$ClassName: \ Class\_07.2bp-37$ 

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

TypeNum: <u>80</u> Num: <u>80</u> OutS: <u>230000</u> InS: <u>188955</u> Rate: <u>0.822</u> UB: <u>23</u> LB0: <u>23</u>

LBWithCut: **23** NodeCut: **0** 

LB: **23** 

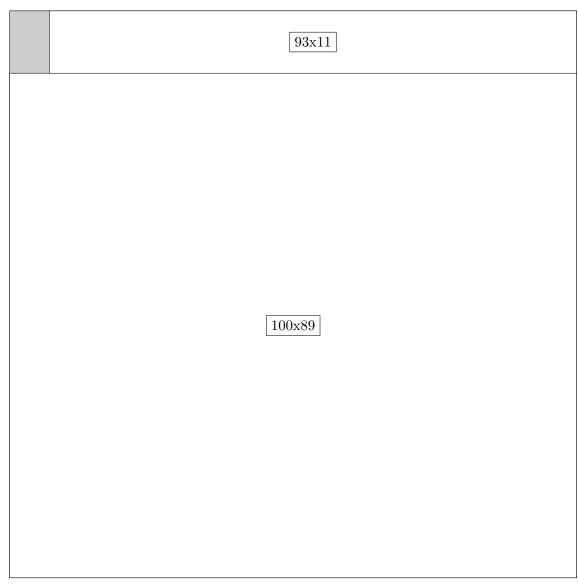
ExtendedNodeCnt:  $\underline{\mathbf{1}}$ 

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

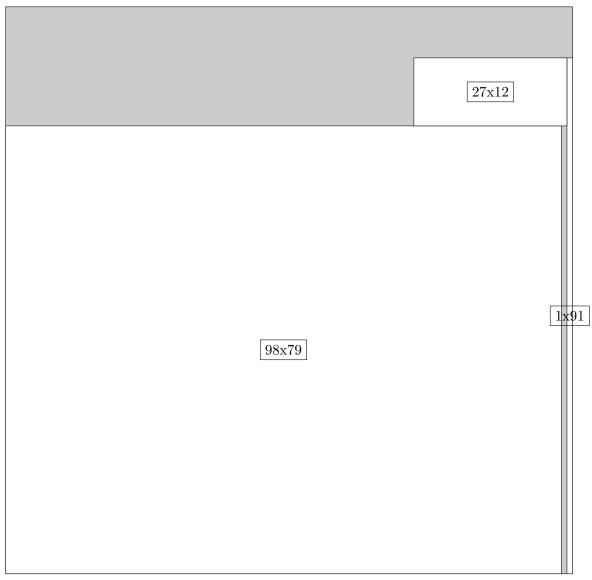
isOpt:  $\underline{\mathbf{true}}$ 

TimeOnInitSolution:  $\underline{120.020 \text{ s}}$ 

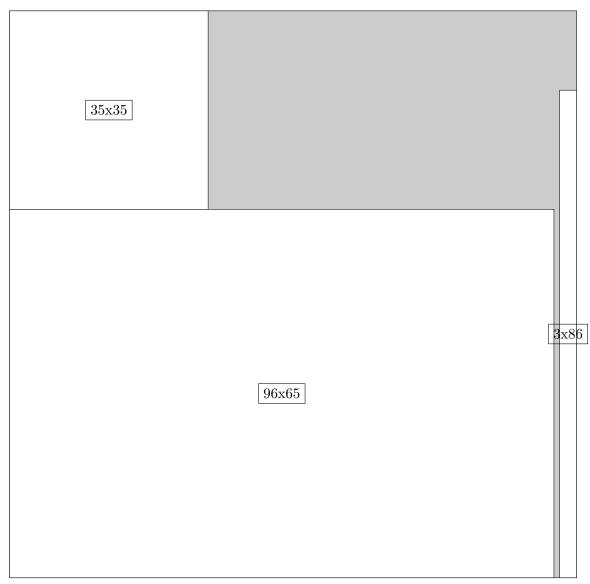
TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.063 sTotalTime: 120.145 s



