$ClassName: \ Class\_10.2bp\text{-}42$ 

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

TypeNum: <u>98</u>
Num: <u>100</u>
OutS: <u>160000</u>
InS: <u>149363</u>
Rate: <u>0.934</u>
UB: <u>16</u>
LB0: <u>15</u>
LB: 16

LBWithCut:  $\underline{\bf 16}$ NodeCut:  $\underline{\bf 0}$ 

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

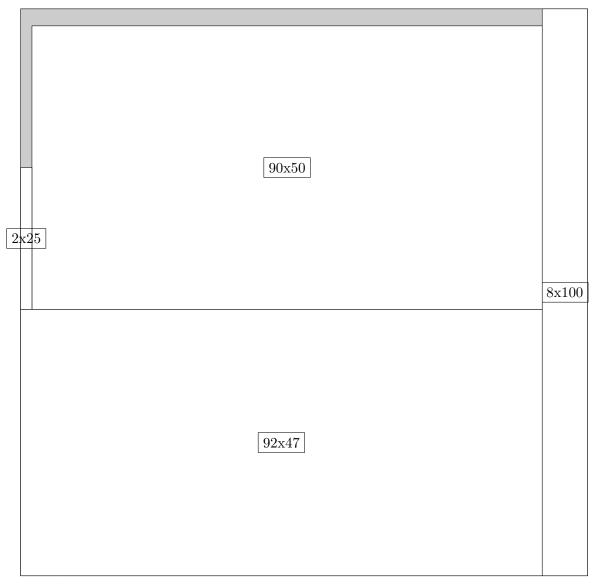
GenNodeCnt:  $\underline{1}$ PrimalNode:  $\underline{0}$ ColumnCount:  $\underline{83}$ TotalCutCount:  $\underline{0}$ RootCutCount:  $\underline{0}$ LPSolverCnt:  $\underline{68}$ PricingSolverCnt:  $\underline{68}$ BranchAndBoundNum:  $\underline{1}$ 

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

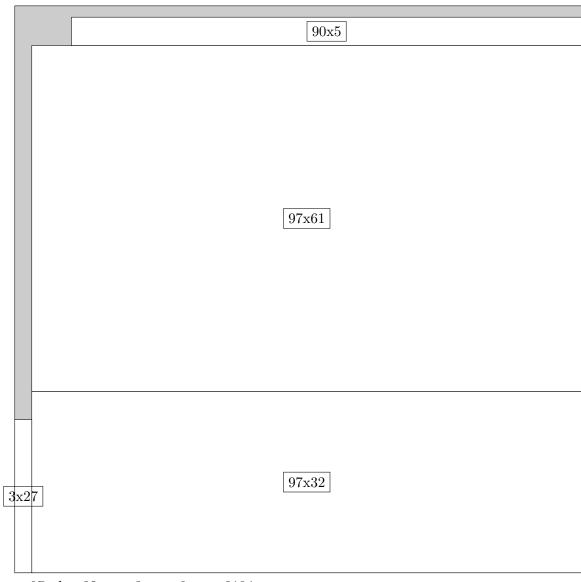
TimeOnInitSolution:  $\underline{600.000 \text{ s}}$ 

TimeOnPrimal:  $\underline{0.000 \text{ s}}$ TimeOnPricing:  $\underline{2999.587 \text{ s}}$ 

TimeOnRmp:  $\underline{0.096 \text{ s}}$  TotalTime:  $\underline{3599.996 \text{ s}}$ 



$$\begin{array}{l} w=8 \ , \ h=100 \ , \ x=92 \ , \ y=0 \ , \ v=800 \\ w=92 \ , \ h=47 \ , \ x=0 \ , \ y=0 \ , \ v=4324 \\ w=90 \ , \ h=50 \ , \ x=2 \ , \ y=47 \ , \ v=4500 \\ w=2 \ , \ h=25 \ , \ x=0 \ , \ y=47 \ , \ v=50 \end{array}$$

