${\bf ClassName:}~{\bf Class\_05.2bp\text{-}39}$ 

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

TypeNum: <u>80</u> Num: <u>80</u> OutS: <u>230000</u> InS: <u>203709</u> Rate: <u>0.886</u> UB: <u>23</u> LB0: <u>23</u>

LBWithCut:  $\underline{\mathbf{23}}$  NodeCut:  $\underline{\mathbf{0}}$ 

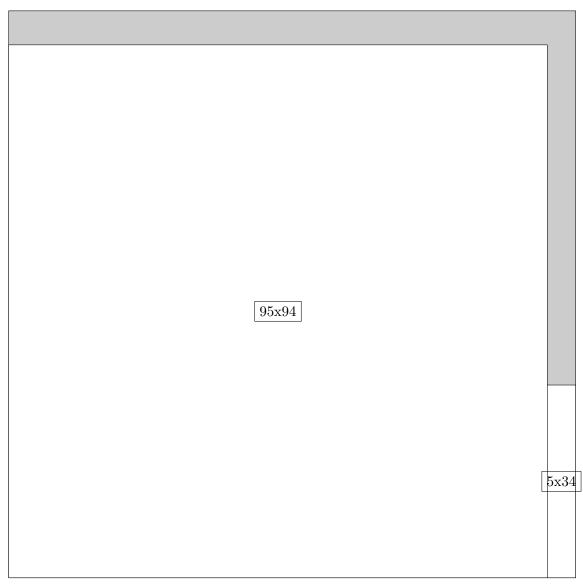
ExtendedNodeCnt:  $\underline{\mathbf{1}}$ 

GenNodeCnt:  $\underline{\mathbf{1}}$ PrimalNode:  $\underline{\mathbf{0}}$ ColumnCount:  $\underline{\mathbf{23}}$ TotalCutCount:  $\underline{\mathbf{0}}$ RootCutCount:  $\underline{\mathbf{0}}$ LPSolverCnt:  $\underline{\mathbf{1}}$ PricingSolverCnt:  $\underline{\mathbf{0}}$ BranchAndBoundNum:  $\underline{\mathbf{1}}$ 

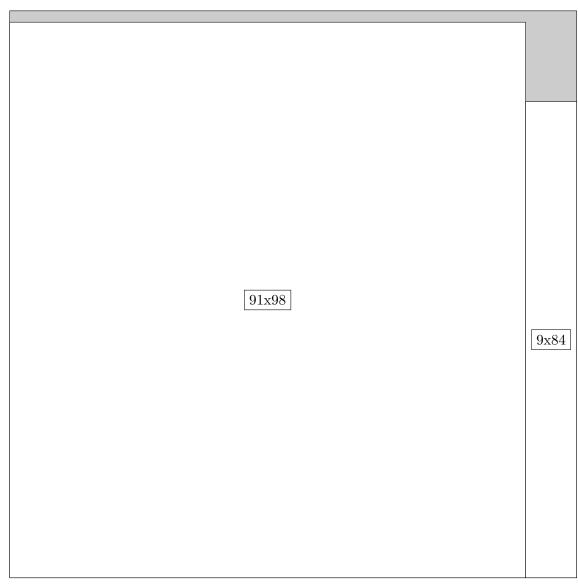
isOpt:  $\underline{\mathbf{true}}$ 

TimeOnInitSolution:  $\underline{120.010 \text{ s}}$ 

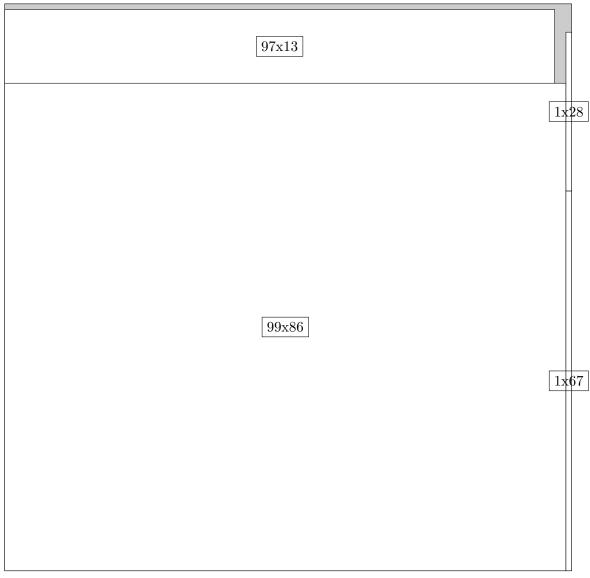
TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.078 sTotalTime: 120.151 s