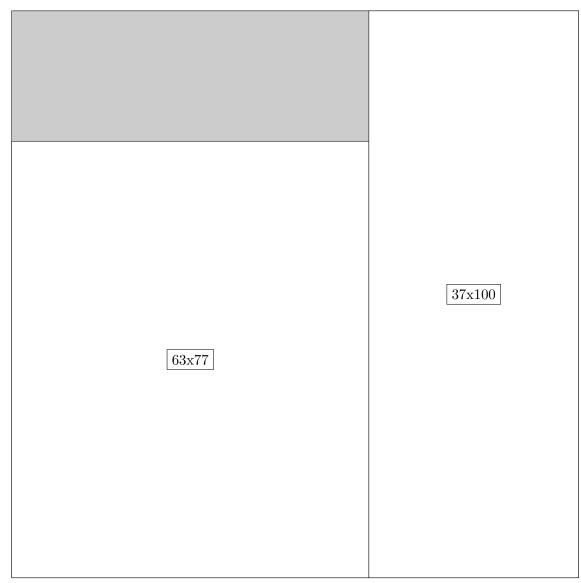
$$\begin{array}{c} w = \! 100 \; , \; h = \! 89 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 8900 \\ w = \! 93 \; , \; h = \! 11 \; , \; x = \! 7 \; , \; y = \! 89 \; , \; v = \! 1023 \\ \end{array}$$



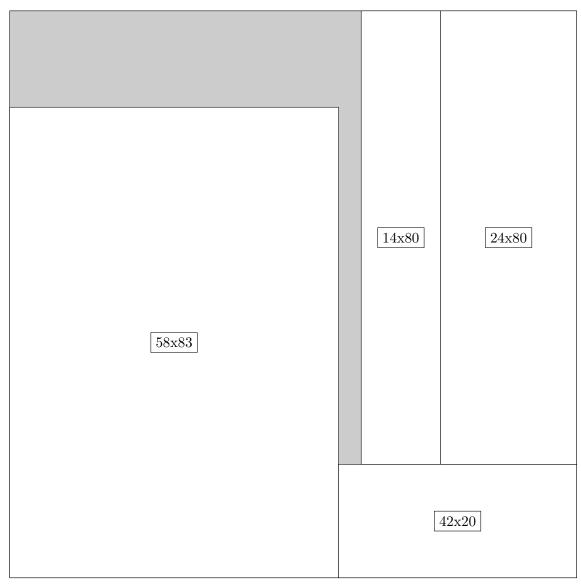
 $\begin{array}{l} w = \! 98 \; , \; h = \! 79 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 7742 \\ w = \! 1 \; , \; h = \! 91 \; , \; x = \! 99 \; , \; y = \! 0 \; , \; v = \! 91 \\ w = \! 27 \; , \; h = \! 12 \; , \; x = \! 72 \; , \; y = \! 79 \; , \; v = \! 324 \end{array}$ 



 $\begin{array}{l} w = \! 96 \ , \ h = \! 65 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 6240 \\ w = \! 35 \ , \ h = \! 35 \ , \ x = \! 0 \ , \ y = \! 65 \ , \ v = \! 1225 \\ w = \! 3 \ , \ h = \! 86 \ , \ x = \! 97 \ , \ y = \! 0 \ , \ v = \! 258 \end{array}$ 