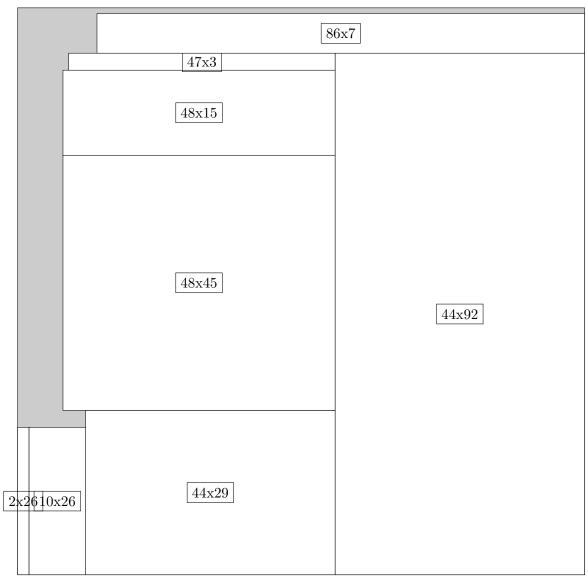


w = 97, h = 32, x = 3, y = 0, v = 3104

 $\mathbf{w}$  =3 , h =27 , x =0 , y =0 , v =81

 $\le =97$  , h =61 , x =3 , y =32 , v =5917

w =90 , h =5 , x =10 , y =93 , v =450



$$w = 44$$
,  $h = 92$ ,  $x = 56$ ,  $y = 0$ ,  $v = 4048$ 

$$w = 44$$
,  $h = 29$ ,  $x = 12$ ,  $y = 0$ ,  $v = 1276$ 

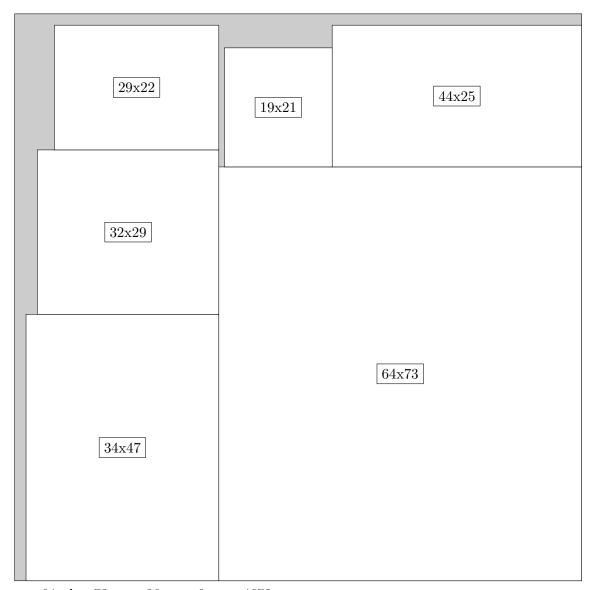
$$w = 10$$
,  $h = 26$ ,  $x = 2$ ,  $y = 0$ ,  $v = 260$ 

$$\begin{array}{l} w = 2 \ , \ h = \!\! 26 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 52 \\ w = \!\! 48 \ , \ h = \!\! 45 \ , \ x = \!\! 8 \ , \ y = \!\! 29 \ , \ v = \!\! 2160 \end{array}$$

