$ClassName: \ Class\_10.2bp-44$ 

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

TypeNum: <u>100</u> Num: <u>100</u> OutS: <u>180000</u> InS: <u>164869</u> Rate: <u>0.916</u> UB: <u>18</u> LB0: <u>17</u>

LB0: <u>17</u> LB: <u>18</u>

LBWithCut:  $\underline{\mathbf{18}}$ NodeCut:  $\underline{\mathbf{0}}$ 

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

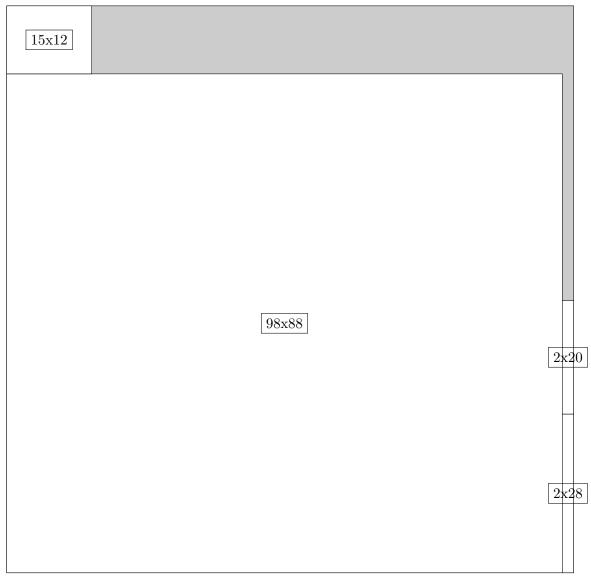
GenNodeCnt:  $\underline{\mathbf{1}}$ PrimalNode:  $\underline{\mathbf{0}}$ ColumnCount:  $\underline{\mathbf{92}}$ TotalCutCount:  $\underline{\mathbf{0}}$ RootCutCount:  $\underline{\mathbf{0}}$ LPSolverCnt:  $\underline{\mathbf{74}}$ PricingSolverCnt:  $\underline{\mathbf{74}}$ BranchAndBoundNum:  $\underline{\mathbf{1}}$ 

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

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

TimeOnPrimal:  $\underline{0.000 \text{ s}}$ TimeOnPricing:  $\underline{4676.959 \text{ s}}$ 

TimeOnRmp:  $\underline{0.095}$  s TotalTime:  $\underline{4797.138}$  s



 $\begin{array}{l} w = 98 \ , \ h = 88 \ , \ x = 0 \ , \ y = 0 \ , \ v = 8624 \\ w = 15 \ , \ h = 12 \ , \ x = 0 \ , \ y = 88 \ , \ v = 180 \\ w = 2 \ , \ h = 28 \ , \ x = 98 \ , \ y = 0 \ , \ v = 56 \\ w = 2 \ , \ h = 20 \ , \ x = 98 \ , \ y = 28 \ , \ v = 40 \end{array}$ 