$$\begin{array}{l} w = \! 95 \ , \, h = \! 94 \ , \, x = \! 0 \ , \, y = \! 0 \ , \, v = \! 8930 \\ w = \! 5 \ , \, h = \! 34 \ , \, x = \! 95 \ , \, y = \! 0 \ , \, v = \! 170 \end{array}$$

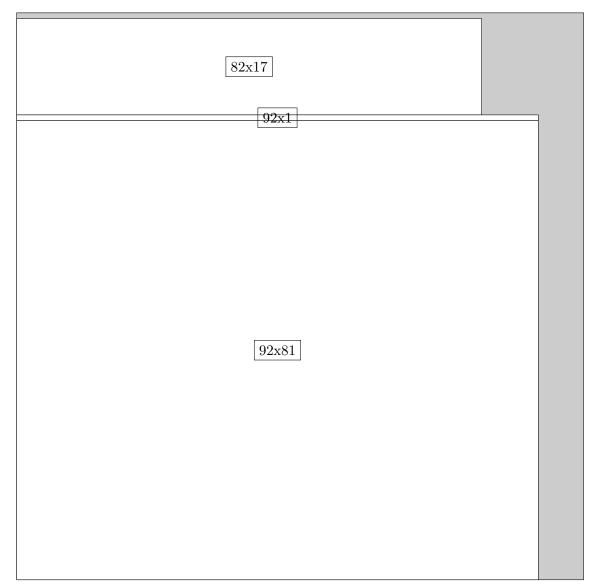


 $\begin{array}{l} w = \! 91 \ , \, h = \! 98 \ , \, x = \! 0 \ , \, y = \! 0 \ , \, v = \! 8918 \\ w = \! 9 \ , \, h = \! 84 \ , \, x = \! 91 \ , \, y = \! 0 \ , \, v = \! 756 \end{array}$ 

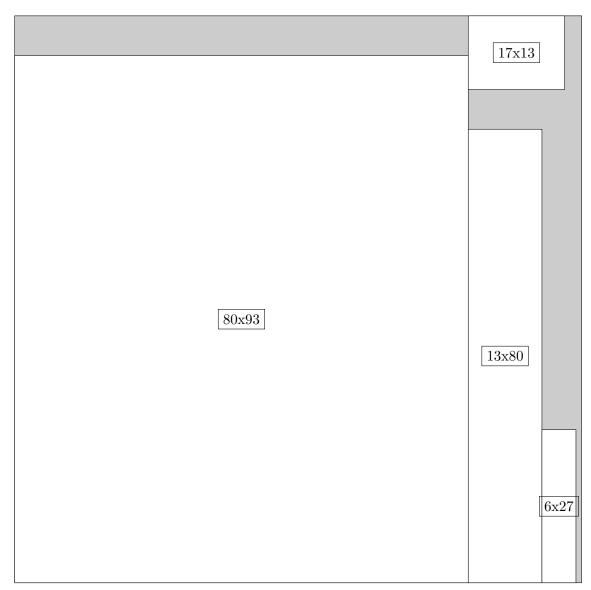


$$\begin{array}{l} w = 99 \ , \ h = 86 \ , \ x = 0 \ , \ y = 0 \ , \ v = 8514 \\ w = 97 \ , \ h = 13 \ , \ x = 0 \ , \ y = 86 \ , \ v = 1261 \\ w = 1 \ , \ h = 67 \ , \ x = 99 \ , \ y = 0 \ , \ v = 67 \end{array}$$