$$w = 48$$
,  $h = 15$ ,  $x = 8$ ,  $y = 74$ ,  $v = 720$ 

$$w = 47$$
,  $h = 3$ ,  $x = 9$ ,  $y = 89$ ,  $v = 141$ 

$$\le =86$$
 , h =7 , x =14 , y =92 , v =602



$$w = 64$$
,  $h = 73$ ,  $x = 36$ ,  $y = 0$ ,  $v = 4672$ 

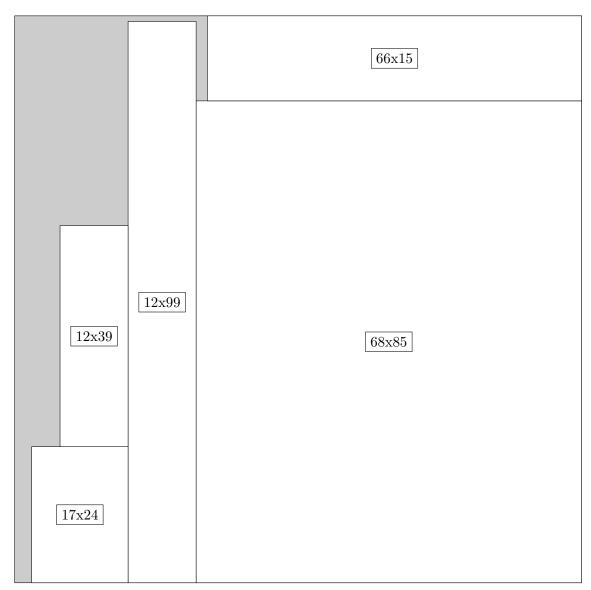
$$w=\!44$$
 ,  $h=\!25$  ,  $x=\!56$  ,  $y=\!73$  ,  $v=\!1100$ 

$$\le =19$$
 , h =21 , x =37 , y =73 , v =399

$$\le 34$$
 , h =47 , x =2 , y =0 , v =1598

$$\le =32$$
 , h =29 , x =4 , y =47 , v =928

$$\le =29$$
 , h =22 , x =7 , y =76 , v =638



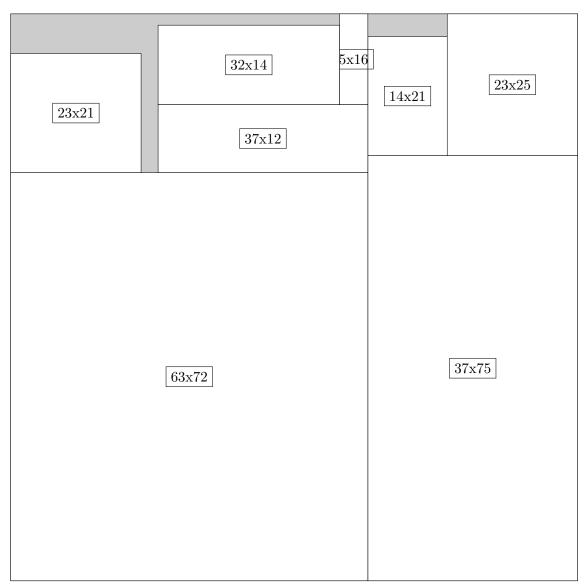
$$w = 68$$
,  $h = 85$ ,  $x = 32$ ,  $y = 0$ ,  $v = 5780$ 

$$\le =66$$
 ,  $h=15$  ,  $x=34$  ,  $y=85$  ,  $v=990$ 

$$\le =12$$
 , h =99 , x =20 , y =0 , v =1188

$$\le =17$$
 , h =24 , x =3 , y =0 , v =408

$$w = 12$$
,  $h = 39$ ,  $x = 8$ ,  $y = 24$ ,  $v = 468$ 



$$w = 37$$
,  $h = 75$ ,  $x = 63$ ,  $y = 0$ ,  $v = 2775$ 

$$w$$
 =23 ,  $h$  =25 ,  $x$  =77 ,  $y$  =75 ,  $v$  =575

$$w = 14$$
,  $h = 21$ ,  $x = 63$ ,  $y = 75$ ,  $v = 294$ 

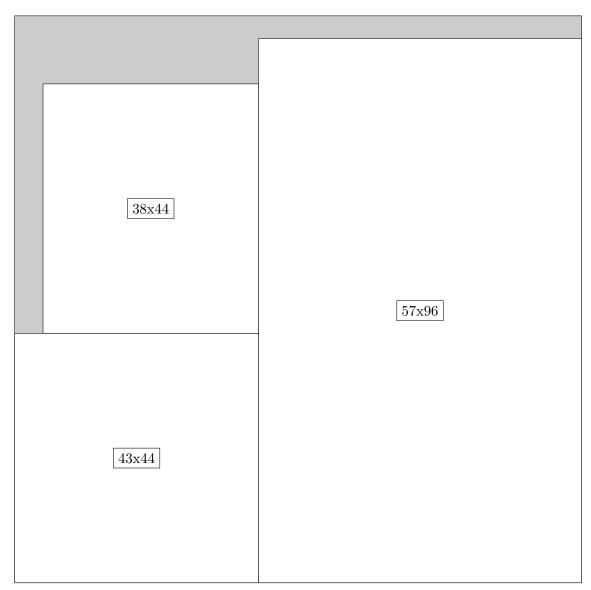
$$w = 63$$
,  $h = 72$ ,  $x = 0$ ,  $y = 0$ ,  $v = 4536$ 