w =63, h =77, x =0, y =0, v =4851 w =37, h =100, x =63, y =0, v =3700

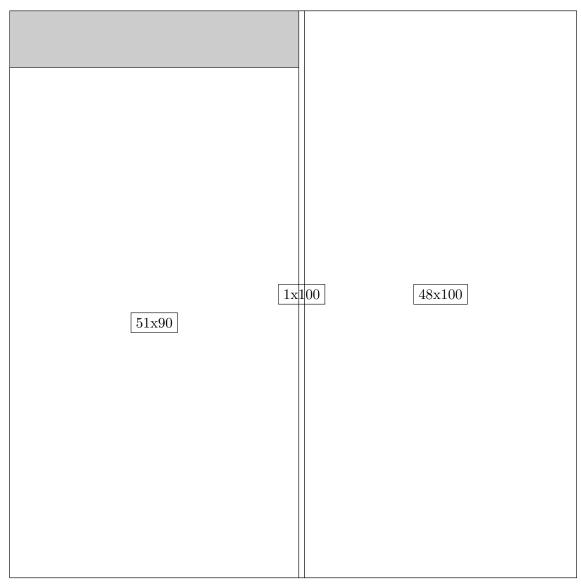


 $\le 58$  , h =83 , x =0 , y =0 , v =4814

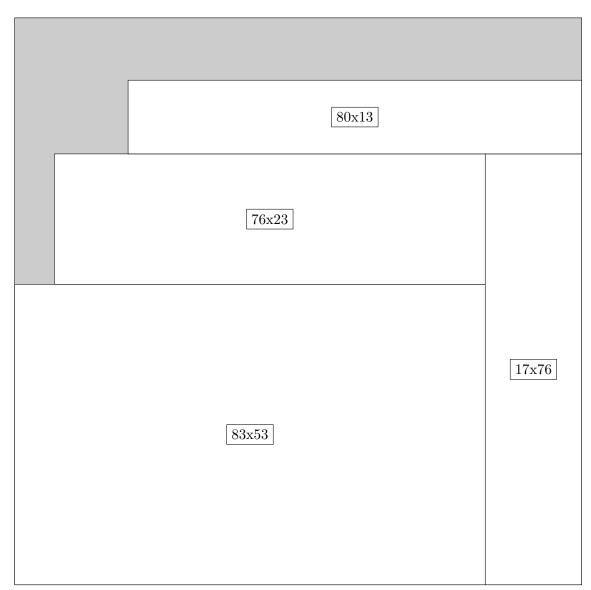
 $\le =24$  , h =80 , x =76 , y =20 , v =1920

 $\le =14$  , h =80 , x =62 , y =20 , v =1120

 $\mathbf{w}$  =42 , h =20 , x =58 , y =0 , v =840



 $\begin{array}{l} w = \! 48 \ , \ h = \! 100 \ , \ x = \! 52 \ , \ y = \! 0 \ , \ v = \! 4800 \\ w = \! 51 \ , \ h = \! 90 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 4590 \\ w = \! 1 \ , \ h = \! 100 \ , \ x = \! 51 \ , \ y = \! 0 \ , \ v = \! 100 \end{array}$ 