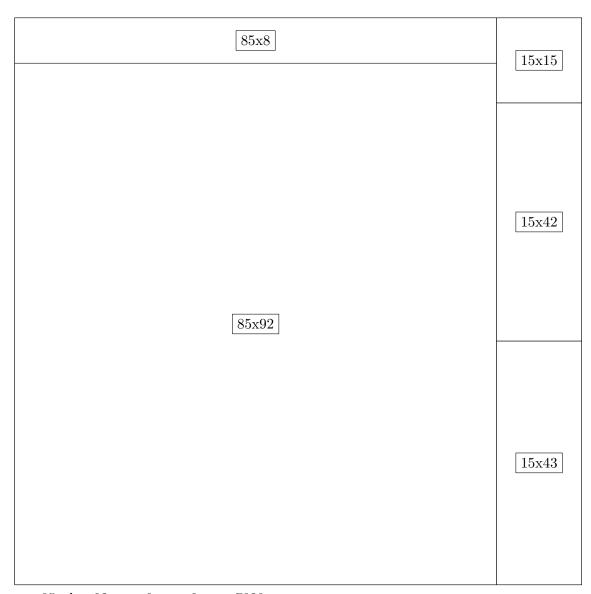
49x10	24x10	[14x10]	
90x9			
			10x29

$$w = 90$$
,  $h = 90$ ,  $x = 0$ ,  $y = 0$ ,  $v = 8100$ 

$$\le =49$$
 ,  $h$  =10 ,  $x$  =0 ,  $y$  =90 ,  $v$  =490

$$\le =24$$
 ,  $h=10$  ,  $x=49$  ,  $y=90$  ,  $v=240$ 

$$w=\!14$$
 ,  $h=\!10$  ,  $x=\!73$  ,  $y=\!90$  ,  $v=\!140$ 



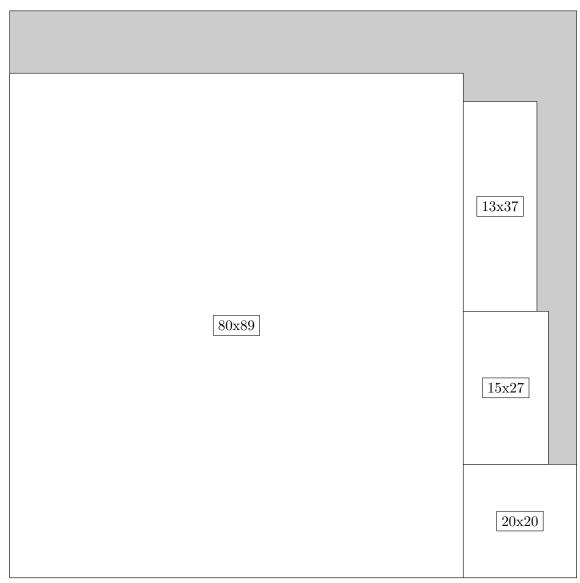
$$\le =85$$
 , h =92 , x =0 , y =0 , v =7820