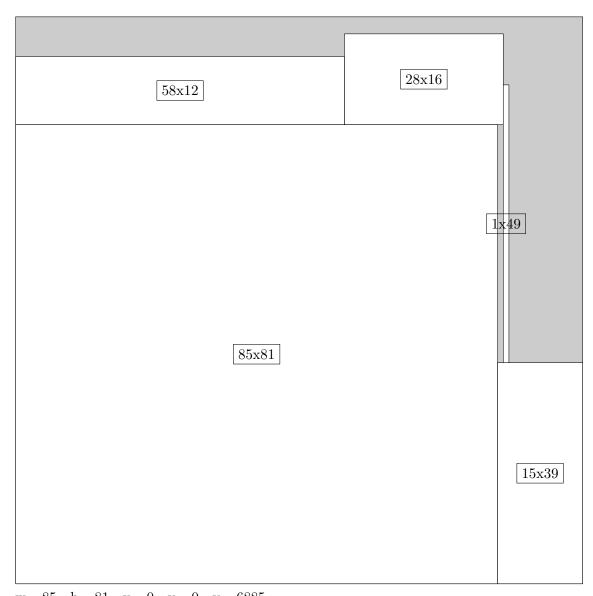
 $\mathbf{w}$  =1 , h =28 , x =99 , y =67 , v =28



$$\begin{array}{l} w = 92 \ , \ h = 81 \ , \ x = 0 \ , \ y = 0 \ , \ v = 7452 \\ w = 82 \ , \ h = 17 \ , \ x = 0 \ , \ y = 82 \ , \ v = 1394 \\ w = 92 \ , \ h = 1 \ , \ x = 0 \ , \ y = 81 \ , \ v = 92 \end{array}$$



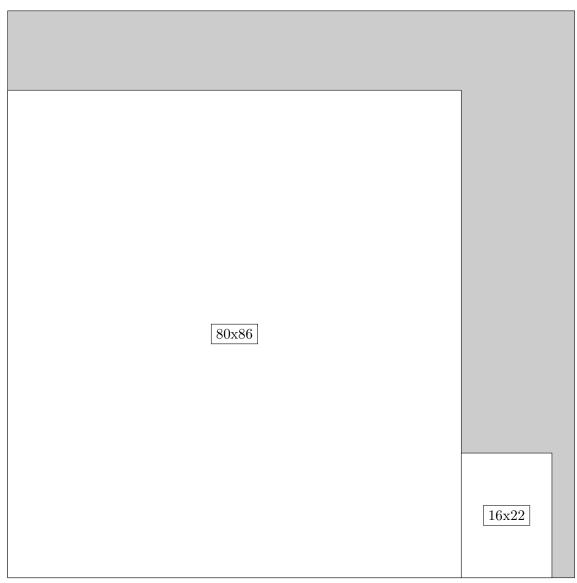
 $\begin{array}{l} w = \! 80 \ , \ h = \! 93 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 7440 \\ w = \! 13 \ , \ h = \! 80 \ , \ x = \! 80 \ , \ y = \! 0 \ , \ v = \! 1040 \\ w = \! 17 \ , \ h = \! 13 \ , \ x = \! 80 \ , \ y = \! 87 \ , \ v = \! 221 \\ w = \! 6 \ , \ h = \! 27 \ , \ x = \! 93 \ , \ y = \! 0 \ , \ v = \! 162 \end{array}$ 

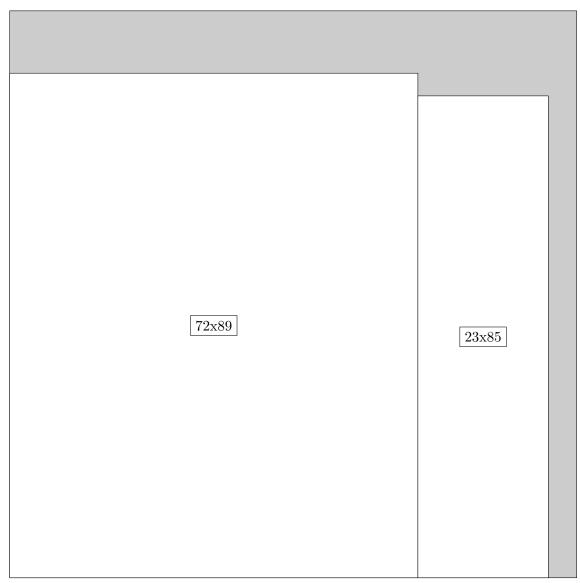


 $\begin{array}{l} w = \! 85 \; , \; h = \! 81 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 6885 \\ w = \! 58 \; , \; h = \! 12 \; , \; x = \! 0 \; , \; y = \! 81 \; , \; v = \! 696 \\ w = \! 15 \; , \; h = \! 39 \; , \; x = \! 85 \; , \; y = \! 0 \; , \; v = \! 585 \end{array}$ 

