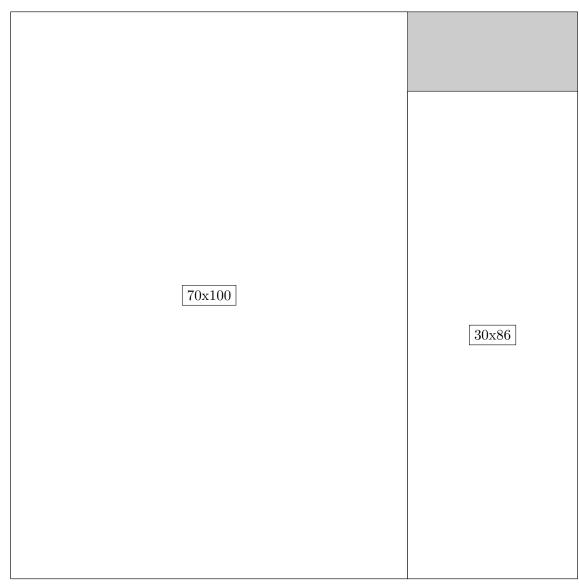
GenNodeCnt:  $\underline{\mathbf{1}}$ PrimalNode:  $\underline{\mathbf{0}}$ ColumnCount:  $\underline{\mathbf{27}}$ TotalCutCount:  $\underline{\mathbf{0}}$ RootCutCount:  $\underline{\mathbf{0}}$ LPSolverCnt:  $\underline{\mathbf{1}}$ PricingSolverCnt:  $\underline{\mathbf{0}}$ BranchAndBoundNum:  $\underline{\mathbf{1}}$ 

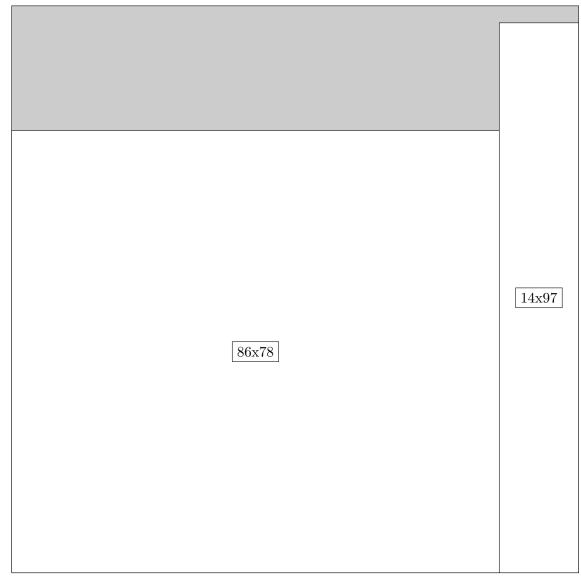
isOpt: **true** 

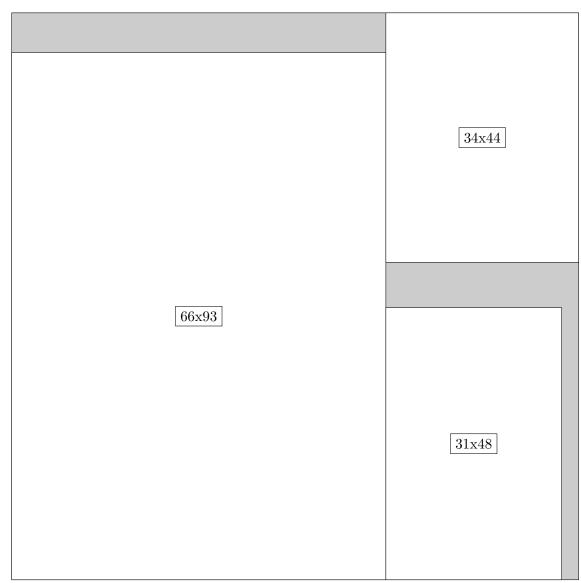
 $\begin{array}{ll} {\rm TimeOnInitSolution:} \ \underline{0.200 \ s} \\ {\rm TimeOnPrimal:} \ \underline{0.000 \ s} \\ {\rm TimeOnPricing:} \ \underline{0.000 \ s} \\ {\rm TimeOnRmp:} \ \underline{0.094 \ s} \\ {\rm TotalTime:} \ \underline{0.340 \ s} \end{array}$ 



$$\begin{array}{l} w = \! 97 \ , \ h = \! 79 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 7663 \\ w = \! 72 \ , \ h = \! 21 \ , \ x = \! 28 \ , \ y = \! 79 \ , \ v = \! 1512 \\ w = \! 2 \ , \ h = \! 71 \ , \ x = \! 97 \ , \ y = \! 0 \ , \ v = \! 142 \end{array}$$