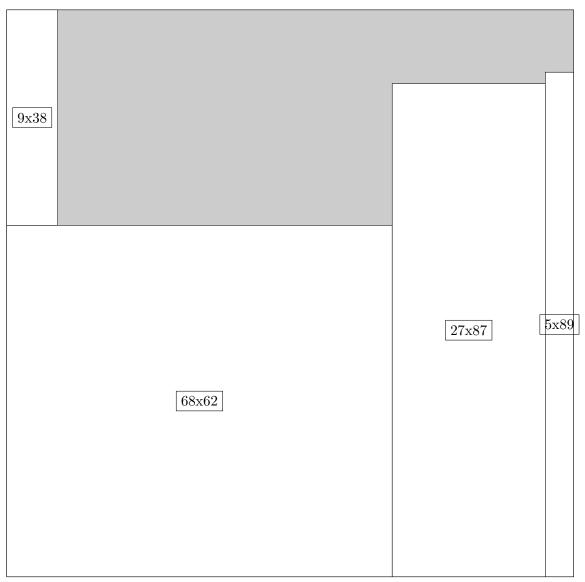


$$\le =83$$
 ,  $h$  =53 ,  $x$  =0 ,  $y$  =0 ,  $v$  =4399

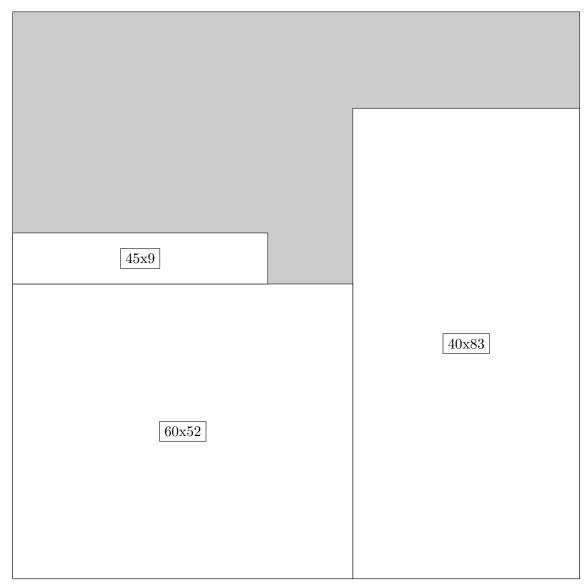
$$\le =76$$
 , h =23 , x =7 , y =53 , v =1748

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

$$\le =80$$
 , h =13 , x =20 , y =76 , v =1040



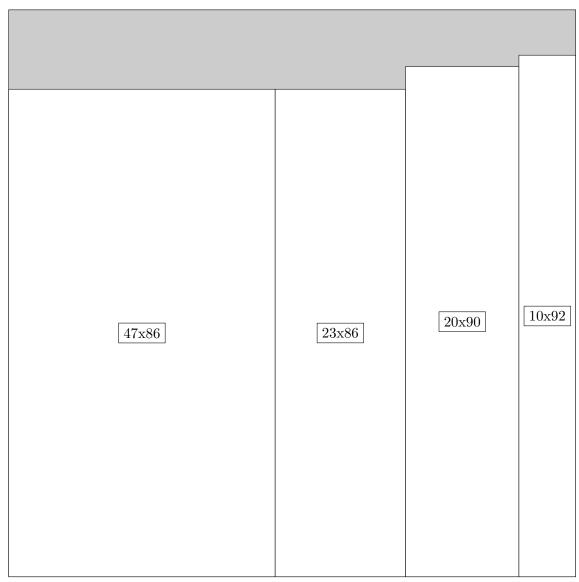
 $\begin{array}{l} w=68 \ , \ h=62 \ , \ x=0 \ , \ y=0 \ , \ v=4216 \\ w=27 \ , \ h=87 \ , \ x=68 \ , \ y=0 \ , \ v=2349 \\ w=5 \ , \ h=89 \ , \ x=95 \ , \ y=0 \ , \ v=445 \\ w=9 \ , \ h=38 \ , \ x=0 \ , \ y=62 \ , \ v=342 \end{array}$ 