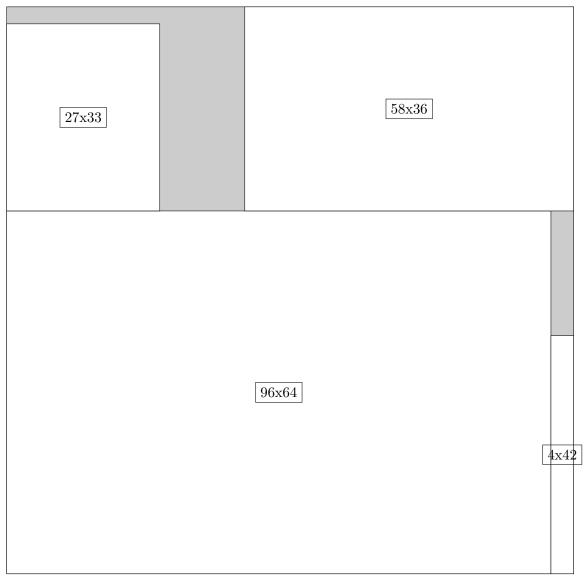
w =28 , h =16 , x =58 , y =81 , v =448

 $\le =1$  , h =49 , x =86 , y =39 , v =49





$$\begin{array}{c} w = 72 \ , \ h = 89 \ , \ x = 0 \ , \ y = 0 \ , \ v = 6408 \\ w = 23 \ , \ h = 85 \ , \ x = 72 \ , \ y = 0 \ , \ v = 1955 \end{array}$$

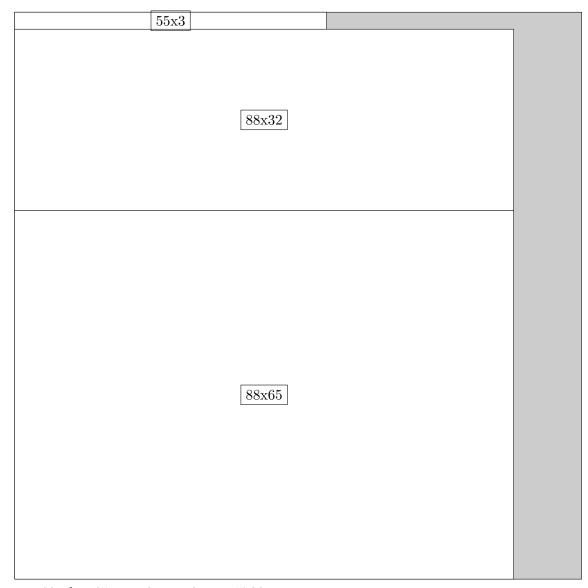


 $\le =96$  , h =64 , x =0 , y =0 , v =6144

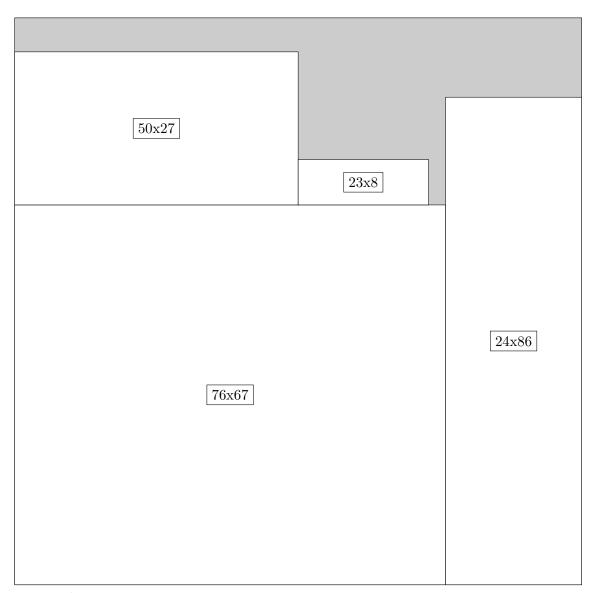
 $\le =58$  , h =36 , x =42 , y =64 , v =2088

