$ClassName: \ Class\_10.2bp-47$ 

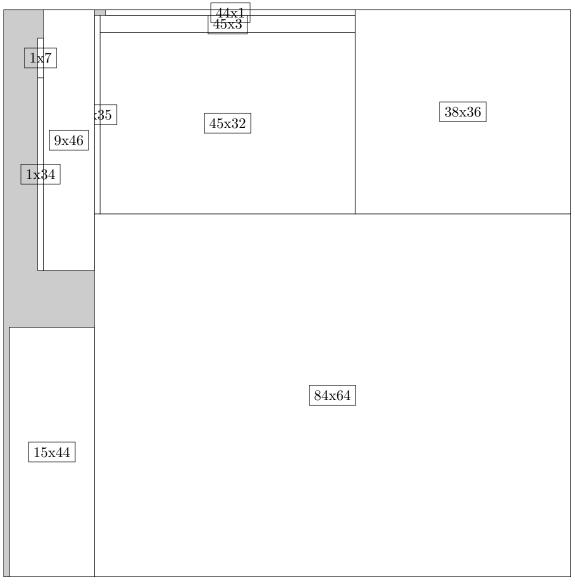
BinSize:  $\underline{100 \times 100}$ ReduceSize:  $\underline{100 \times 100}$ 

TypeNum: <u>99</u> Num: <u>100</u> OutS: <u>180000</u> InS: <u>170497</u> Rate: <u>0.947</u> UB: <u>18</u> LB: <u>18</u>

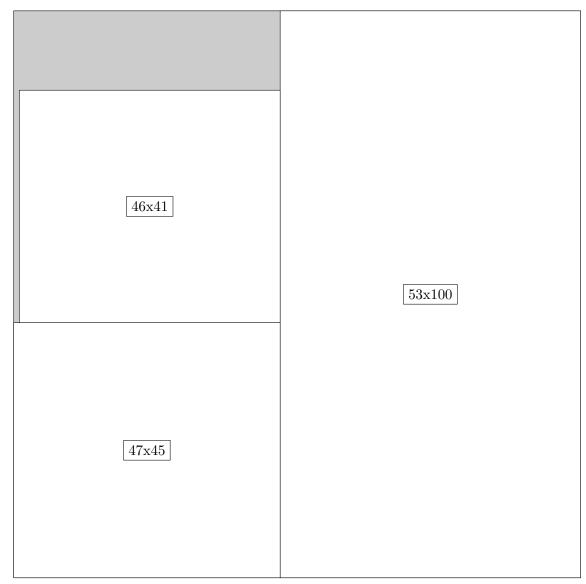
LBWithCut:  $\underline{\mathbf{18}}$ NodeCount:  $\underline{\mathbf{0}}$ PrimalNode:  $\underline{\mathbf{0}}$ ColumnCount:  $\underline{\mathbf{18}}$ TotalCutCount:  $\underline{\mathbf{0}}$ RootCutCount:  $\underline{\mathbf{0}}$ LPSolverCnt:  $\underline{\mathbf{1}}$ PricingSolverCnt:  $\underline{\mathbf{0}}$ BranchAndBoundNum:  $\underline{\mathbf{1}}$ 

isOpt: **true** 

TimeOnPrimal:  $\underline{0.000 \text{ s}}$ TimeOnPricing:  $\underline{0.000 \text{ s}}$ TimeOnRmp:  $\underline{0.078 \text{ s}}$ TotalTime:  $\underline{0.250 \text{ s}}$ 