$$\mathbf{w}$$
 =40 , h =83 , x =60 , y =0 , v =3320

$$\le =60$$
 , h =52 , x =0 , y =0 , v =3120

$$\le =45$$
 ,  $h=9$  ,  $x=0$  ,  $y=52$  ,  $v=405$ 

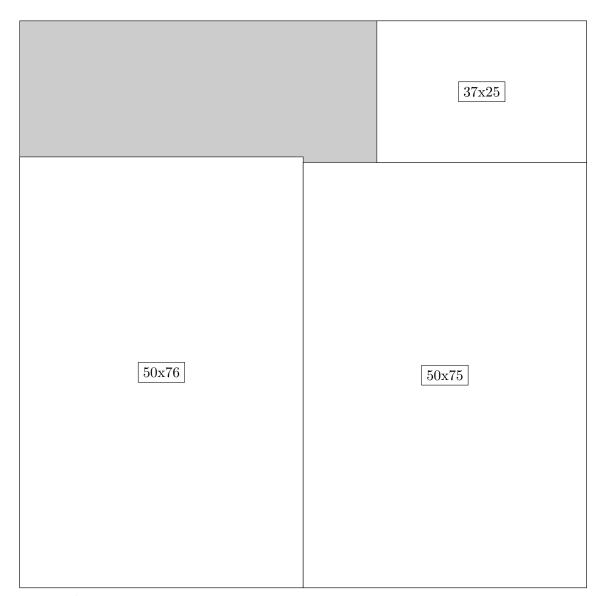


 $\le =47$  , h=86 , x=0 , y=0 , v=4042

 $\le =23$  , h =86 , x =47 , y =0 , v =1978

 $\le =20$  , h =90 , x =70 , y =0 , v =1800

 $\mathbf{w}$  =10 , h =92 , x =90 , y =0 , v =920



$$\begin{array}{l} w = \! 50 \ , \ h = \! 76 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 3800 \\ w = \! 50 \ , \ h = \! 75 \ , \ x = \! 50 \ , \ y = \! 0 \ , \ v = \! 3750 \end{array}$$

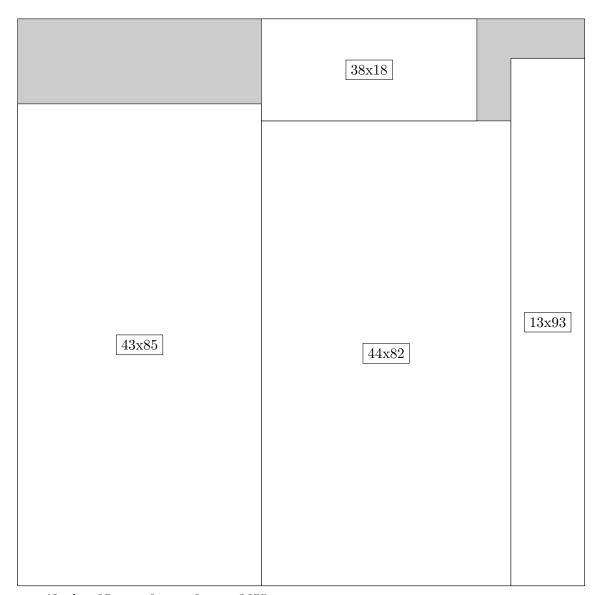
$$w = 37$$
,  $h = 25$ ,  $x = 63$ ,  $y = 75$ ,  $v = 925$ 