$$\le =85$$
 , h =8 , x =0 , y =92 , v =680

$$\le =15$$
 ,  $h=43$  ,  $x=85$  ,  $y=0$  ,  $v=645$ 

$$\le =15$$
 , h =42 , x =85 , y =43 , v =630

$$\le =15$$
 ,  $h$  =15 ,  $x$  =85 ,  $y$  =85 ,  $v$  =225

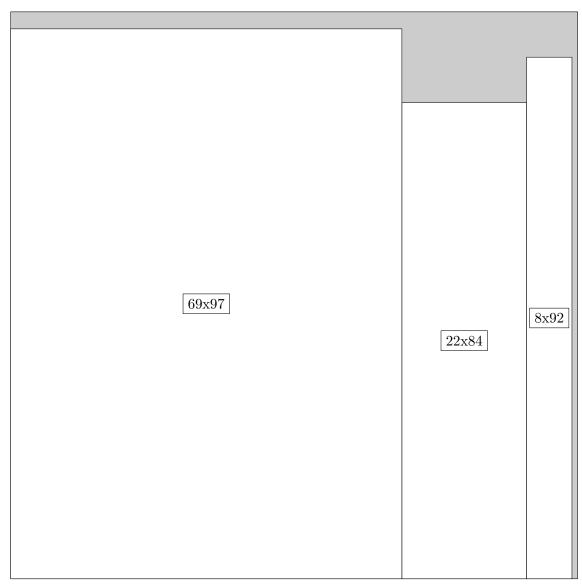


$$\le =80$$
 ,  $h=89$  ,  $x=0$  ,  $y=0$  ,  $v=7120$ 

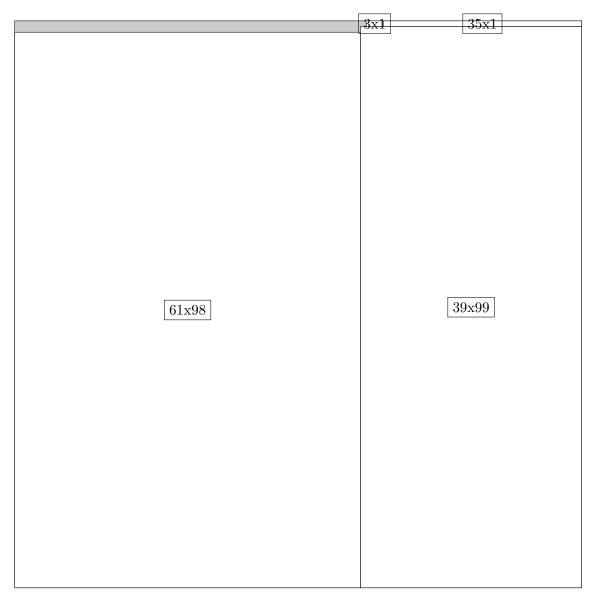
$$\le =13$$
 ,  $h$  =37 ,  $x$  =80 ,  $y$  =47 ,  $v$  =481

$$\le =15$$
 , h =27 , x =80 , y =20 , v =405

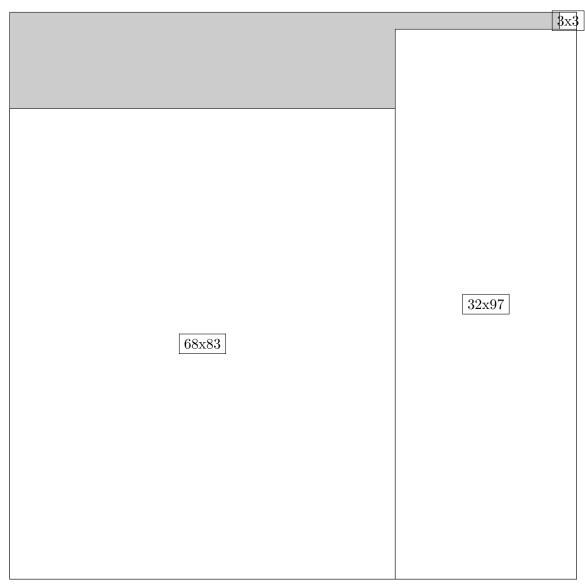
$$\mathbf{w}$$
 =20 , h =20 , x =80 , y =0 , v =400



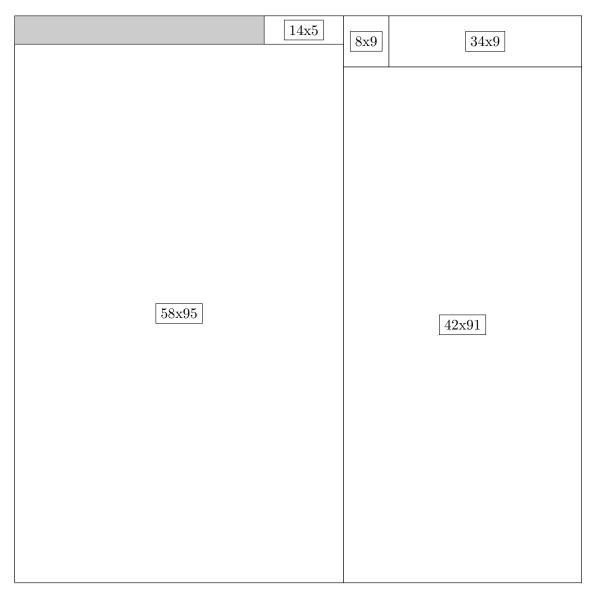
 $\begin{array}{l} w = & 22 \ , \ h = & 84 \ , \ x = & 69 \ , \ y = & 0 \ , \ v = & 1848 \\ w = & 69 \ , \ h = & 97 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 6693 \\ w = & 8 \ , \ h = & 92 \ , \ x = & 91 \ , \ y = & 0 \ , \ v = & 736 \end{array}$ 