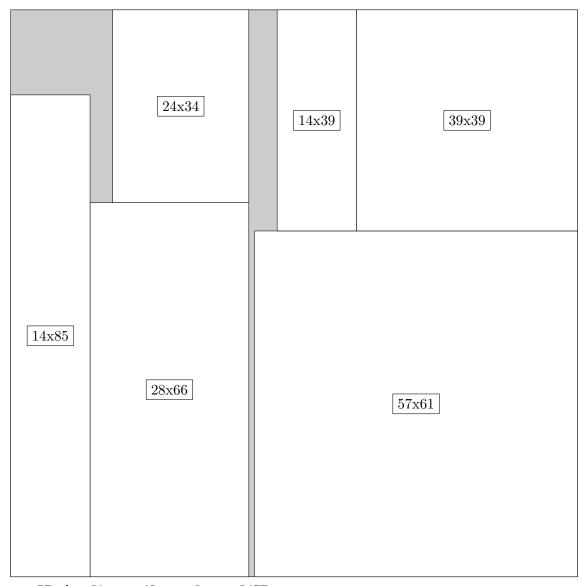
```
\begin{array}{l} w = & 84 \;, \; h = & 64 \;, \; x = & 16 \;, \; y = & 0 \;, \; v = & 5376 \\ w = & 38 \;, \; h = & 36 \;, \; x = & 62 \;, \; y = & 64 \;, \; v = & 1368 \\ w = & 45 \;, \; h = & 32 \;, \; x = & 17 \;, \; y = & 64 \;, \; v = & 1440 \\ w = & 45 \;, \; h = & 3 \;, \; x = & 17 \;, \; y = & 96 \;, \; v = & 135 \\ w = & 44 \;, \; h = & 1 \;, \; x = & 18 \;, \; y = & 99 \;, \; v = & 44 \\ w = & 1 \;, \; h = & 35 \;, \; x = & 16 \;, \; y = & 64 \;, \; v = & 35 \\ w = & 15 \;, \; h = & 44 \;, \; x = & 1 \;, \; y = & 0 \;, \; v = & 660 \\ w = & 9 \;, \; h = & 46 \;, \; x = & 7 \;, \; y = & 54 \;, \; v = & 414 \\ w = & 1 \;, \; h = & 34 \;, \; x = & 6 \;, \; y = & 54 \;, \; v = & 34 \\ w = & 1 \;, \; h = & 7 \;, \; x = & 6 \;, \; y = & 88 \;, \; v = & 7 \end{array}
```



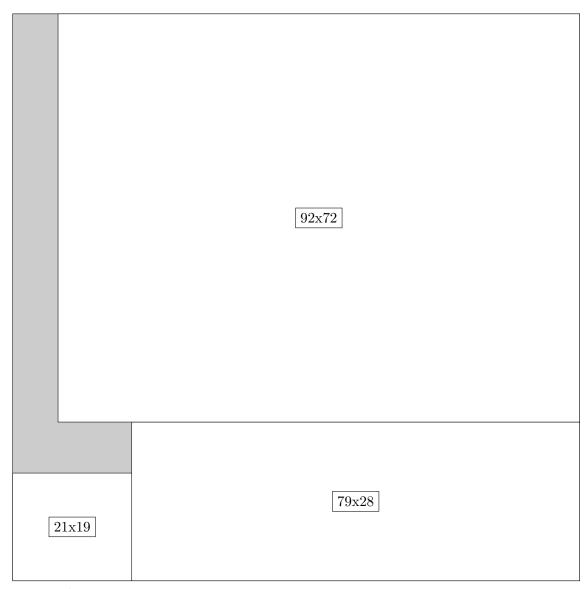
$$w = 53$$
,  $h = 100$ ,  $x = 47$ ,  $y = 0$ ,  $v = 5300$ 

$$\mathbf{w}$$
 =47 , h =45 , x =0 , y =0 , v =2115

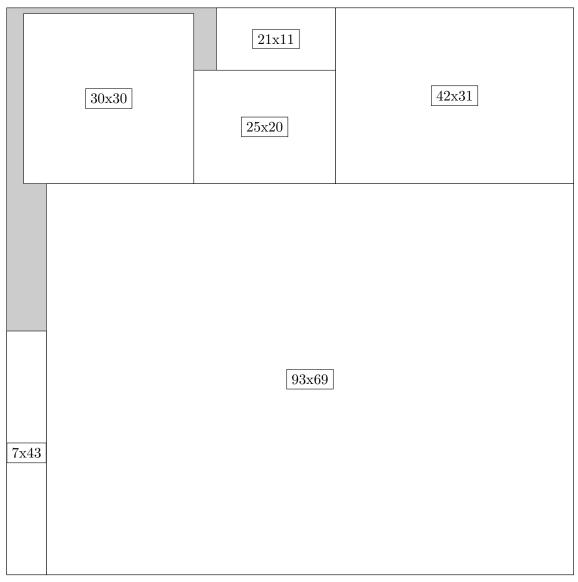
$$\le =46$$
 ,  $h=\!41$  ,  $x=\!1$  ,  $y=\!45$  ,  $v=\!1886$ 