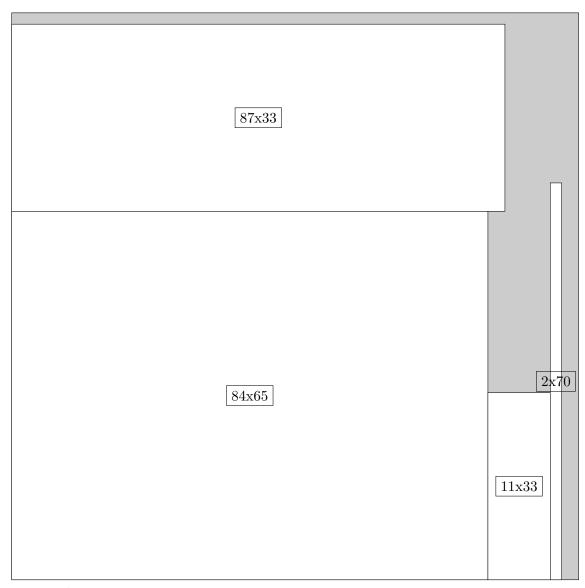
$$\le =66$$
 , h =93 , x =0 , y =0 , v =6138

$$\le =34$$
 , h =44 , x =66 , y =56 , v =1496

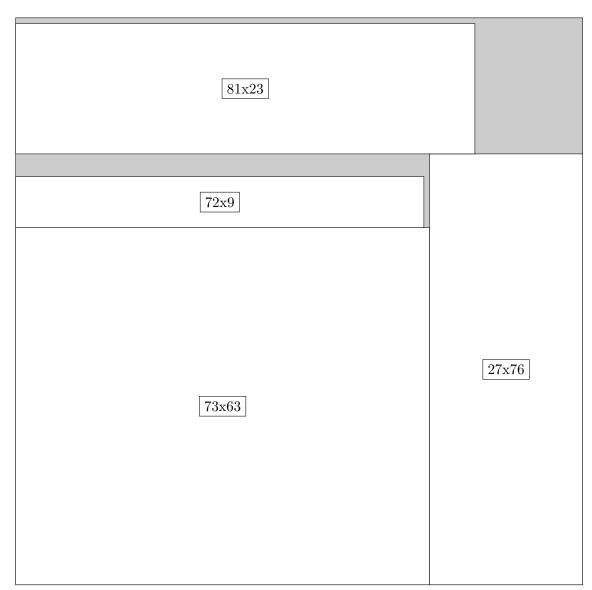
$$\le =31$$
 ,  $h=48$  ,  $x=66$  ,  $y=0$  ,  $v=1488$ 



$$\begin{array}{l} w = \! 91 \; , \; h = \! 63 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 5733 \\ w = \! 48 \; , \; h = \! 37 \; , \; x = \! 0 \; , \; y = \! 63 \; , \; v = \! 1776 \\ w = \! 9 \; , \; h = \! 87 \; , \; x = \! 91 \; , \; y = \! 0 \; , \; v = \! 783 \\ w = \! 37 \; , \; h = \! 12 \; , \; x = \! 48 \; , \; y = \! 63 \; , \; v = \! 444 \end{array}$$



 $\begin{array}{l} w = \! 84 \; , \; h = \! 65 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 5460 \\ w = \! 87 \; , \; h = \! 33 \; , \; x = \! 0 \; , \; y = \! 65 \; , \; v = \! 2871 \\ w = \! 11 \; , \; h = \! 33 \; , \; x = \! 84 \; , \; y = \! 0 \; , \; v = \! 363 \\ w = \! 2 \; , \; h = \! 70 \; , \; x = \! 95 \; , \; y = \! 0 \; , \; v = \! 140 \end{array}$ 