 $\begin{array}{l} w = \!\!61 \;,\; h = \!\!98 \;,\; x = \!\!0 \;,\; y = \!\!0 \;,\; v = \!\!5978 \\ w = \!\!39 \;,\; h = \!\!99 \;,\; x = \!\!61 \;,\; y = \!\!0 \;,\; v = \!\!3861 \\ w = \!\!35 \;,\; h = \!\!1 \;,\; x = \!\!65 \;,\; y = \!\!99 \;,\; v = \!\!35 \\ w = \!\!3 \;,\; h = \!\!1 \;,\; x = \!\!62 \;,\; y = \!\!99 \;,\; v = \!\!3 \end{array}$ 



 $\begin{array}{l} w = \!68 \; , \; h = \!83 \; , \; x = \!0 \; , \; y = \!0 \; , \; v = \!5644 \\ w = \!32 \; , \; h = \!97 \; , \; x = \!68 \; , \; y = \!0 \; , \; v = \!3104 \\ w = \!3 \; , \; h = \!3 \; , \; x = \!97 \; , \; y = \!97 \; , \; v = \!9 \end{array}$ 



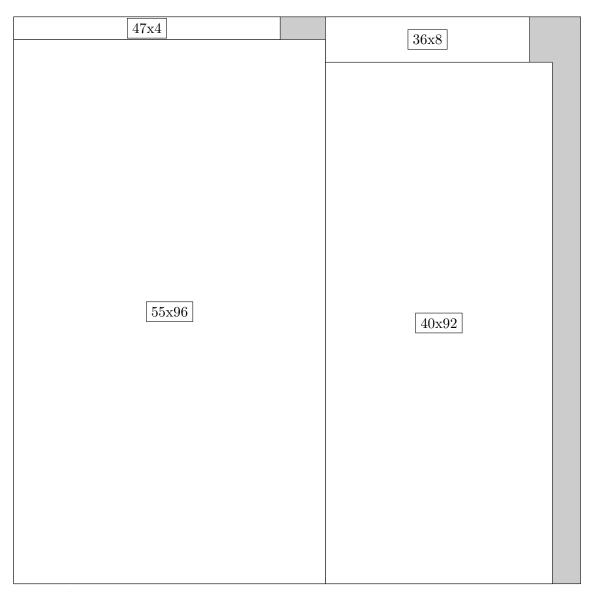
w =58 , h =95 , x =0 , y =0 , v =5510

 $\le =42$  , h =91 , x =58 , y =0 , v =3822

 $\le =34$  , h =9 , x =66 , y =91 , v =306

w =8 , h =9 , x =58 , y =91 , v =72

 $\le =14$  , h =5 , x =44 , y =95 , v =70

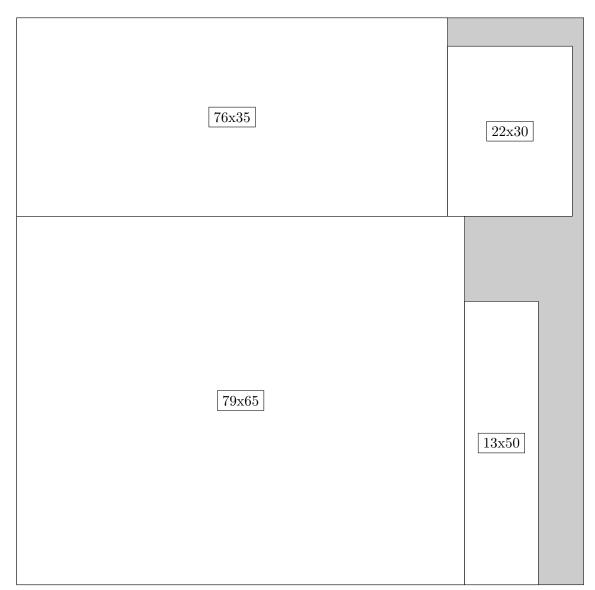