$$\begin{array}{l} w = \!57 \;, \; h = \!61 \;, \; x = \!43 \;, \; y = \!0 \;, \; v = \!3477 \\ w = \!39 \;, \; h = \!39 \;, \; x = \!61 \;, \; y = \!61 \;, \; v = \!1521 \\ w = \!14 \;, \; h = \!39 \;, \; x = \!47 \;, \; y = \!61 \;, \; v = \!546 \\ w = \!28 \;, \; h = \!66 \;, \; x = \!14 \;, \; y = \!0 \;, \; v = \!1848 \\ w = \!24 \;, \; h = \!34 \;, \; x = \!18 \;, \; y = \!66 \;, \; v = \!816 \\ w = \!14 \;, \; h = \!85 \;, \; x = \!0 \;, \; y = \!0 \;, \; v = \!1190 \end{array}$$



$$\begin{array}{l} w = 79 \ , \ h = 28 \ , \ x = 21 \ , \ y = 0 \ , \ v = 2212 \\ w = 21 \ , \ h = 19 \ , \ x = 0 \ , \ y = 0 \ , \ v = 399 \\ w = 92 \ , \ h = 72 \ , \ x = 8 \ , \ y = 28 \ , \ v = 6624 \end{array}$$



$$w = 93$$
,  $h = 69$ ,  $x = 7$ ,  $y = 0$ ,  $v = 6417$ 

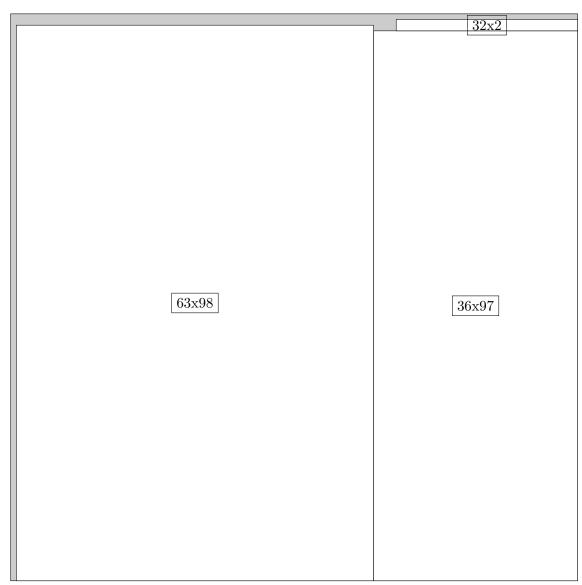
$$\mathbf{w}$$
 =7 , h =43 , x =0 , y =0 , v =301

$$\le =42$$
 , h =31 , x =58 , y =69 , v =1302

$$\le =25$$
 , h =20 , x =33 , y =69 , v =500

$$w=\!21$$
 ,  $h=\!11$  ,  $x=\!37$  ,  $y=\!89$  ,  $v=\!231$ 

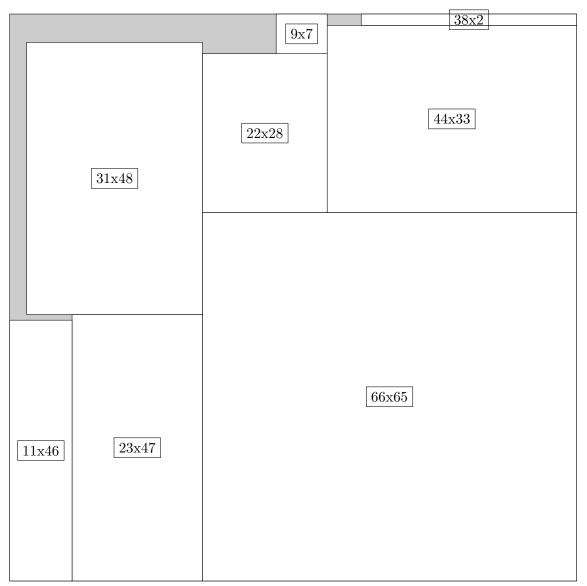
$$\le =30$$
 ,  $h=30$  ,  $x=3$  ,  $y=69$  ,  $v=900$ 