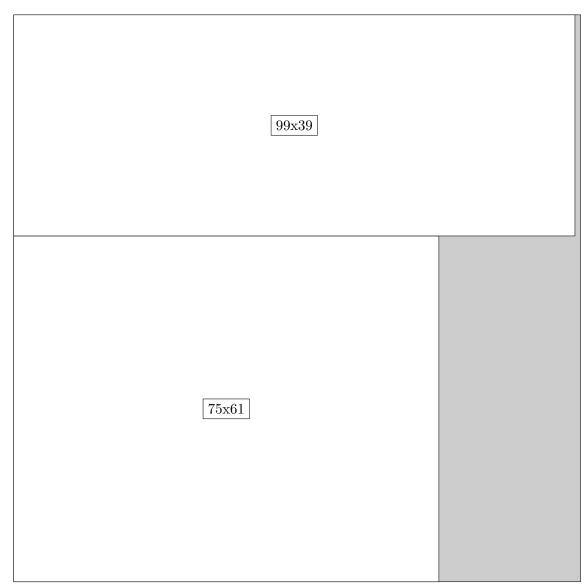


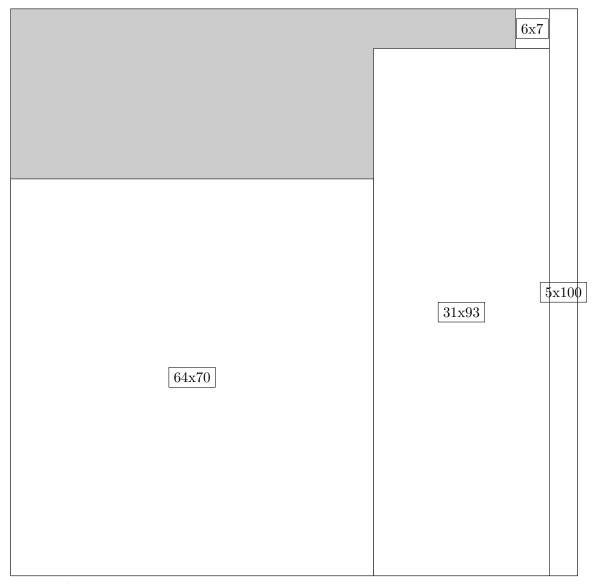
$$\le -73$$
 , h =63 , x =0 , y =0 , v =4599

$$\le =27$$
 ,  $h$  =76 ,  $x$  =73 ,  $y$  =0 ,  $v$  =2052

$$\le =81$$
 ,  $h$  =23 ,  $x$  =0 ,  $y$  =76 ,  $v$  =1863

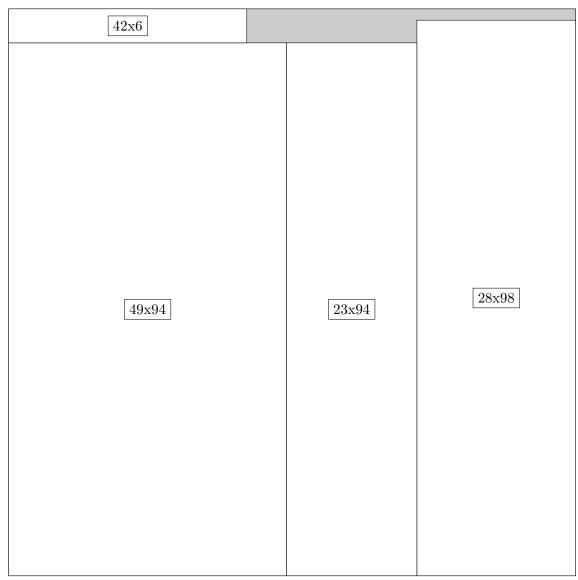
$$\mathbf{w}$$
 =72 , h =9 , x =0 , y =63 , v =648





 $\begin{array}{l} w = \!64 \; , \; h = \!70 \; , \; x = \!0 \; , \; y = \!0 \; , \; v = \!4480 \\ w = \!31 \; , \; h = \!93 \; , \; x = \!64 \; , \; y = \!0 \; , \; v = \!2883 \\ w = \!5 \; , \; h = \!100 \; , \; x = \!95 \; , \; y = \!0 \; , \; v = \!500 \end{array}$ 