 $\le =27$  , h =33 , x =0 , y =64 , v =891

 $\mathbf{w}$  =4 , h =42 , x =96 , y =0 , v =168



$$\begin{array}{l} w = \! 88 \ , \ h = \! 65 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 5720 \\ w = \! 88 \ , \ h = \! 32 \ , \ x = \! 0 \ , \ y = \! 65 \ , \ v = \! 2816 \\ w = \! 55 \ , \ h = \! 3 \ , \ x = \! 0 \ , \ y = \! 97 \ , \ v = \! 165 \end{array}$$



$$\le =76$$
 ,  $h$  =67 ,  $x$  =0 ,  $y$  =0 ,  $v$  =5092

$$\le =24$$
 , h =86 , x =76 , y =0 , v =2064

$$\le =50$$
 , h =27 , x =0 , y =67 , v =1350

$$\le =23$$
 , h =8 , x =50 , y =67 , v =184

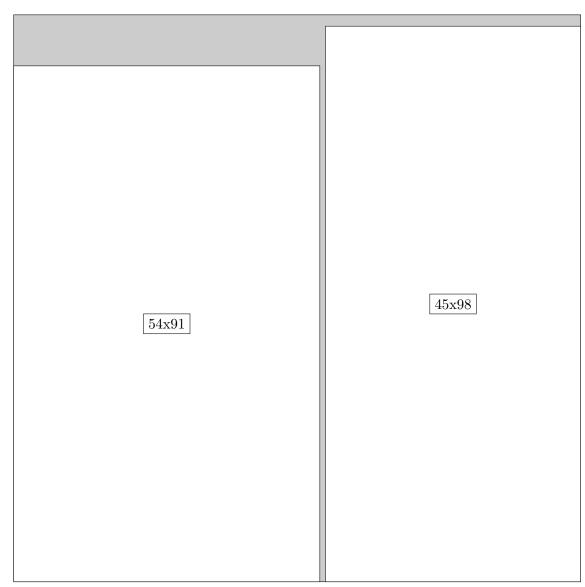
| <br>  |       |  |
|-------|-------|--|
| 65x12 | 65x12 |  |
| 57x17 |       |  |
|       |       |  |
| 71x71 | 29x88 |  |
|       |       |  |
|       |       |  |

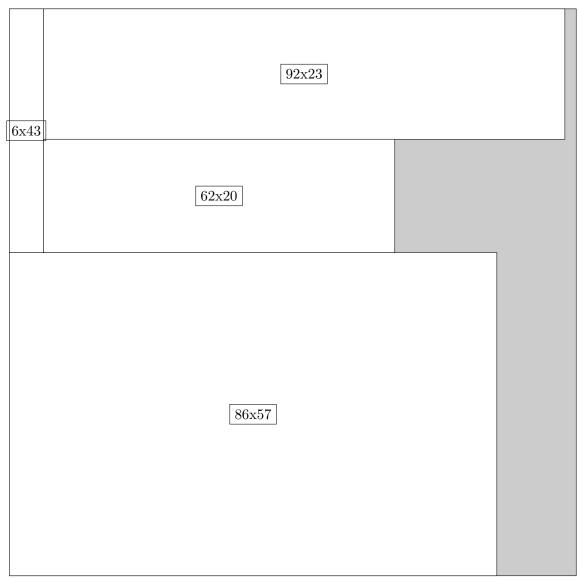
$$\mathbf{w}$$
 =71 , h =71 , x =0 , y =0 , v =5041