$$\le =36$$
 , h =97 , x =64 , y =0 , v =3492

$$\le =32$$
 , h =2 , x =68 , y =97 , v =64

$$\le =63$$
 , h =98 , x =1 , y =0 , v =6174



$$w = 66$$
,  $h = 65$ ,  $x = 34$ ,  $y = 0$ ,  $v = 4290$ 

$$\le =44$$
 , h =33 , x =56 , y =65 , v =1452

$$\le =38$$
 , h =2 , x =62 , y =98 , v =76

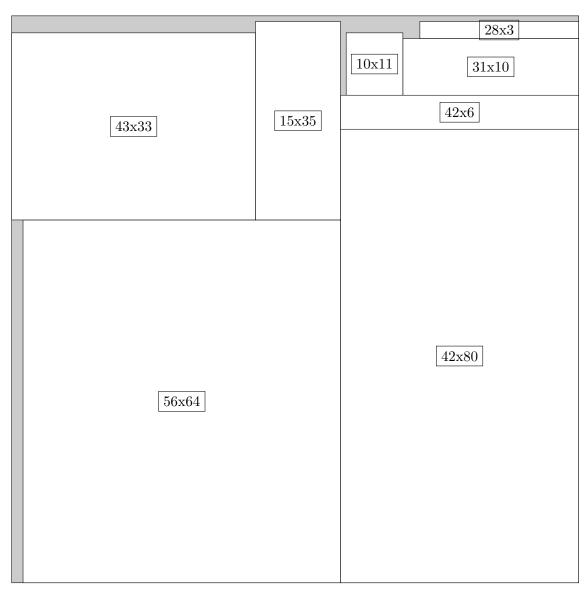
$$\le =22$$
 ,  $h=28$  ,  $x=34$  ,  $y=65$  ,  $v=616$ 

$$w = 9$$
,  $h = 7$ ,  $x = 47$ ,  $y = 93$ ,  $v = 63$ 

$$w=23$$
 ,  $h=47$  ,  $x=11$  ,  $y=0$  ,  $v=1081$ 

$$\mathbf{w}$$
 =11 , h =46 , x =0 , y =0 , v =506

$$w = 31$$
,  $h = 48$ ,  $x = 3$ ,  $y = 47$ ,  $v = 1488$ 



$$\le =42$$
 , h =80 , x =58 , y =0 , v =3360

$$\le =42$$
 ,  $h=6$  ,  $x=58$  ,  $y=80$  ,  $v=252$ 

$$w=\!31$$
 ,  $h=\!10$  ,  $x=\!69$  ,  $y=\!86$  ,  $v=\!310$ 

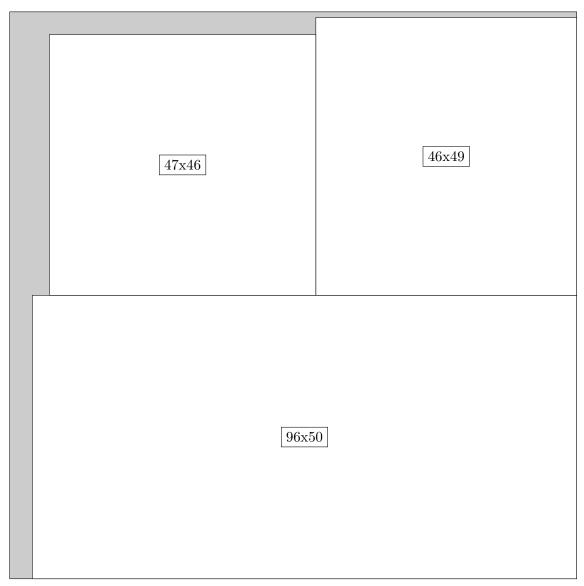
$$\le =28$$
 , h =3 , x =72 , y =96 , v =84