 $\mathbf{w}$  =6 , h =7 , x =89 , y =93 , v =42

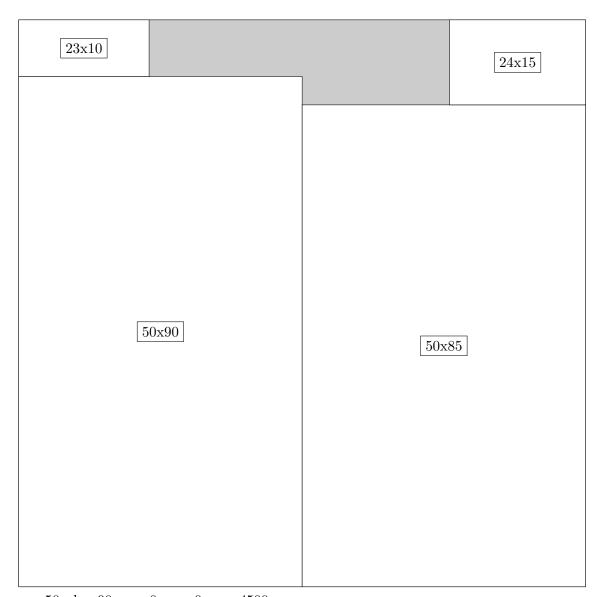


$$\mathbf{w}$$
 =49 , h =94 , x =0 , y =0 , v =4606

$$\le =28$$
 , h =98 , x =72 , y =0 , v =2744

$$\le =23$$
 , h =94 , x =49 , y =0 , v =2162

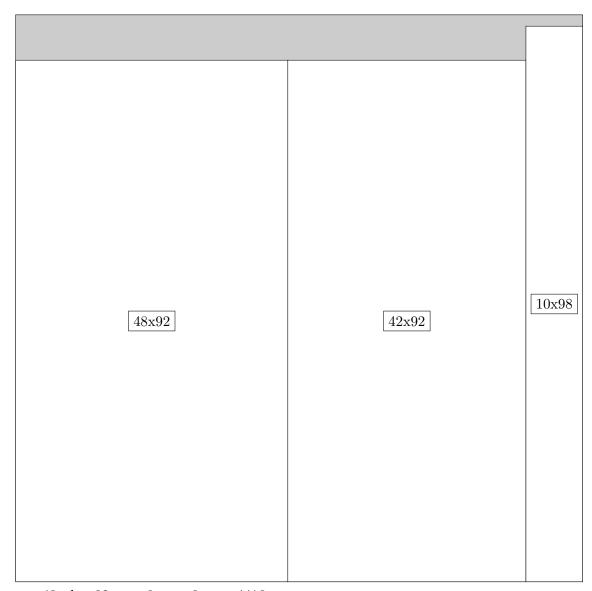
$$\mathbf{w}=\!\!42$$
 ,  $\mathbf{h}=\!\!6$  ,  $\mathbf{x}=\!\!0$  ,  $\mathbf{y}=\!\!94$  ,  $\mathbf{v}=\!\!252$ 



$$\begin{array}{l} w = \! 50 \ , \ h = \! 90 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 4500 \\ w = \! 50 \ , \ h = \! 85 \ , \ x = \! 50 \ , \ y = \! 0 \ , \ v = \! 4250 \end{array}$$

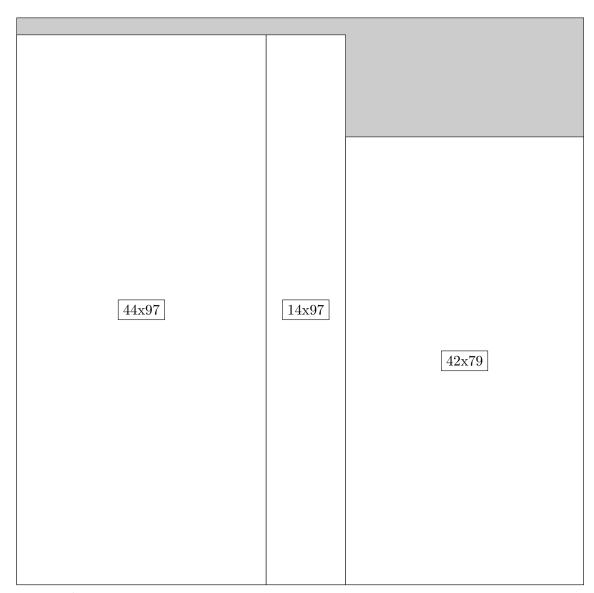
$$w=24$$
 ,  $h=\!15$  ,  $x=\!76$  ,  $y=\!85$  ,  $v=\!360$ 

$$w = 23$$
,  $h = 10$ ,  $x = 0$ ,  $y = 90$ ,  $v = 230$ 

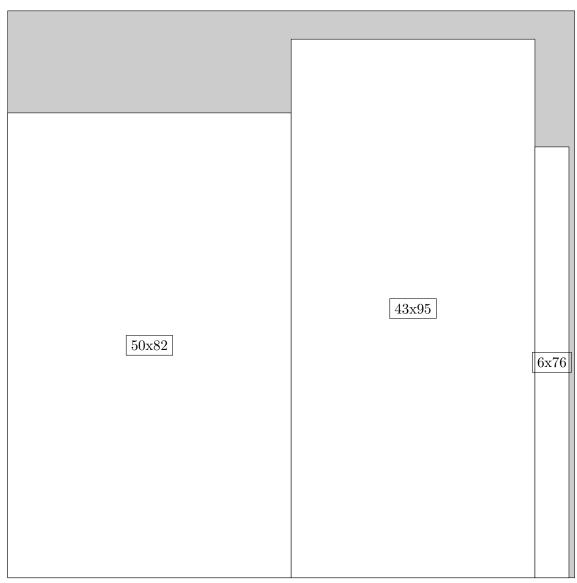


 $\begin{array}{l} w = \! 48 \; , \; h = \! 92 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 4416 \\ w = \! 42 \; , \; h = \! 92 \; , \; x = \! 48 \; , \; y = \! 0 \; , \; v = \! 3864 \end{array}$ 