$$w=\!37$$
 ,  $h=\!12$  ,  $x=\!26$  ,  $y=\!72$  ,  $v=\!444$ 

$$w$$
 =5 ,  $h$  =16 ,  $x$  =58 ,  $y$  =84 ,  $v$  =80

$$w = 32$$
,  $h = 14$ ,  $x = 26$ ,  $y = 84$ ,  $v = 448$ 

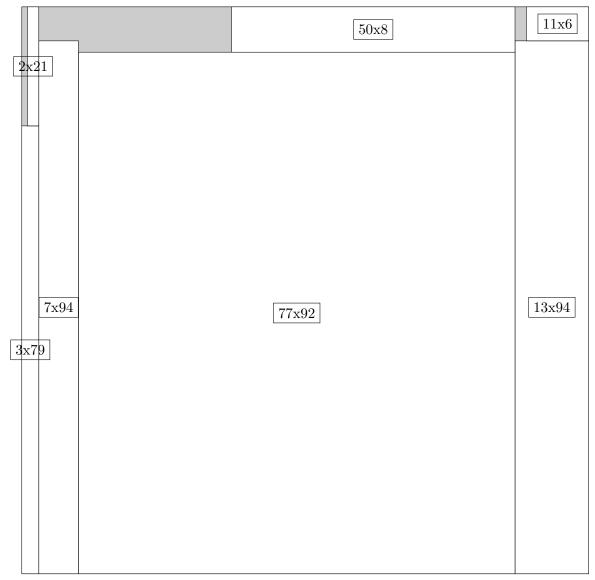
$$\le =23$$
 , h =21 , x =0 , y =72 , v =483



$$w$$
 =57 ,  $h$  =96 ,  $x$  =43 ,  $y$  =0 ,  $v$  =5472

$$\mathbf{w}$$
 =43 , h =44 , x =0 , y =0 , v =1892

$$\le =38$$
 , h =44 , x =5 , y =44 , v =1672



$$\le =13$$
 ,  $= 94$  ,  $= 87$  ,  $y = 0$  ,  $v = 1222$ 

$$w=\!11$$
 ,  $h=\!6$  ,  $x=\!89$  ,  $y=\!94$  ,  $v=\!66$ 

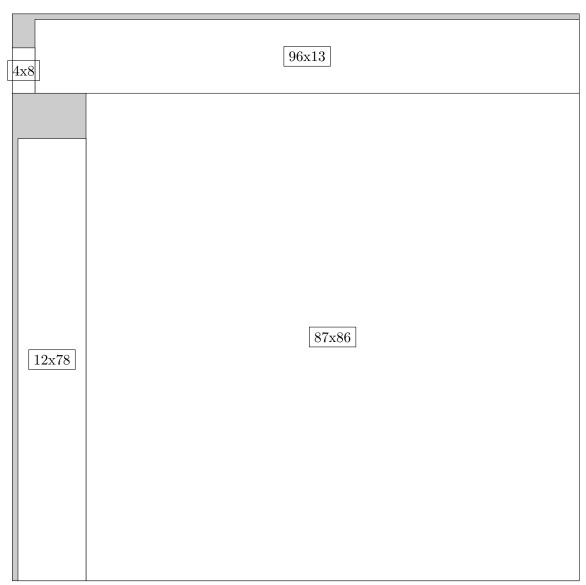
$$w$$
 =77 ,  $h$  =92 ,  $x$  =10 ,  $y$  =0 ,  $v$  =7084