$$w$$
 =10 ,  $h$  =11 ,  $x$  =59 ,  $y$  =86 ,  $v$  =110

$$\mathbf{w}$$
 =56 , h =64 , x =2 , y =0 , v =3584

$$\le =15$$
 ,  $h=35$  ,  $x=43$  ,  $y=64$  ,  $v=525$ 

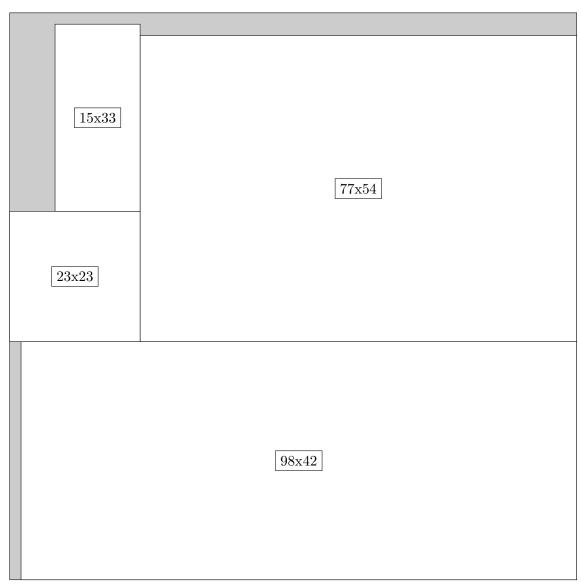
$$\le =43$$
 ,  $h=33$  ,  $x=0$  ,  $y=64$  ,  $v=1419$ 



$$w = 96$$
,  $h = 50$ ,  $x = 4$ ,  $y = 0$ ,  $v = 4800$ 

$$\le =46$$
 , h =49 , x =54 , y =50 , v =2254

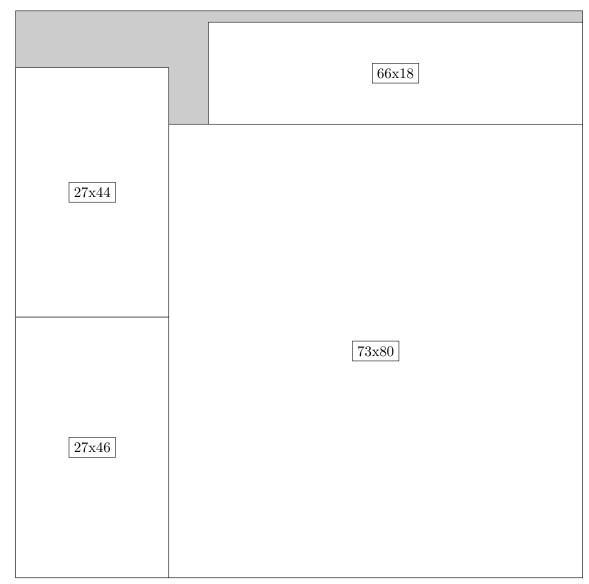
$$\le =47$$
 , h =46 , x =7 , y =50 , v =2162