 $w=\!10$  ,  $h=\!98$  ,  $x=\!90$  ,  $y=\!0$  ,  $v=\!980$ 



w = 14, h = 97, x = 44, y = 0, v = 1358



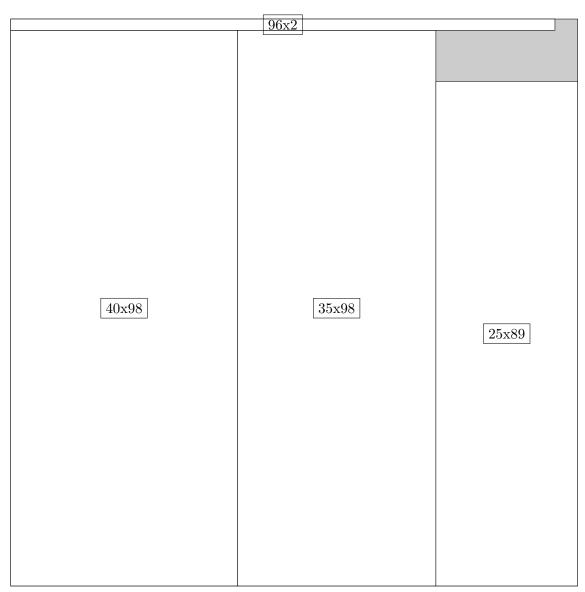
 $\begin{array}{l} w = \! 50 \ , \ h = \! 82 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 4100 \\ w = \! 43 \ , \ h = \! 95 \ , \ x = \! 50 \ , \ y = \! 0 \ , \ v = \! 4085 \\ w = \! 6 \ , \ h = \! 76 \ , \ x = \! 93 \ , \ y = \! 0 \ , \ v = \! 456 \end{array}$ 

10x20		
$\boxed{49\text{x}80}$	19x80	32x96

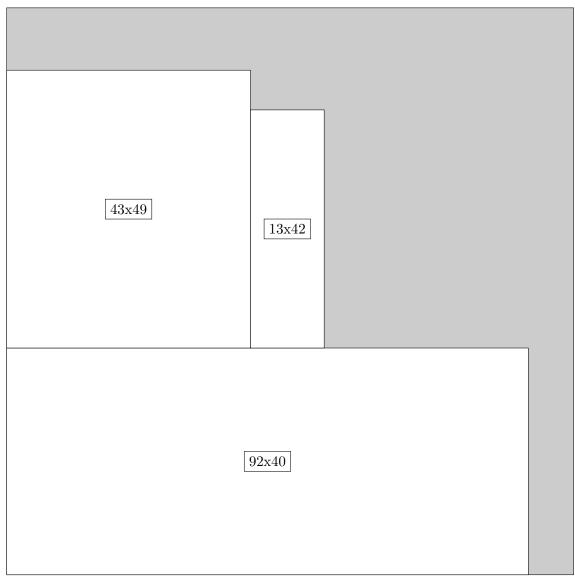
$$\begin{array}{l} w = \! 49 \ , \ h = \! 80 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 3920 \\ w = \! 32 \ , \ h = \! 96 \ , \ x = \! 68 \ , \ y = \! 0 \ , \ v = \! 3072 \end{array}$$

$$\le =19$$
 , h =80 , x =49 , y =0 , v =1520

$$\le =10$$
 ,  $h$  =20 ,  $x$  =0 ,  $y$  =80 ,  $v$  =200



 $\begin{array}{l} w = \!\! 40 \ , \ h = \!\! 98 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 3920 \\ w = \!\! 35 \ , \ h = \!\! 98 \ , \ x = \!\! 40 \ , \ y = \!\! 0 \ , \ v = \!\! 3430 \\ w = \!\! 25 \ , \ h = \!\! 89 \ , \ x = \!\! 75 \ , \ y = \!\! 0 \ , \ v = \!\! 2225 \\ w = \!\! 96 \ , \ h = \!\! 2 \ , \ x = \!\! 0 \ , \ y = \!\! 98 \ , \ v = \!\! 192 \end{array}$ 



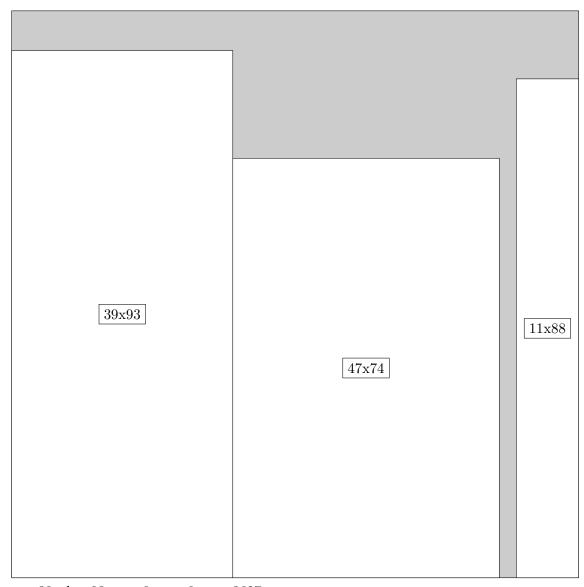
$$w = 92$$
,  $h = 40$ ,  $x = 0$ ,  $y = 0$ ,  $v = 3680$ 

