$ClassName: \ Class\_05.2bp-48$ 

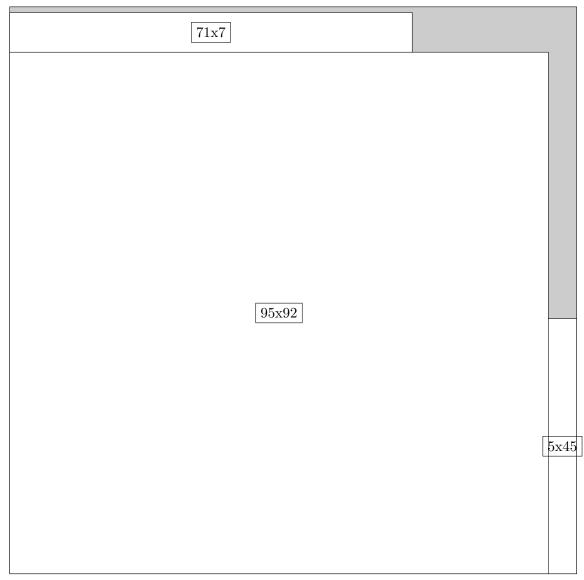
BinSize:  $\underline{100 \times 100}$ ReduceSize:  $\underline{100 \times 100}$ 

TypeNum: <u>100</u> Num: <u>100</u> OutS: <u>270000</u> InS: <u>249113</u> Rate: <u>0.923</u> UB: <u>27</u> LB0: <u>27</u>

LBWithCut:  $\underline{27}$ NodeCut:  $\underline{0}$ PrimalNode:  $\underline{0}$ ColumnCount:  $\underline{27}$ TotalCutCount:  $\underline{0}$ RootCutCount:  $\underline{0}$ LPSolverCnt:  $\underline{1}$ PricingSolverCnt:  $\underline{0}$ BranchAndBoundNum:  $\underline{1}$ 

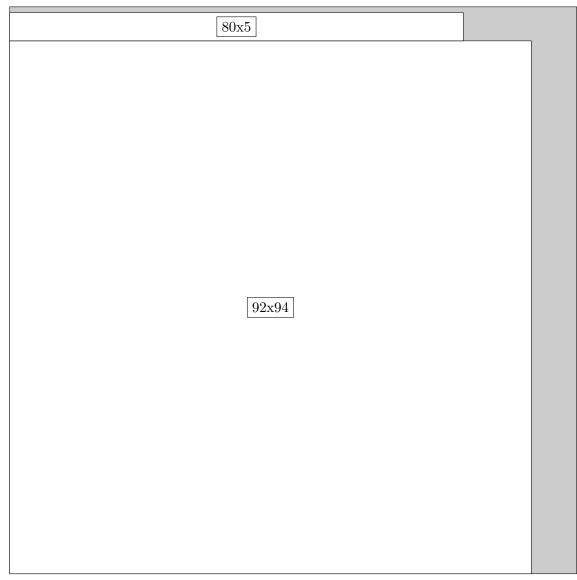
isOpt: **true** 

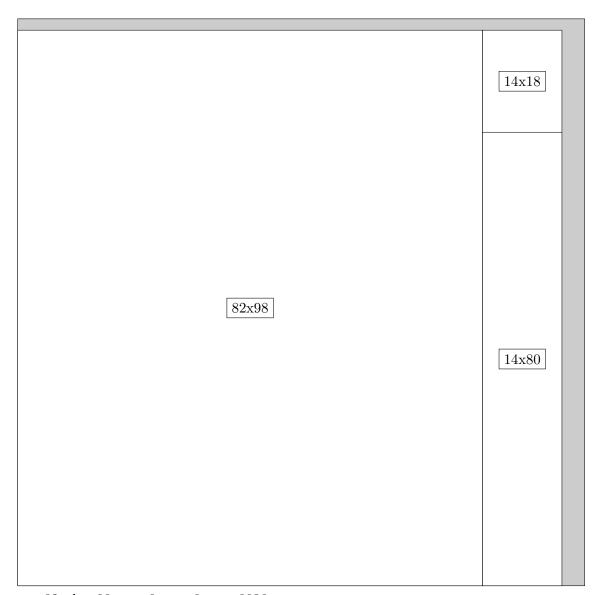
TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.083 sTotalTime: 0.146 s



$$\begin{array}{l} w = \! 95 \ , \ h = \! 92 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 8740 \\ w = \! 71 \ , \ h = \! 7 \ , \ x = \! 0 \ , \ y = \! 92 \ , \ v = \! 497 \end{array}$$