$$w = 98$$
,  $h = 42$ ,  $x = 2$ ,  $y = 0$ ,  $v = 4116$ 

$$\le =23$$
 , h =23 , x =0 , y =42 , v =529

$$\le =15$$
 ,  $h=33$  ,  $x=8$  ,  $y=65$  ,  $v=495$ 

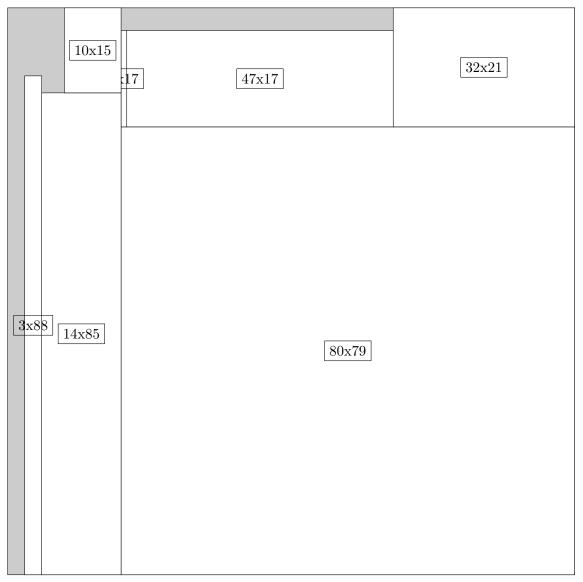


$$\le -73$$
 , h =  
80 , x =  
27 , y =  
0 , v =  
5840

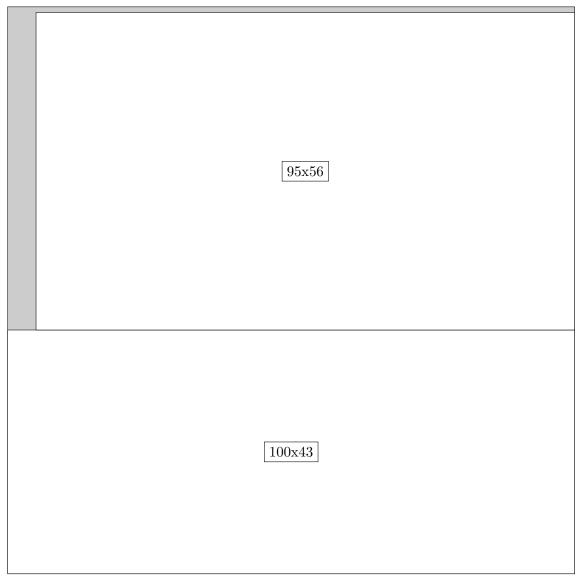
$$\le =66$$
 ,  $h$  =18 ,  $x$  =34 ,  $y$  =80 ,  $v$  =1188

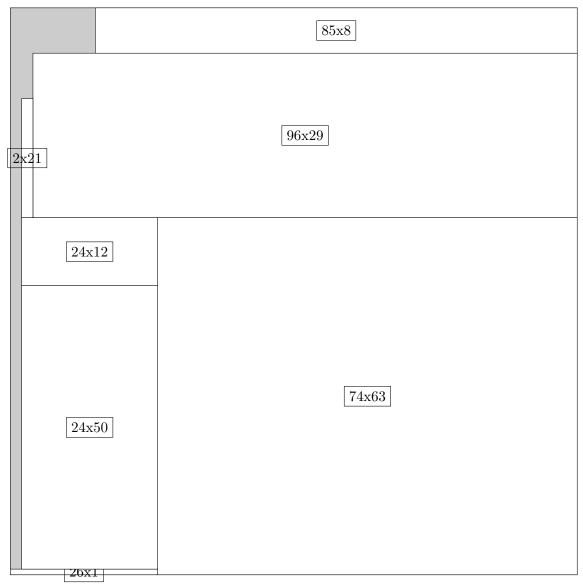
$$\le =27$$
 ,  $h=46$  ,  $x=0$  ,  $y=0$  ,  $v=1242$ 