$$\le =43$$
 , h =49 , x =0 , y =40 , v =2107

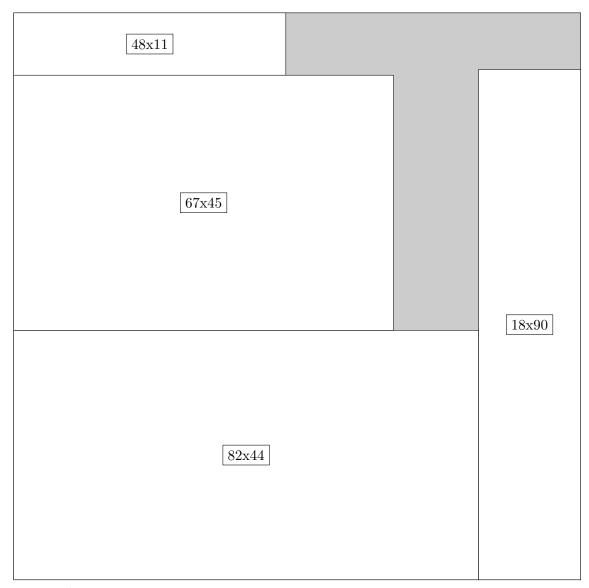
$$\le =13$$
 ,  $h=42$  ,  $x=43$  ,  $y=40$  ,  $v=546$ 

48x78	38x78	8x78	6x76

 $\begin{array}{l} w = \!\! 48 \ , \ h = \!\! 78 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 3744 \\ w = \!\! 38 \ , \ h = \!\! 78 \ , \ x = \!\! 48 \ , \ y = \!\! 0 \ , \ v = \!\! 2964 \\ w = \!\! 8 \ , \ h = \!\! 78 \ , \ x = \!\! 86 \ , \ y = \!\! 0 \ , \ v = \!\! 624 \\ w = \!\! 6 \ , \ h = \!\! 76 \ , \ x = \!\! 94 \ , \ y = \!\! 0 \ , \ v = \!\! 456 \end{array}$ 



$$\begin{array}{l} w = \! 39 \ , \ h = \! 93 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 3627 \\ w = \! 47 \ , \ h = \! 74 \ , \ x = \! 39 \ , \ y = \! 0 \ , \ v = \! 3478 \\ w = \! 11 \ , \ h = \! 88 \ , \ x = \! 89 \ , \ y = \! 0 \ , \ v = \! 968 \end{array}$$

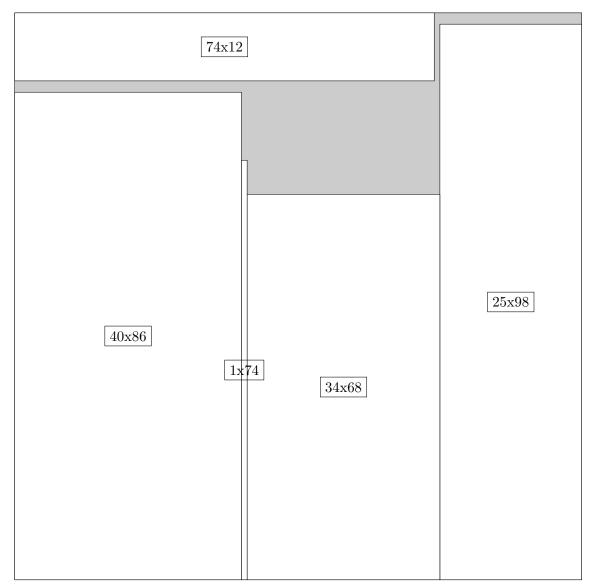


$$\le =82$$
 , h =44 , x =0 , y =0 , v =3608

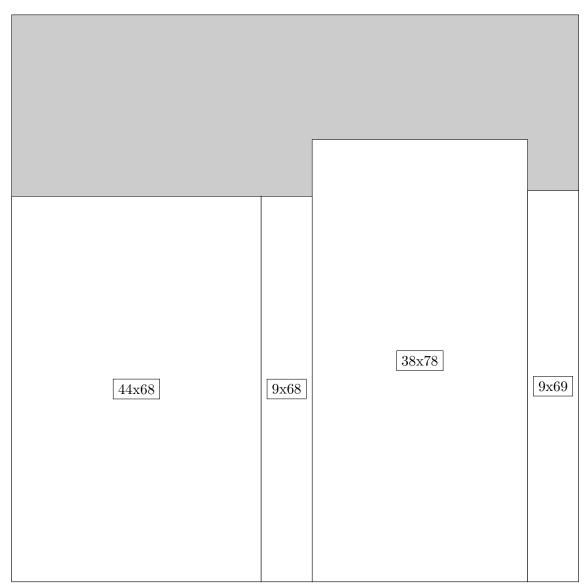
$$\le =67$$
 , h =45 , x =0 , y =44 , v =3015