$$\le =55$$
 , h =96 , x =0 , y =0 , v =5280

$$\le =40$$
 , h =92 , x =55 , y =0 , v =3680

$$\le =36$$
 , h =8 , x =  
55 , y =92 , v =288

$$\le =47$$
 , h =4 , x =0 , y =96 , v =188

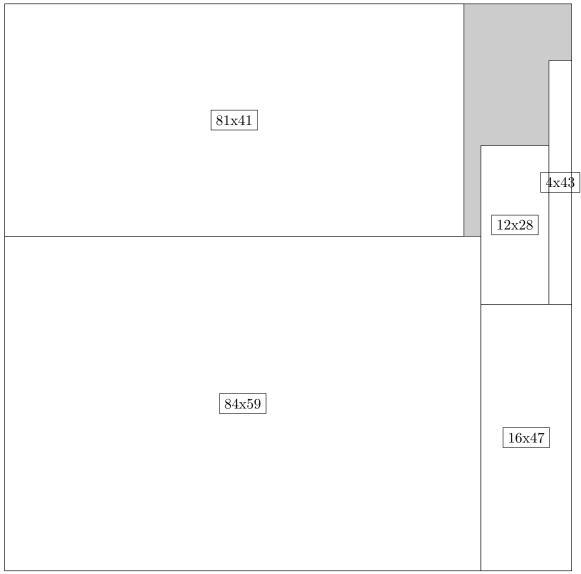


$$\le -79$$
 ,  $h=65$  ,  $x=0$  ,  $y=0$  ,  $v=5135$ 

$$\le -76$$
 , h =  
35 , x =0 , y =  
65 , v =  
2660

$$\le =13$$
 , h =50 , x =79 , y =0 , v =650

$$\le =22$$
 , h =30 , x =76 , y =65 , v =660



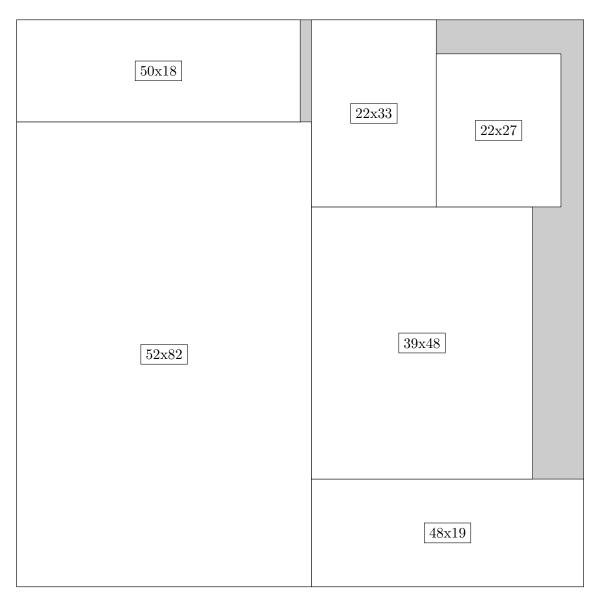
$$\le =84$$
 , h =59 , x =0 , y =0 , v =4956

$$\le =81$$
 ,  $h=41$  ,  $x=0$  ,  $y=59$  ,  $v=3321$ 

$$\le =16$$
 ,  $h=47$  ,  $x=84$  ,  $y=0$  ,  $v=752$ 

$$\le =12$$
 , h =28 , x =84 , y =47 , v =336

$$\mathbf{w}$$
 =4 , h =43 , x =96 , y =47 , v =172



$$\le 52$$
 , h =82 , x =0 , y =0 , v =4264

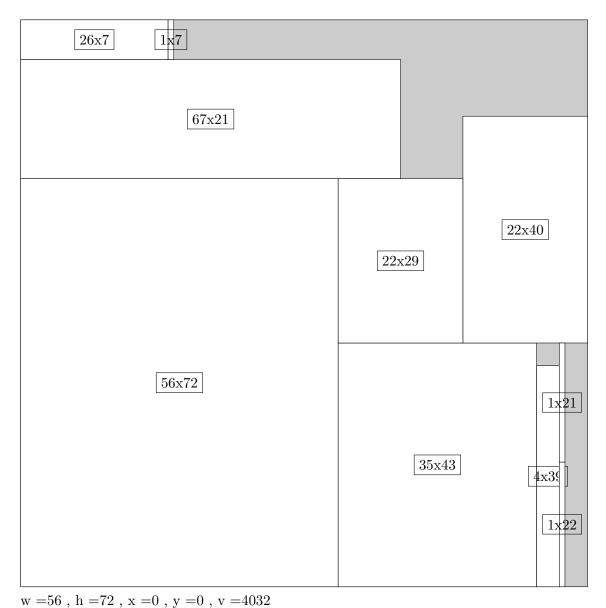
$$\mathbf{w}$$
 =48 , h =19 , x =52 , y =0 , v =912