$$\le =29$$
 , h =88 , x =71 , y =0 , v =2552

$$\le 57$$
 , h =17 , x =14 , y =71 , v =969

$$\le =65$$
 , h =12 , x =35 , y =88 , v =780



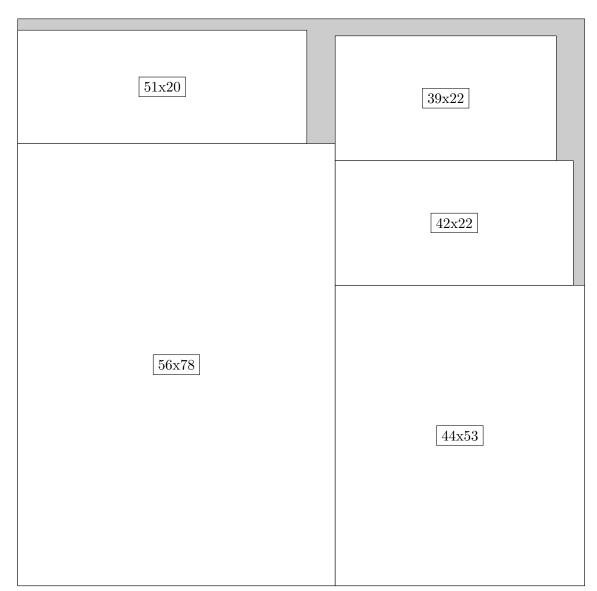


$$\le =86$$
 ,  $h=\!57$  ,  $x=\!0$  ,  $y=\!0$  ,  $v=\!4902$ 

$$\le =92$$
 , h =23 , x =6 , y =77 , v =2116

$$\le =62$$
 , h =20 , x =6 , y =57 , v =1240

$$\mathbf{w}$$
 =6 , h =43 , x =0 , y =57 , v =258



$$w = 56$$
,  $h = 78$ ,  $x = 0$ ,  $y = 0$ ,  $v = 4368$ 

$$\le =44$$
 , h =53 , x =56 , y =0 , v =2332

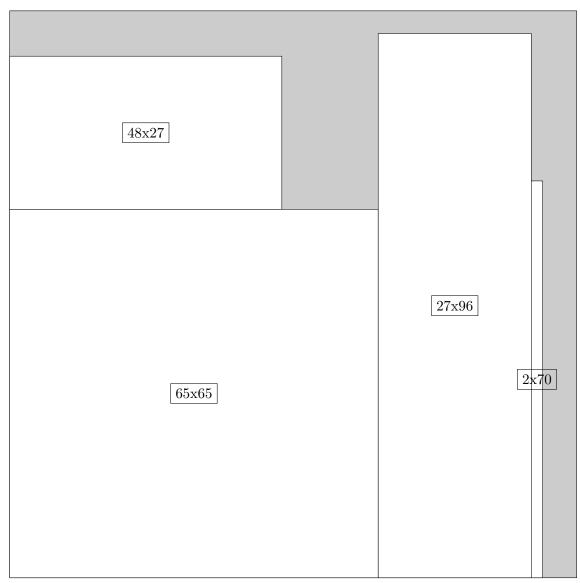
$$\le =51$$
 , h =20 , x =0 , y =78 , v =1020

$$\le =42$$
 , h =22 , x =56 , y =53 , v =924

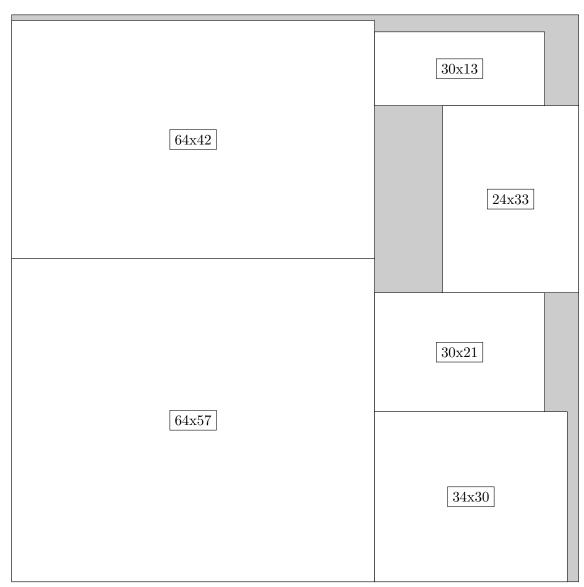
$$\le =39$$
 , h =22 , x =56 , y =75 , v =858



$$\begin{array}{c} w = 79 \ , \ h = 54 \ , \ x = 0 \ , \ y = 0 \ , \ v = 4266 \\ w = 78 \ , \ h = 44 \ , \ x = 0 \ , \ y = 54 \ , \ v = 3432 \\ \end{array}$$