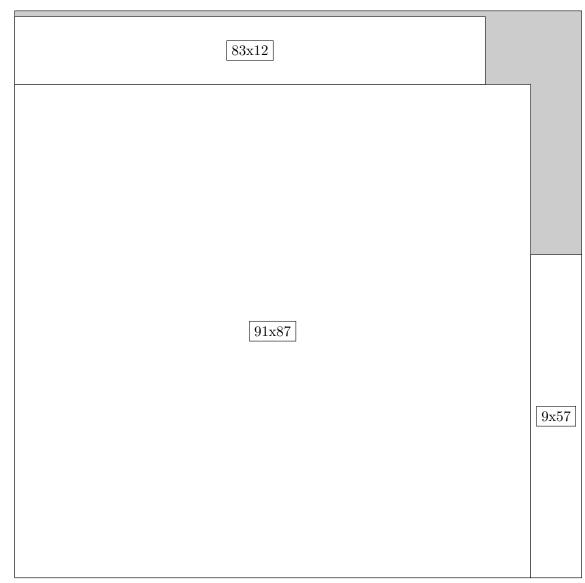
$$w$$
 =5 , h =45 , x =95 , y =0 , v =225



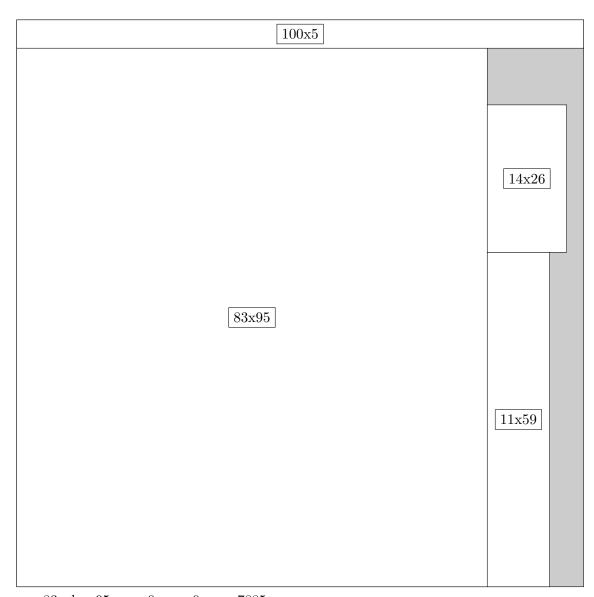


$$\le =14$$
 ,  $h$  =80 ,  $x$  =82 ,  $y$  =0 ,  $v$  =1120

$$\le =14$$
 ,  $h$  =18 ,  $x$  =82 ,  $y$  =80 ,  $v$  =252



$$\begin{array}{l} w = \! 91 \; , \; h = \! 87 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 7917 \\ w = \! 83 \; , \; h = \! 12 \; , \; x = \! 0 \; , \; y = \! 87 \; , \; v = \! 996 \\ w = \! 9 \; , \; h = \! 57 \; , \; x = \! 91 \; , \; y = \! 0 \; , \; v = \! 513 \end{array}$$