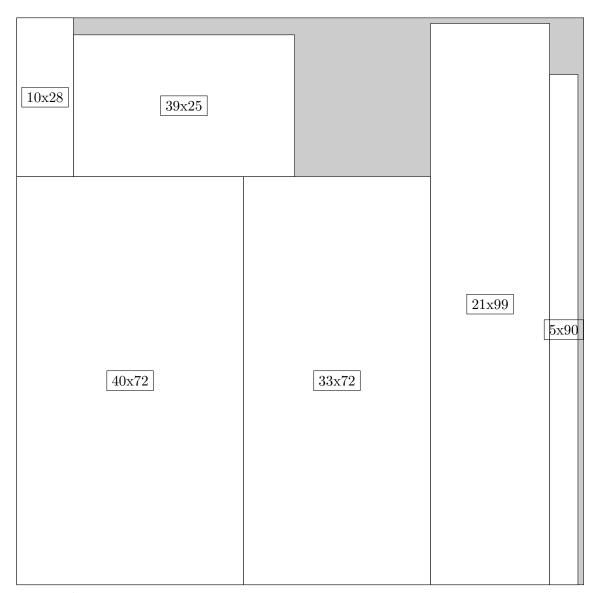
$$\le =18$$
 ,  $= =90$  ,  $= =82$  ,  $y = =0$  ,  $v = =1620$ 

$$\le =48$$
 ,  $h=\!11$  ,  $x=\!0$  ,  $y=\!89$  ,  $v=\!528$ 

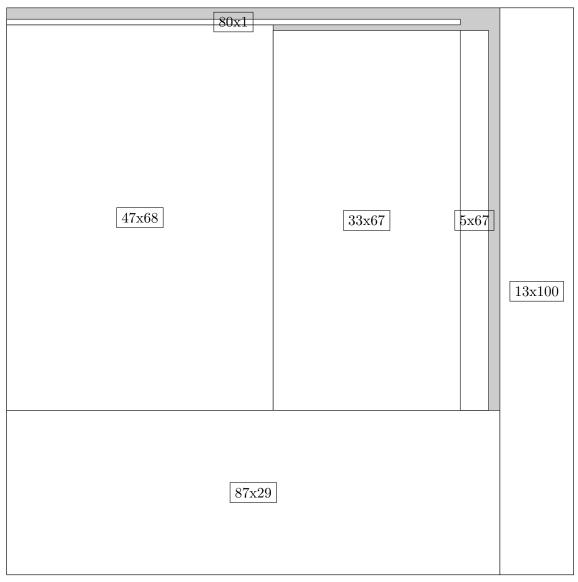


$$\begin{array}{l} w = \! 40 \; , \; h = \! 86 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 3440 \\ w = \! 25 \; , \; h = \! 98 \; , \; x = \! 75 \; , \; y = \! 0 \; , \; v = \! 2450 \\ w = \! 34 \; , \; h = \! 68 \; , \; x = \! 41 \; , \; y = \! 0 \; , \; v = \! 2312 \\ w = \! 74 \; , \; h = \! 12 \; , \; x = \! 0 \; , \; y = \! 88 \; , \; v = \! 888 \\ w = \! 1 \; , \; h = \! 74 \; , \; x = \! 40 \; , \; y = \! 0 \; , \; v = \! 74 \end{array}$$





$$\begin{array}{l} w = \! 40 \ , \ h = \! 72 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 2880 \\ w = \! 33 \ , \ h = \! 72 \ , \ x = \! 40 \ , \ y = \! 0 \ , \ v = \! 2376 \\ w = \! 21 \ , \ h = \! 99 \ , \ x = \! 73 \ , \ y = \! 0 \ , \ v = \! 2079 \\ w = \! 39 \ , \ h = \! 25 \ , \ x = \! 10 \ , \ y = \! 72 \ , \ v = \! 975 \\ w = \! 5 \ , \ h = \! 90 \ , \ x = \! 94 \ , \ y = \! 0 \ , \ v = \! 450 \\ w = \! 10 \ , \ h = \! 28 \ , \ x = \! 0 \ , \ y = \! 72 \ , \ v = \! 280 \end{array}$$