$$w = 50$$
,  $h = 8$ ,  $x = 37$ ,  $y = 92$ ,  $v = 400$ 

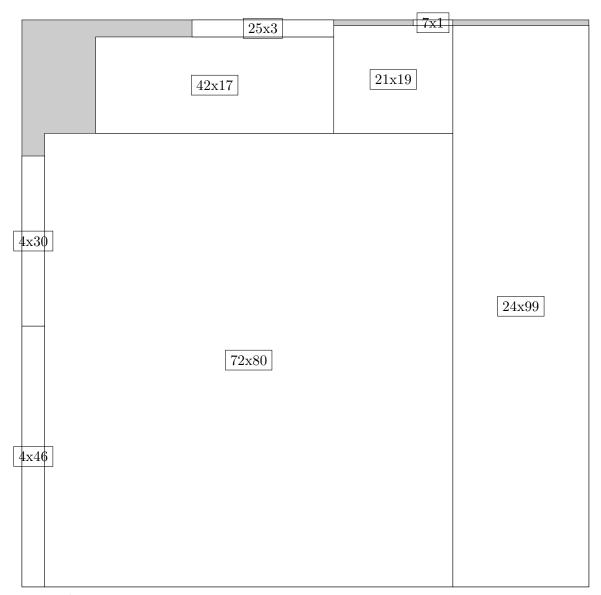
$$\mathbf{w}$$
 =7 , h =94 , x =3 , y =0 , v =658

$$\mathbf{w}$$
 =3 , h =79 , x =0 , y =0 , v =237

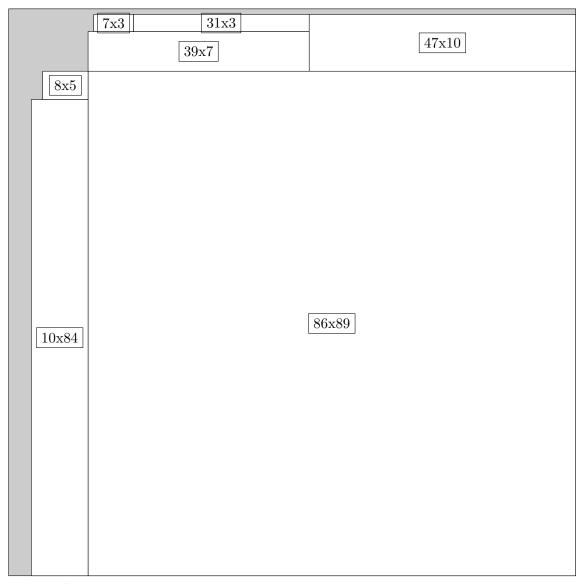
$$\mathbf{w}$$
 =2 , h =21 , x =1 , y =79 , v =42



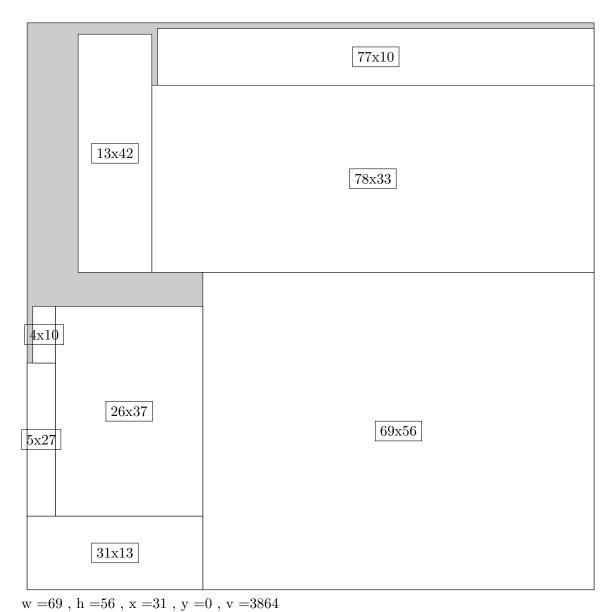
$$\begin{array}{l} w = \!\!87 \ , \ h = \!\!86 \ , \ x = \!\!13 \ , \ y = \!\!0 \ , \ v = \!\!7482 \\ w = \!\!12 \ , \ h = \!\!78 \ , \ x = \!\!1 \ , \ y = \!\!0 \ , \ v = \!\!936 \\ w = \!\!96 \ , \ h = \!\!13 \ , \ x = \!\!4 \ , \ y = \!\!86 \ , \ v = \!\!1248 \\ w = \!\!4 \ , \ h = \!\!8 \ , \ x = \!\!0 \ , \ y = \!\!86 \ , \ v = \!\!32 \end{array}$$