$$\le =39$$
 , h =48 , x =52 , y =19 , v =1872

$$w$$
 =50 , h =18 , x =0 , y =82 , v =900

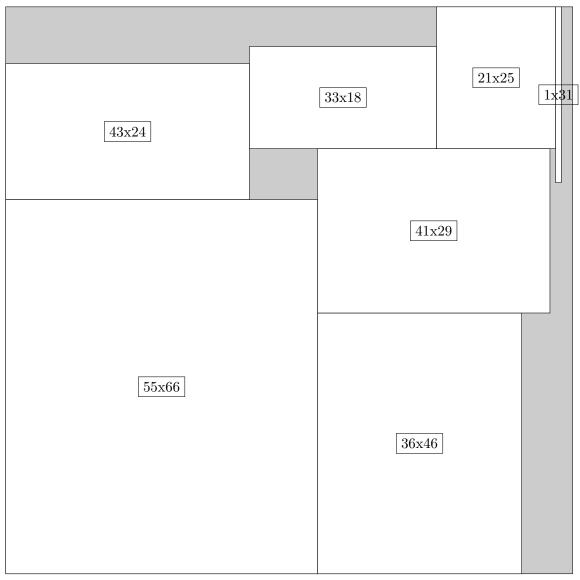
$$\le =22$$
 , h =33 , x =52 , y =67 , v =726

$$w=\!22$$
 ,  $h=\!27$  ,  $x=\!74$  ,  $y=\!67$  ,  $v=\!594$ 



$$\begin{array}{l} w = & 35 \; , \; h = & 43 \; , \; x = & 56 \; , \; y = & 0 \; , \; v = & 1505 \\ w = & 67 \; , \; h = & 21 \; , \; x = & 0 \; , \; y = & 72 \; , \; v = & 1407 \\ w = & 22 \; , \; h = & 40 \; , \; x = & 78 \; , \; y = & 43 \; , \; v = & 880 \\ w = & 22 \; , \; h = & 29 \; , \; x = & 56 \; , \; y = & 43 \; , \; v = & 638 \\ w = & 26 \; , \; h = & 7 \; , \; x = & 0 \; , \; y = & 93 \; , \; v = & 182 \\ w = & 4 \; , \; h = & 39 \; , \; x = & 91 \; , \; y = & 0 \; , \; v = & 156 \\ w = & 1 \; , \; h = & 22 \; , \; x = & 95 \; , \; y = & 0 \; , \; v = & 22 \\ w = & 1 \; , \; h = & 21 \; , \; x = & 95 \; , \; y = & 22 \; , \; v = & 21 \end{array}$$