w = 47, h = 68, x = 0, y = 29, v = 3196

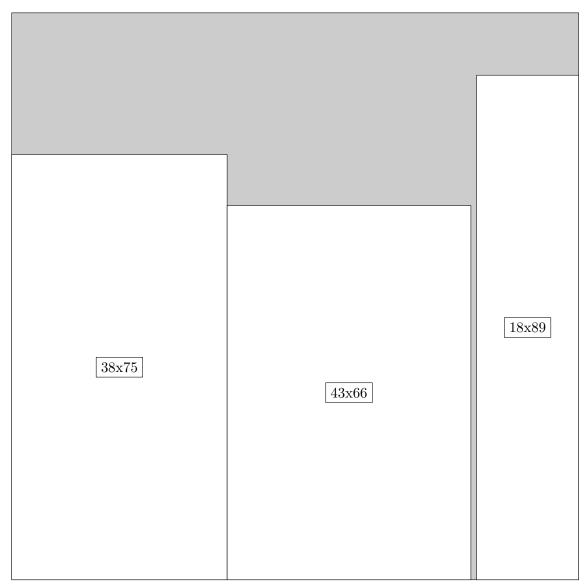
 $\le =33$  , h =67 , x =47 , y =29 , v =2211

w = 87, h = 29, x = 0, y = 0, v = 2523

 $\le =13$  , h =100 , x =87 , y =0 , v =1300

 $\le =5$  , h =67 , x =80 , y =29 , v =335

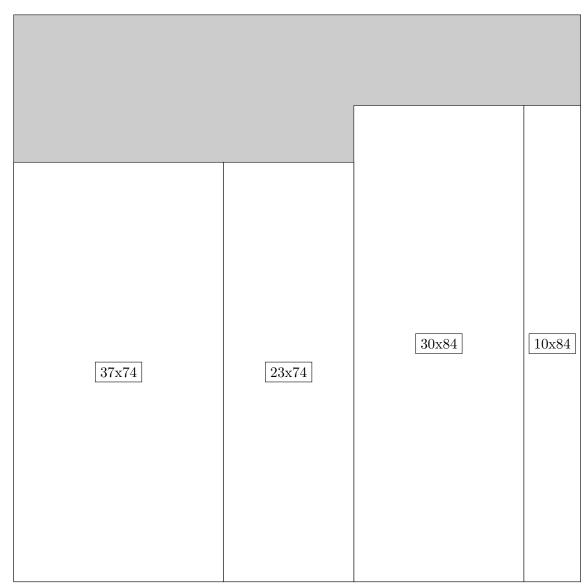
 $\le =80$  , h =1 , x =0 , y =97 , v =80



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

$$\le =43$$
 ,  $h=66$  ,  $x=38$  ,  $y=0$  ,  $v=2838$ 

$$\le =18$$
 ,  $h$  =89 ,  $x$  =82 ,  $y$  =0 ,  $v$  =1602

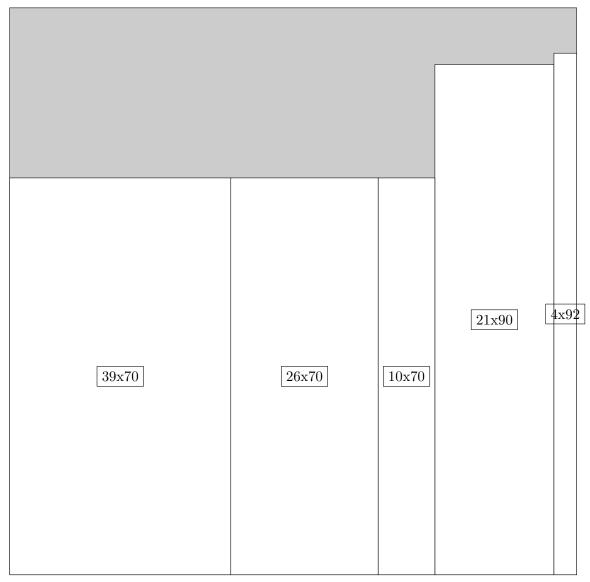


 $\le =37$  , h =74 , x =0 , y =0 , v =2738

 $\le =30$  , h =84 , x =60 , y =0 , v =2520

 $\le =23$  , h =74 , x =37 , y =0 , v =1702

 $\mathbf{w}$  =10 , h =84 , x =90 , y =0 , v =840



$$\le 39$$
 ,  $\le 70$  ,  $\ge 90$  ,  $\ge 90$  ,  $\ge 100$  ,

$$\le =21$$
 ,  $h$  =90 ,  $x$  =75 ,  $y$  =0 ,  $v$  =1890

$$\le =26$$
 , h =70 , x =39 , y =0 , v =1820

$$\mathbf{w}$$
 =10 , h =70 , x =65 , y =0 , v =700

$$w = 4$$
,  $h = 92$ ,  $x = 96$ ,  $y = 0$ ,  $v = 368$