$$\begin{array}{l} w=24 \;,\; h=99 \;,\; x=76 \;,\; y=0 \;,\; v=2376 \\ w=72 \;,\; h=80 \;,\; x=4 \;,\; y=0 \;,\; v=5760 \\ w=21 \;,\; h=19 \;,\; x=55 \;,\; y=80 \;,\; v=399 \\ w=7 \;,\; h=1 \;,\; x=69 \;,\; y=99 \;,\; v=7 \\ w=42 \;,\; h=17 \;,\; x=13 \;,\; y=80 \;,\; v=714 \\ w=25 \;,\; h=3 \;,\; x=30 \;,\; y=97 \;,\; v=75 \\ w=4 \;,\; h=46 \;,\; x=0 \;,\; y=0 \;,\; v=184 \\ w=4 \;,\; h=30 \;,\; x=0 \;,\; y=46 \;,\; v=120 \end{array}$$



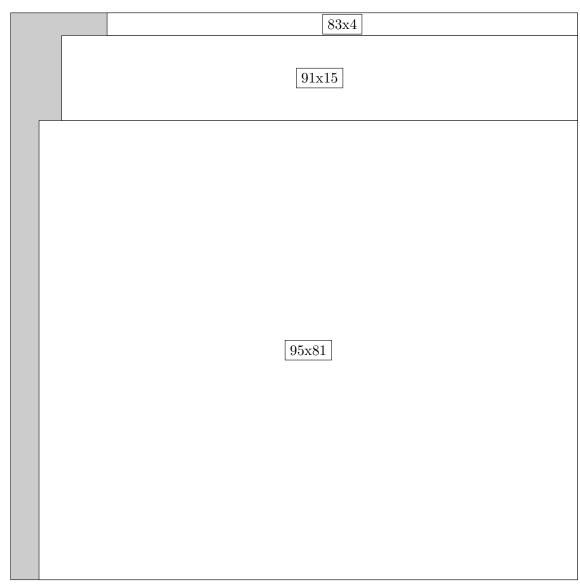
$$\begin{array}{l} w = & 86 \;, \; h = & 89 \;, \; x = & 14 \;, \; y = & 0 \;, \; v = & 7654 \\ w = & 10 \;, \; h = & 84 \;, \; x = & 4 \;, \; y = & 0 \;, \; v = & 840 \\ w = & 8 \;, \; h = & 5 \;, \; x = & 6 \;, \; y = & 84 \;, \; v = & 40 \\ w = & 47 \;, \; h = & 10 \;, \; x = & 53 \;, \; y = & 89 \;, \; v = & 470 \\ w = & 39 \;, \; h = & 7 \;, \; x = & 14 \;, \; y = & 89 \;, \; v = & 273 \\ w = & 31 \;, \; h = & 3 \;, \; x = & 22 \;, \; y = & 96 \;, \; v = & 93 \\ w = & 7 \;, \; h = & 3 \;, \; x = & 15 \;, \; y = & 96 \;, \; v = & 21 \end{array}$$