	89x22
75x50	25x78

$$\le =75$$
 , h =50 , x =0 , y =0 , v =3750

$$\le =25$$
 ,  $h$  =78 ,  $x$  =75 ,  $y$  =0 ,  $v$  =1950

$$\le =89$$
 , h =22 , x =11 , y =78 , v =1958

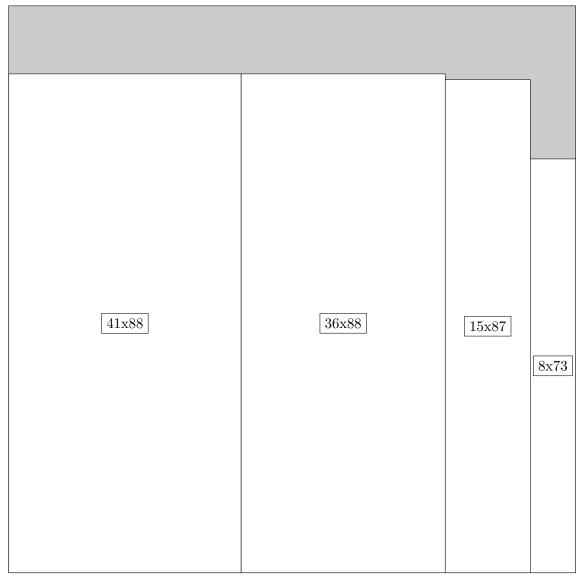


 $\le =43$  , h =85 , x =0 , y =0 , v =3655

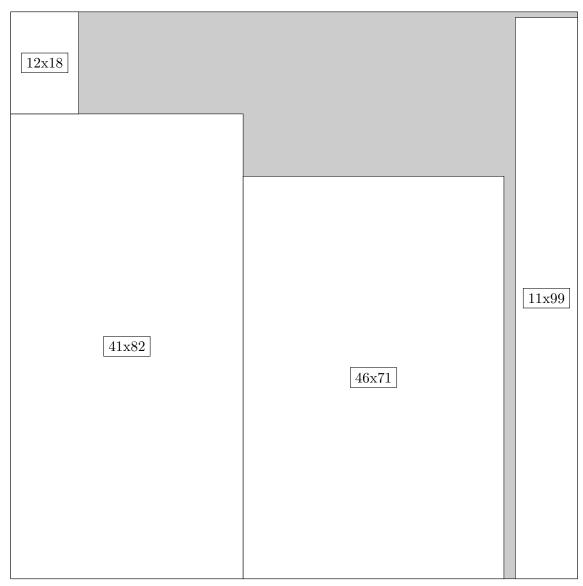
 $\le =44$  , h =82 , x =43 , y =0 , v =3608

 $\le =13$  , h =93 , x =87 , y =0 , v =1209

 $w=\!38$  ,  $h=\!18$  ,  $x=\!43$  ,  $y=\!82$  ,  $v=\!684$ 



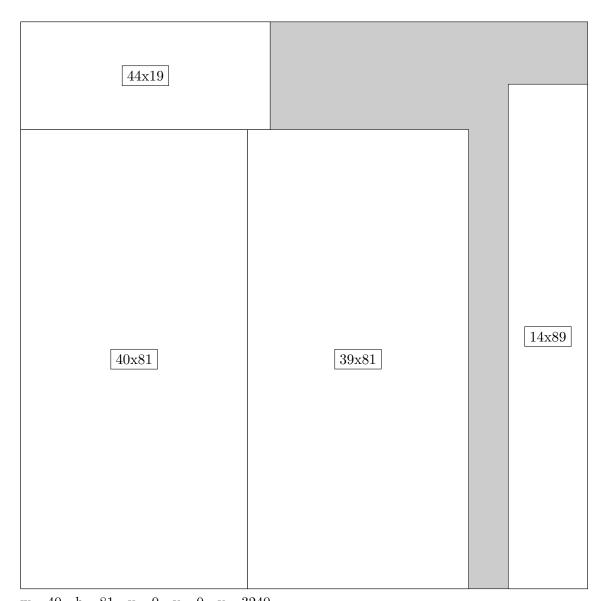
 $\begin{array}{l} w = \!\! 41 \ , \ h = \!\! 88 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 3608 \\ w = \!\! 36 \ , \ h = \!\! 88 \ , \ x = \!\! 41 \ , \ y = \!\! 0 \ , \ v = \!\! 3168 \\ w = \!\! 15 \ , \ h = \!\! 87 \ , \ x = \!\! 77 \ , \ y = \!\! 0 \ , \ v = \!\! 1305 \\ w = \!\! 8 \ , \ h = \!\! 73 \ , \ x = \!\! 92 \ , \ y = \!\! 0 \ , \ v = \!\! 584 \end{array}$ 