 $\begin{array}{l} w = \!\!65 \ , \ h = \!\!65 \ , \ x = \!\!0 \ , \ y = \!\!0 \ , \ v = \!\!4225 \\ w = \!\!27 \ , \ h = \!\!96 \ , \ x = \!\!65 \ , \ y = \!\!0 \ , \ v = \!\!2592 \\ w = \!\!48 \ , \ h = \!\!27 \ , \ x = \!\!0 \ , \ y = \!\!65 \ , \ v = \!\!1296 \\ w = \!\!2 \ , \ h = \!\!70 \ , \ x = \!\!92 \ , \ y = \!\!0 \ , \ v = \!\!140 \end{array}$ 



$$\mathbf{w}$$
 =64 , h =57 , x =0 , y =0 , v =3648

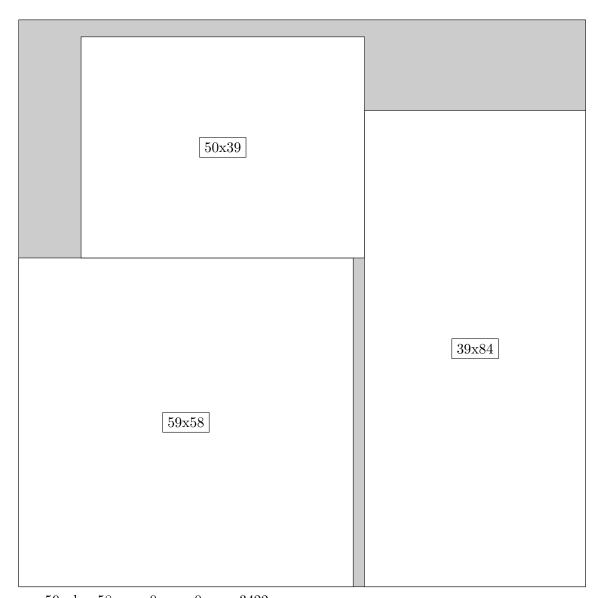
$$w=\!30$$
 ,  $h=\!21$  ,  $x=\!64$  ,  $y=\!30$  ,  $v=\!630$ 

$$\le =64$$
 , h =42 , x =0 , y =57 , v =2688

$$\le =34$$
 , h =30 , x =64 , y =0 , v =1020

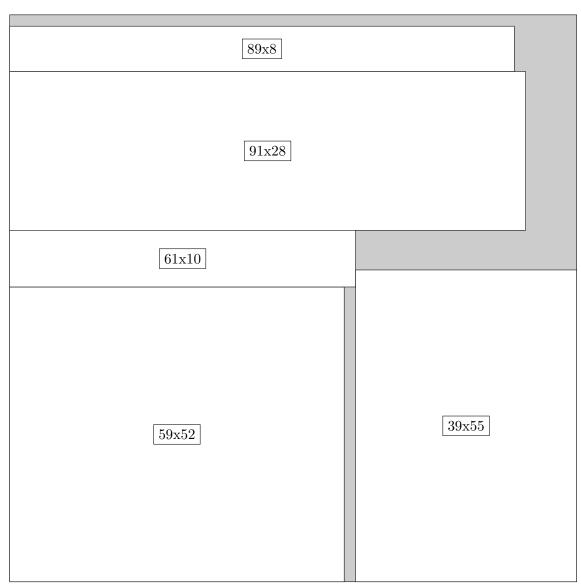
$$w=\!24$$
 ,  $h=\!33$  ,  $x=\!76$  ,  $y=\!51$  ,  $v=\!792$ 

$$\le =30$$
 ,  $h=13$  ,  $x=64$  ,  $y=84$  ,  $v=390$ 



$$\begin{array}{l} w = \! 59 \ , \ h = \! 58 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 3422 \\ w = \! 50 \ , \ h = \! 39 \ , \ x = \! 11 \ , \ y = \! 58 \ , \ v = \! 1950 \end{array}$$