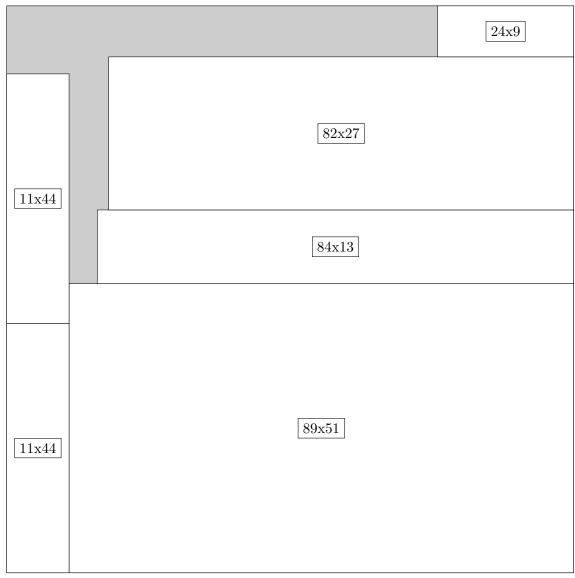
$$\begin{array}{l} w = \! 31 \; , \; h = \! 13 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 403 \\ w = \! 26 \; , \; h = \! 37 \; , \; x = \! 5 \; , \; y = \! 13 \; , \; v = \! 962 \\ w = \! 5 \; , \; h = \! 27 \; , \; x = \! 0 \; , \; y = \! 13 \; , \; v = \! 135 \\ w = \! 4 \; , \; h = \! 10 \; , \; x = \! 1 \; , \; y = \! 40 \; , \; v = \! 40 \\ w = \! 78 \; , \; h = \! 33 \; , \; x = \! 22 \; , \; y = \! 56 \; , \; v = \! 2574 \end{array}$$

$$w$$
 =77 ,  $h$  =10 ,  $x$  =23 ,  $y$  =89 ,  $v$  =770

$$\le =13$$
 , h =42 , x =9 , y =56 , v =546



$$\begin{array}{l} w = \! 95 \ , \ h = \! 81 \ , \ x = \! 5 \ , \ y = \! 0 \ , \ v = \! 7695 \\ w = \! 91 \ , \ h = \! 15 \ , \ x = \! 9 \ , \ y = \! 81 \ , \ v = \! 1365 \\ w = \! 83 \ , \ h = \! 4 \ , \ x = \! 17 \ , \ y = \! 96 \ , \ v = \! 332 \end{array}$$



$$w = 89$$
,  $h = 51$ ,  $x = 11$ ,  $y = 0$ ,  $v = 4539$ 

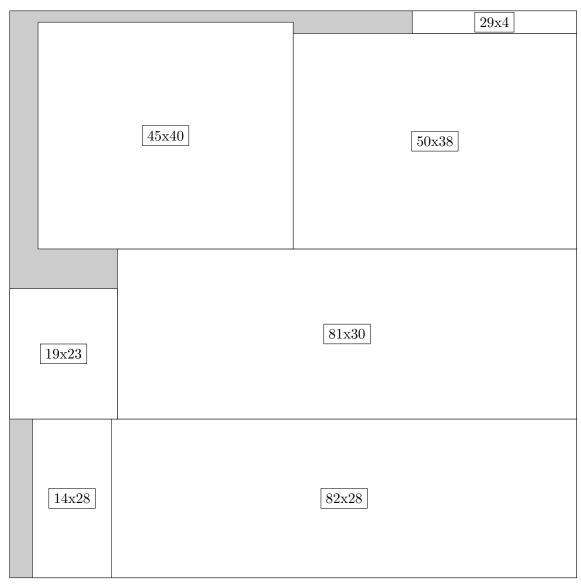
$$w$$
 =84 , h =13 , x =16 , y =51 , v =1092

$$\le =82$$
 ,  $h$  =27 ,  $x$  =18 ,  $y$  =64 ,  $v$  =2214

$$\le =24$$
 , h =9 , x =76 , y =91 , v =216

$$\mathbf{w}$$
 =11 , h =44 , x =0 , y =0 , v =484

$$w = 11$$
,  $h = 44$ ,  $x = 0$ ,  $y = 44$ ,  $v = 484$ 



$$w = 82$$
,  $h = 28$ ,  $x = 18$ ,  $y = 0$ ,  $v = 2296$ 

$$\mathbf{w}=\!14$$
 ,  $\mathbf{h}=\!28$  ,  $\mathbf{x}=\!4$  ,  $\mathbf{y}=\!0$  ,  $\mathbf{v}=\!392$ 

$$w$$
 =81 , h =30 , x =19 , y =28 , v =2430

$$\le =19$$
 , h =23 , x =0 , y =28 , v =437

$$\le =50$$
 , h =38 , x =50 , y =58 , v =1900

$$\le =29$$
 , h =4 , x =71 , y =96 , v =116

$$\le =45$$
 ,  $h=40$  ,  $x=5$  ,  $y=58$  ,  $v=1800$ 