$$\mathbf{w}$$
 =41 , h =82 , x =0 , y =0 , v =3362

$$\le =11$$
 , h =99 , x =89 , y =0 , v =1089

$$\mathbf{w}$$
 =12 , h =18 , x =0 , y =82 , v =216



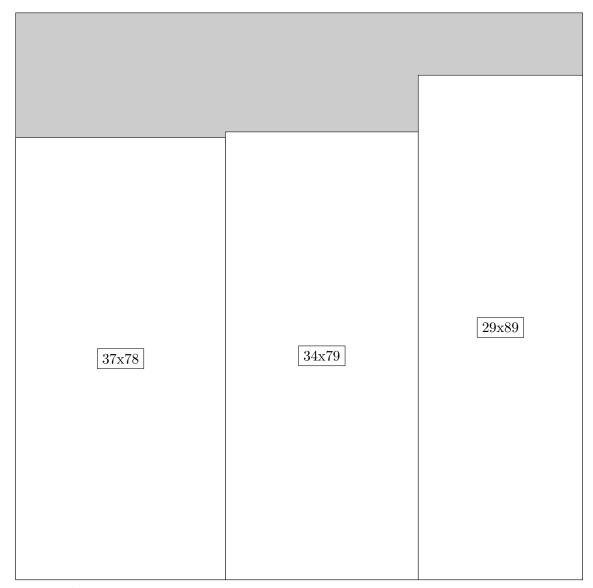
$$\begin{array}{c} w = \!\! 40 \ , \ h = \!\! 81 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 3240 \\ w = \!\! 39 \ , \ h = \!\! 81 \ , \ x = \!\! 40 \ , \ y = \!\! 0 \ , \ v = \!\! 3159 \\ \end{array}$$

$$\begin{array}{c} w = \!\! 14 \ , \ h = \!\! 89 \ , \ x = \!\! 86 \ , \ y = \!\! 0 \ , \ v = \!\! 1246 \\ w = \!\! 44 \ , \ h = \!\! 19 \ , \ x = \!\! 0 \ , \ y = \!\! 81 \ , \ v = \!\! 836 \end{array}$$

37x84	31x84	8x84	24x94

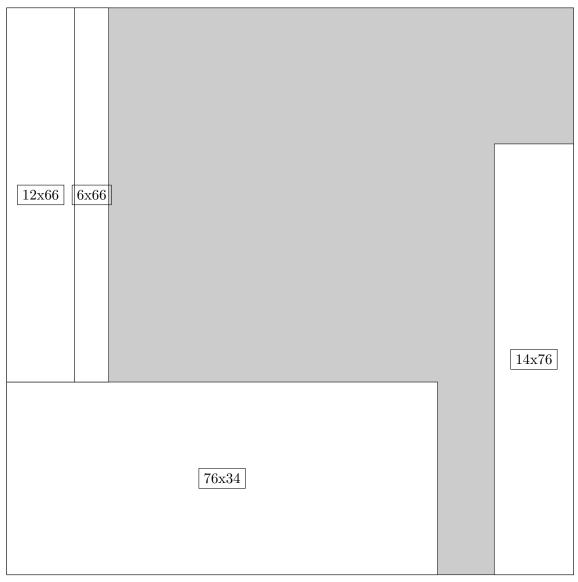
 $\begin{array}{l} w = \! 37 \ , \ h = \! 84 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 3108 \\ w = \! 31 \ , \ h = \! 84 \ , \ x = \! 37 \ , \ y = \! 0 \ , \ v = \! 2604 \\ w = \! 24 \ , \ h = \! 94 \ , \ x = \! 76 \ , \ y = \! 0 \ , \ v = \! 2256 \end{array}$ 

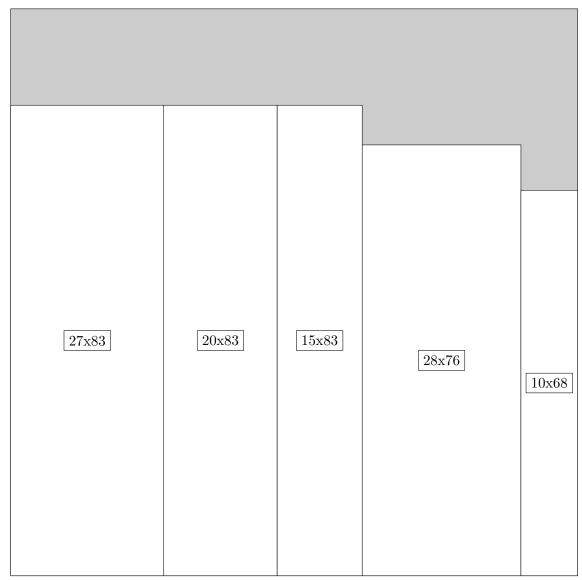
 $\le =8$  , h =84 , x =68 , y =0 , v =672