$$\le =39$$
 , h =84 , x =61 , y =0 , v =3276



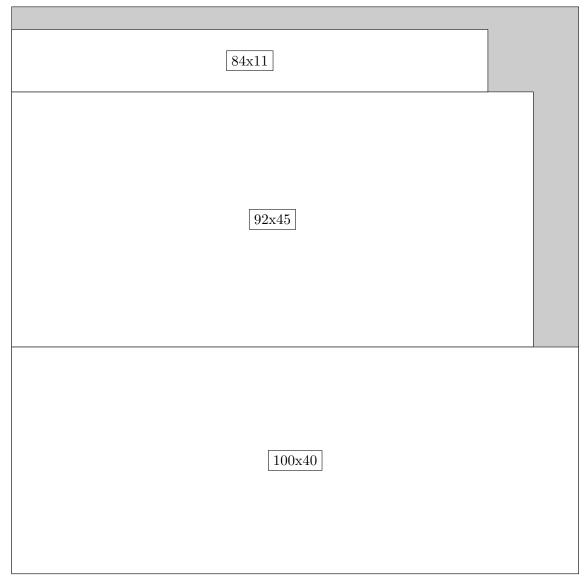
$$\le =59$$
 ,  $h=52$  ,  $x=0$  ,  $y=0$  ,  $v=3068$ 

$$\le =91$$
 , h =28 , x =0 , y =62 , v =2548

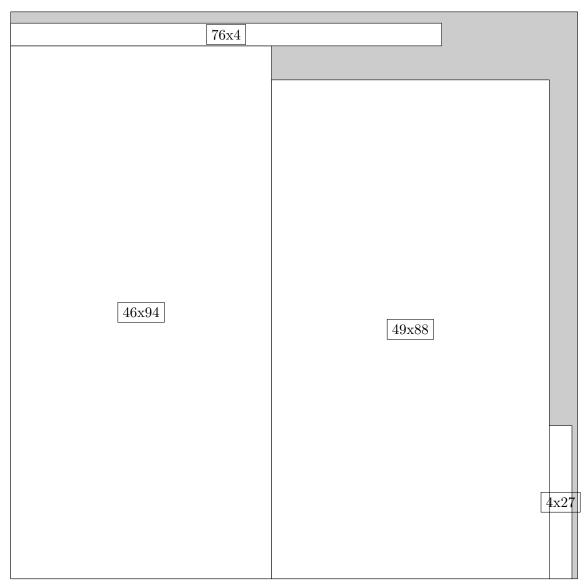
$$\le =39$$
 , h =55 , x =61 , y =0 , v =2145

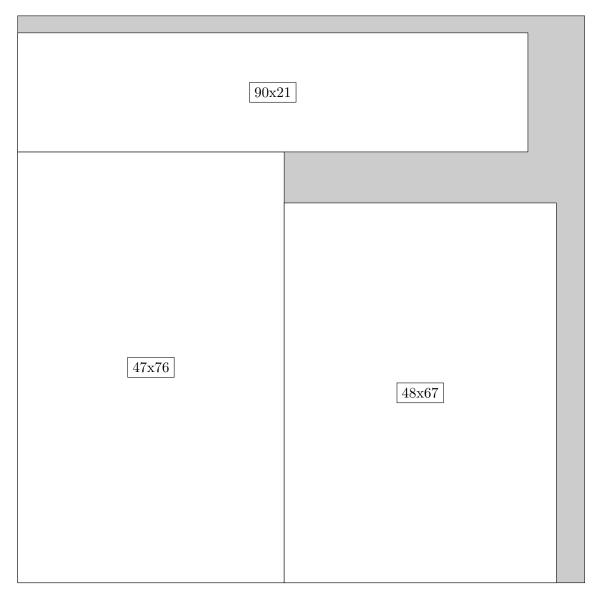
$$\le =89$$
 , h =8 , x =0 , y =90 , v =712

$$\mathbf{w}$$
 =61 , h =10 , x =0 , y =52 , v =610



$$\begin{array}{l} w = \! 92 \ , \ h = \! 45 \ , \ x = \! 0 \ , \ y = \! 40 \ , \ v = \! 4140 \\ w = \! 100 \ , \ h = \! 40 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 4000 \\ w = \! 84 \ , \ h = \! 11 \ , \ x = \! 0 \ , \ y = \! 85 \ , \ v = \! 924 \end{array}$$





$$w = 47$$
,  $h = 76$ ,  $x = 0$ ,  $y = 0$ ,  $v = 3572$ 

$$\le =48$$
 ,  $h=\!67$  ,  $x=\!47$  ,  $y=\!0$  ,  $v=\!3216$ 

$$\le =90$$
 , h =21 , x =0 , y =76 , v =1890