$$\le =27$$
 , h =44 , x =0 , y =46 , v =1188

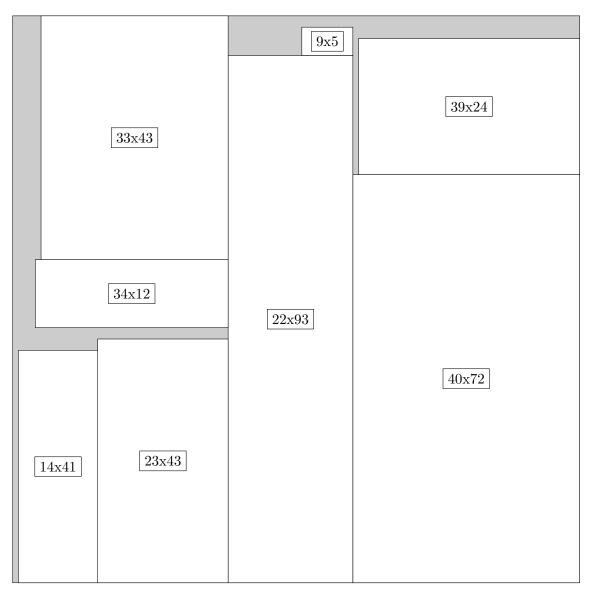


$$\begin{array}{l} w=80\;,\; h=79\;,\; x=20\;,\; y=0\;,\; v=6320\\ w=32\;,\; h=21\;,\; x=68\;,\; y=79\;,\; v=672\\ w=47\;,\; h=17\;,\; x=21\;,\; y=79\;,\; v=799\\ w=1\;,\; h=17\;,\; x=20\;,\; y=79\;,\; v=17\\ w=14\;,\; h=85\;,\; x=6\;,\; y=0\;,\; v=1190\\ w=10\;,\; h=15\;,\; x=10\;,\; y=85\;,\; v=150\\ w=3\;,\; h=88\;,\; x=3\;,\; y=0\;,\; v=264 \end{array}$$





$$\begin{array}{l} w = 74 \ , \ h = 63 \ , \ x = 26 \ , \ y = 0 \ , \ v = 4662 \\ w = 26 \ , \ h = 1 \ , \ x = 0 \ , \ y = 0 \ , \ v = 26 \\ w = 24 \ , \ h = 50 \ , \ x = 2 \ , \ y = 1 \ , \ v = 1200 \\ w = 24 \ , \ h = 12 \ , \ x = 2 \ , \ y = 51 \ , \ v = 288 \\ w = 96 \ , \ h = 29 \ , \ x = 4 \ , \ y = 63 \ , \ v = 2784 \\ w = 2 \ , \ h = 21 \ , \ x = 2 \ , \ y = 63 \ , \ v = 42 \\ w = 85 \ , \ h = 8 \ , \ x = 15 \ , \ y = 92 \ , \ v = 680 \end{array}$$



$$w = 40$$
,  $h = 72$ ,  $x = 60$ ,  $y = 0$ ,  $v = 2880$ 

$$\le =39$$
 , h =24 , x =61 , y =72 , v =936

$$w = 22$$
,  $h = 93$ ,  $x = 38$ ,  $y = 0$ ,  $v = 2046$ 

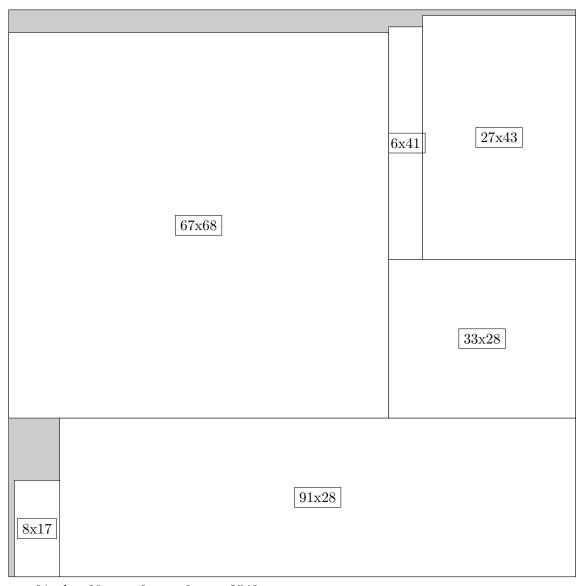
$$w = 9$$
,  $h = 5$ ,  $x = 51$ ,  $y = 93$ ,  $v = 45$ 