w=1 , h=7 ,  $x=\!26$  ,  $y=\!93$  ,  $v=\!7$ 



$$w = 43$$
,  $h = 24$ ,  $x = 0$ ,  $y = 66$ ,  $v = 1032$ 

$$\le =36$$
 ,  $h=46$  ,  $x=55$  ,  $y=0$  ,  $v=1656$ 

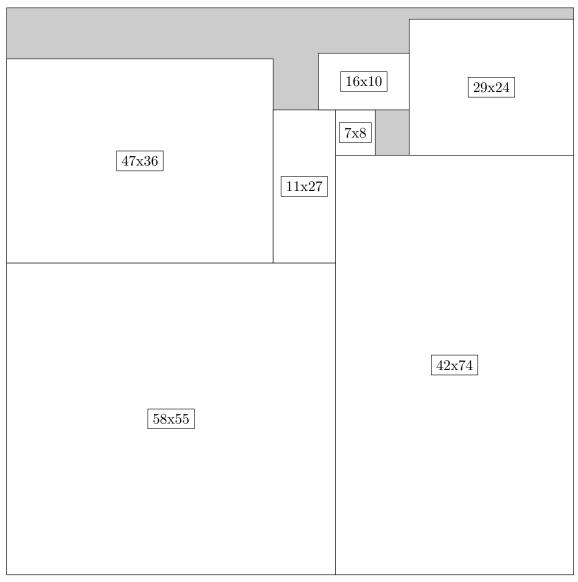
$$\le =41$$
 , h =29 , x =55 , y =46 , v =1189

$$\le =55$$
 , h =66 , x =0 , y =0 , v =3630

$$\le =33$$
 , h =18 , x =43 , y =75 , v =594

$$w$$
 =21 , h =25 , x =76 , y =75 , v =525

$$w=1$$
 ,  $h=\!31$  ,  $x=\!97$  ,  $y=\!69$  ,  $v=\!31$ 



$$w = 58$$
,  $h = 55$ ,  $x = 0$ ,  $y = 0$ ,  $v = 3190$ 

$$\le =42$$
 ,  $h=74$  ,  $x=58$  ,  $y=0$  ,  $v=3108$ 

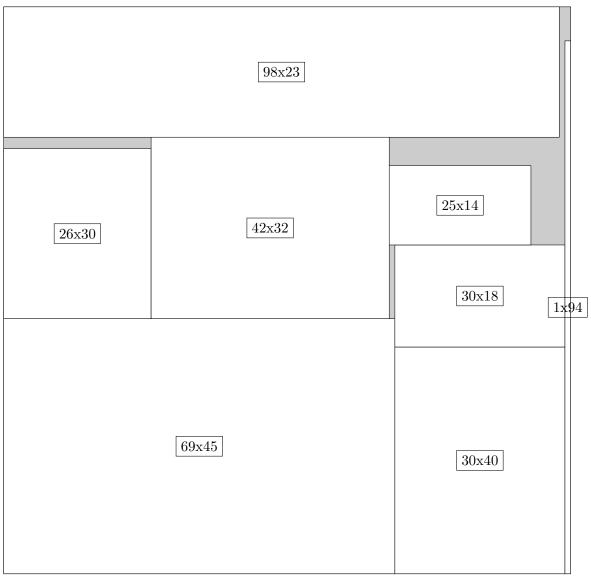
$$w = 47$$
,  $h = 36$ ,  $x = 0$ ,  $y = 55$ ,  $v = 1692$ 