$$\begin{array}{l} w = \!\! 37 \ , \ h = \!\! 78 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 2886 \\ w = \!\! 34 \ , \ h = \!\! 79 \ , \ x = \!\! 37 \ , \ y = \!\! 0 \ , \ v = \!\! 2686 \end{array}$$

$$w = 29 \ , \ h = 89 \ , \ x = 71 \ , \ y = 0 \ , \ v = 2581$$





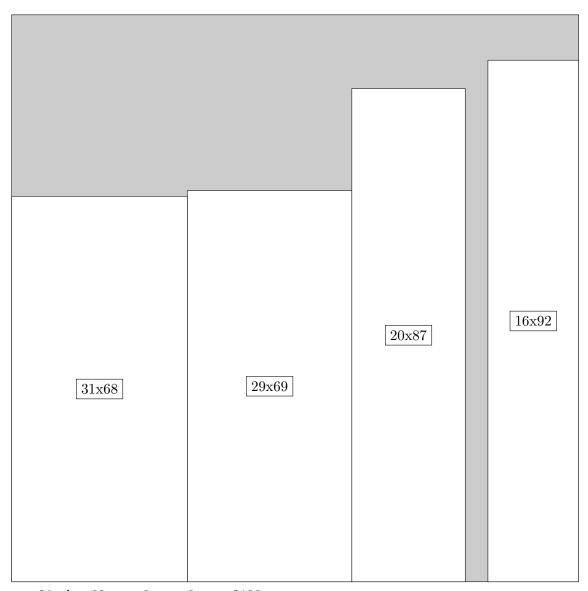
 $\mathbf{w}$  =27 , h =83 , x =0 , y =0 , v =2241

 $\le =28$  , h =76 , x =62 , y =0 , v =2128

 $\le =20$  , h =83 , x =27 , y =0 , v =1660

 $\le =15$  , h =83 , x =47 , y =0 , v =1245

w = 10 , h = 68 , x = 90 , y = 0 , v = 680

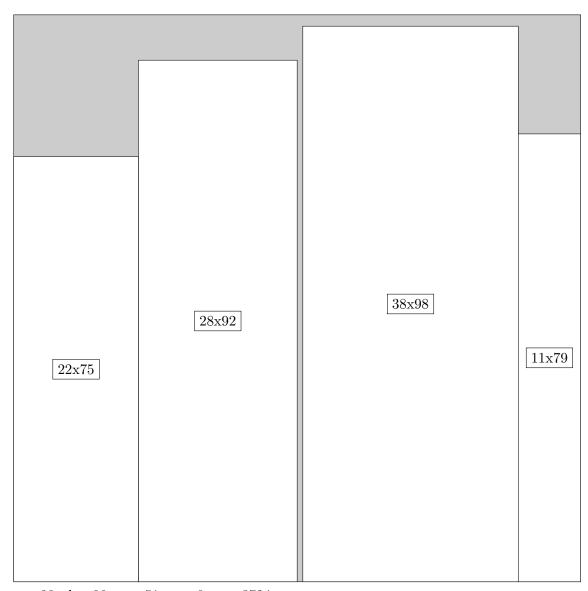


 $\le =31$  , h =68 , x =0 , y =0 , v =2108

 $\le =29$  , h =69 , x =31 , y =0 , v =2001

 $\le =20$  , h =87 , x =60 , y =0 , v =1740

w = 16, h = 92, x = 84, y = 0, v = 1472



 $\begin{array}{l} w = \! 38 \ , \ h = \! 98 \ , \ x = \! 51 \ , \ y = \! 0 \ , \ v = \! 3724 \\ w = \! 28 \ , \ h = \! 92 \ , \ x = \! 22 \ , \ y = \! 0 \ , \ v = \! 2576 \\ w = \! 22 \ , \ h = \! 75 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 1650 \end{array}$ 

 $\mathbf{w}$  =11 , h =79 , x =89 , y =0 , v =869