$$\le =23$$
 , h =43 , x =15 , y =0 , v =989

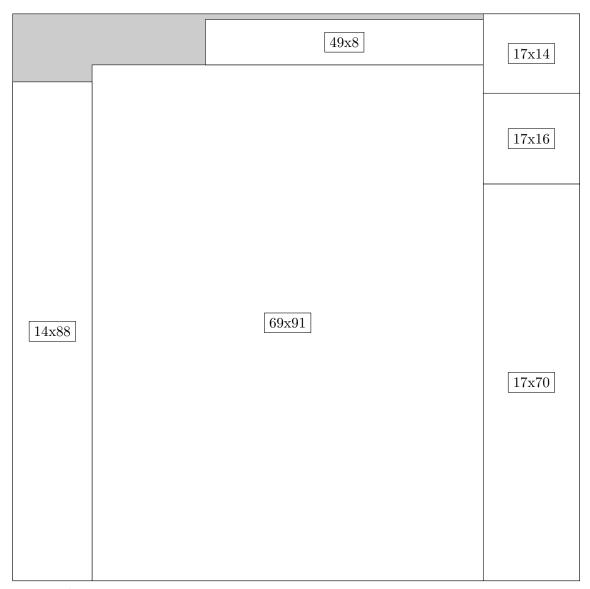
$$\mathbf{w}$$
 =14 , h =41 , x =1 , y =0 , v =574

$$\le =34$$
 ,  $h=12$  ,  $x=4$  ,  $y=45$  ,  $v=408$ 

$$\le =33$$
 , h =43 , x =5 , y =57 , v =1419



$$\begin{array}{l} w = 91 \; , \; h = 28 \; , \; x = 9 \; , \; y = 0 \; , \; v = 2548 \\ w = 8 \; , \; h = 17 \; , \; x = 1 \; , \; y = 0 \; , \; v = 136 \\ w = 33 \; , \; h = 28 \; , \; x = 67 \; , \; y = 28 \; , \; v = 924 \\ w = 27 \; , \; h = 43 \; , \; x = 73 \; , \; y = 56 \; , \; v = 1161 \\ w = 6 \; , \; h = 41 \; , \; x = 67 \; , \; y = 56 \; , \; v = 246 \\ w = 67 \; , \; h = 68 \; , \; x = 0 \; , \; y = 28 \; , \; v = 4556 \end{array}$$

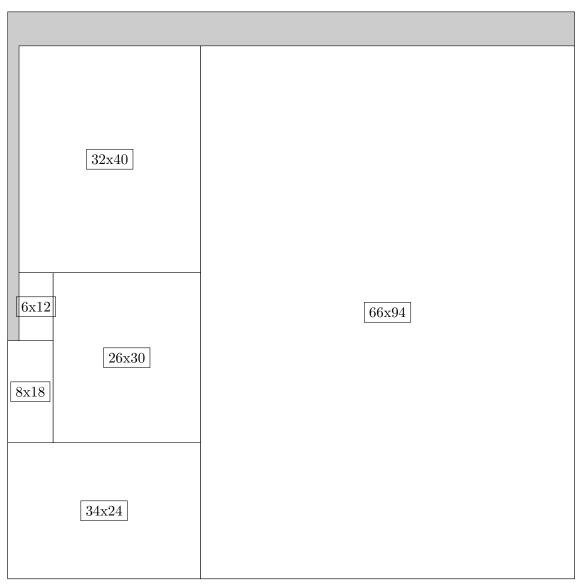


$$\begin{array}{c} w = \! 17 \ , \ h = \! 70 \ , \ x = \! 83 \ , \ y = \! 0 \ , \ v = \! 1190 \\ w = \! 17 \ , \ h = \! 16 \ , \ x = \! 83 \ , \ y = \! 70 \ , \ v = \! 272 \end{array}$$

$$w = 69$$
,  $h = 91$ ,  $x = 14$ ,  $y = 0$ ,  $v = 6279$ 

$$\le =49$$
 , h =8 , x =34 , y =91 , v =392

$$\le =14$$
 , h =88 , x =0 , y =0 , v =1232



$$\begin{array}{l} w=66\;,\; h=94\;,\; x=34\;,\; y=0\;,\; v=6204\\ w=34\;,\; h=24\;,\; x=0\;,\; y=0\;,\; v=816\\ w=26\;,\; h=30\;,\; x=8\;,\; y=24\;,\; v=780\\ w=8\;,\; h=18\;,\; x=0\;,\; y=24\;,\; v=144\\ w=6\;,\; h=12\;,\; x=2\;,\; y=42\;,\; v=72\\ w=32\;,\; h=40\;,\; x=2\;,\; y=54\;,\; v=1280\\ \end{array}$$