$$w$$
 =7 ,  $h$  =8 ,  $x$  =58 ,  $y$  =74 ,  $v$  =56

$$\le =29$$
 , h =24 , x =71 , y =74 , v =696

$$w=\!11$$
 ,  $h=\!27$  ,  $x=\!47$  ,  $y=\!55$  ,  $v=\!297$ 

$$\le =16$$
 ,  $h$  =10 ,  $x$  =55 ,  $y$  =82 ,  $v$  =160



$$\mathbf{w}$$
 =69 , h =45 , x =0 , y =0 , v =3105

$$w = 98$$
,  $h = 23$ ,  $x = 0$ ,  $y = 77$ ,  $v = 2254$ 

$$w=\!30$$
 ,  $h=\!40$  ,  $x=\!69$  ,  $y=\!0$  ,  $v=\!1200$ 

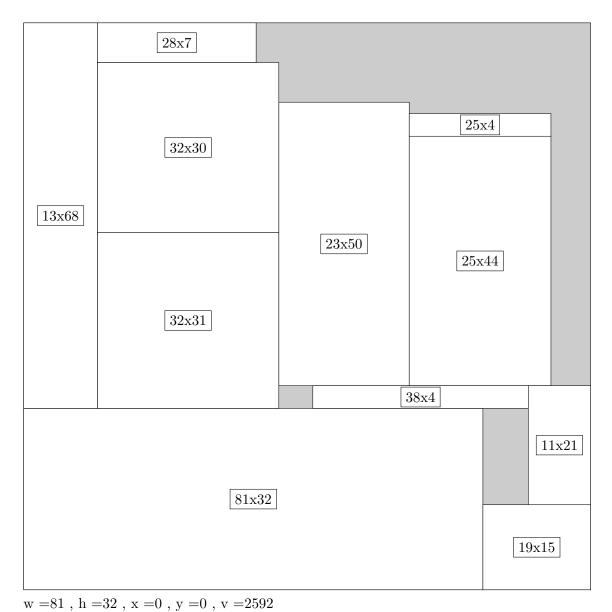
$$\le =26$$
 , h =30 , x =0 , y =45 , v =780

$$\le =30$$
 ,  $h=18$  ,  $x=69$  ,  $y=40$  ,  $v=540$ 

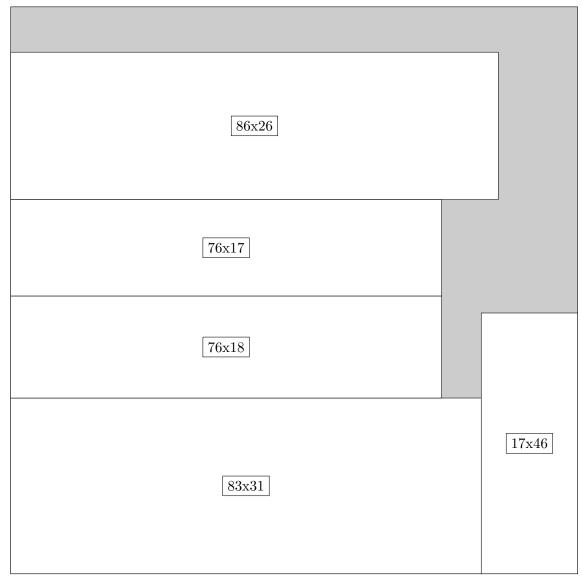
$$\le =25$$
 ,  $h=14$  ,  $x=68$  ,  $y=58$  ,  $v=350$ 

$$w=\!1$$
 ,  $h=\!94$  ,  $x=\!99$  ,  $y=\!0$  ,  $v=\!94$ 

$$\le =42$$
 , h =32 , x =26 , y =45 , v =1344



$$\begin{array}{l} w=23 \ , \ h=50 \ , \ x=45 \ , \ y=36 \ , \ v=1150 \\ w=25 \ , \ h=44 \ , \ x=68 \ , \ y=36 \ , \ v=1100 \\ w=32 \ , \ h=31 \ , \ x=13 \ , \ y=32 \ , \ v=992 \\ w=32 \ , \ h=30 \ , \ x=13 \ , \ y=63 \ , \ v=960 \\ w=13 \ , \ h=68 \ , \ x=0 \ , \ y=32 \ , \ v=884 \\ w=19 \ , \ h=15 \ , \ x=81 \ , \ y=0 \ , \ v=285 \\ w=11 \ , \ h=21 \ , \ x=89 \ , \ y=15 \ , \ v=231 \\ w=28 \ , \ h=7 \ , \ x=13 \ , \ y=93 \ , \ v=196 \\ w=38 \ , \ h=4 \ , \ x=51 \ , \ y=32 \ , \ v=152 \\ w=25 \ , \ h=4 \ , \ x=68 \ , \ y=80 \ , \ v=100 \\ \end{array}$$



$$w = 83$$
,  $h = 31$ ,  $x = 0$ ,  $y = 0$ ,  $v = 2573$ 

$$\le =86$$
 ,  $h$  =26 ,  $x$  =0 ,  $y$  =66 ,  $v$  =2236

$$\le -76$$
 , h =  
18 , x =  
0 , y =  
31 , v =  
1368

$$\mathbf{w}$$
 =76 , h =17 , x =0 , y =49 , v =1292

$$\le =17$$
 , h =46 , x =83 , y =0 , v =782