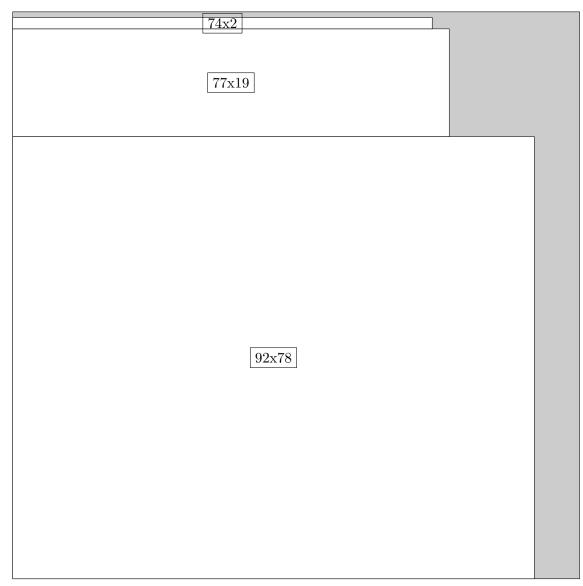


$$\le =100$$
 , h =5 , x =0 , y =95 , v =500

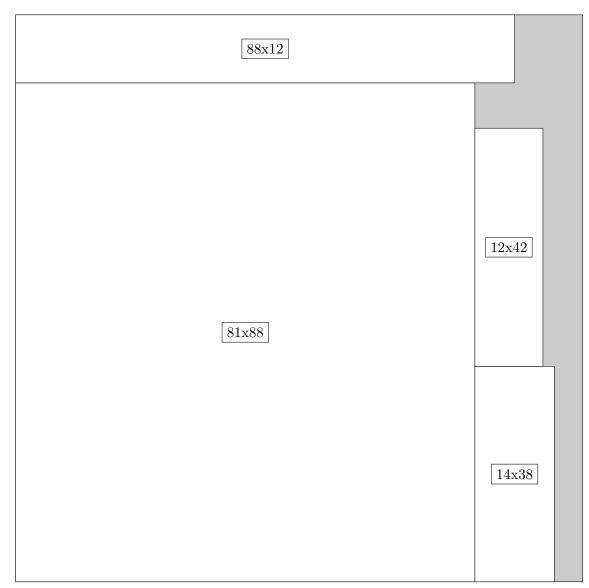
$$\le =14$$
 , h =26 , x =83 , y =59 , v =364

89x16	11x16
92x82	

$$\begin{array}{l} w = 92 \ , \ h = 82 \ , \ x = 0 \ , \ y = 0 \ , \ v = 7544 \\ w = 89 \ , \ h = 16 \ , \ x = 0 \ , \ y = 82 \ , \ v = 1424 \\ w = 11 \ , \ h = 16 \ , \ x = 89 \ , \ y = 82 \ , \ v = 176 \end{array}$$



$$\begin{array}{l} w = 92 \ , \ h = 78 \ , \ x = 0 \ , \ y = 0 \ , \ v = 7176 \\ w = 77 \ , \ h = 19 \ , \ x = 0 \ , \ y = 78 \ , \ v = 1463 \\ w = 74 \ , \ h = 2 \ , \ x = 0 \ , \ y = 97 \ , \ v = 148 \end{array}$$



$$\le =81$$
 ,  $h=88$  ,  $x=0$  ,  $y=0$  ,  $v=7128$ 

$$\le =88$$
 ,  $h$  =12 ,  $x$  =0 ,  $y$  =88 ,  $v$  =1056

$$\le =14$$
 , h =38 , x =81 , y =0 , v =532

$$w$$
 =12 , h =42 , x =81 , y =38 , v =504

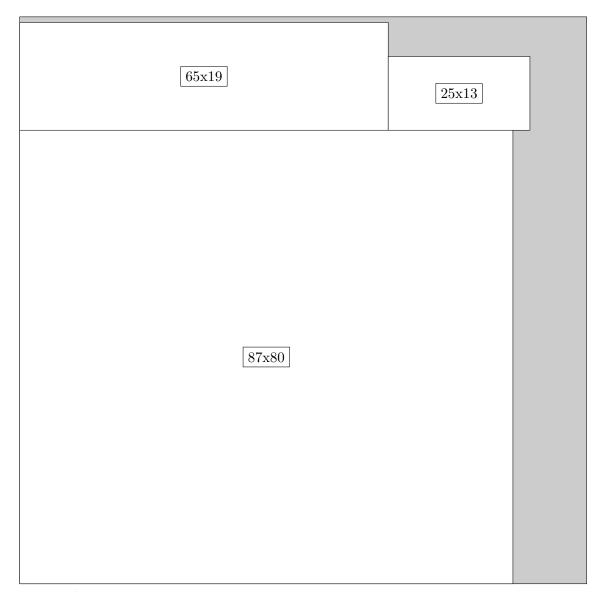
	73x15
$60\mathrm{x}23$	$\boxed{40\mathrm{x}24}$
94x60	

$$\le =94$$
 ,  $h$  =60 ,  $x$  =0 ,  $y$  =0 ,  $v$  =5640

$$\le =60$$
 , h =23 , x =0 , y =60 , v =1380

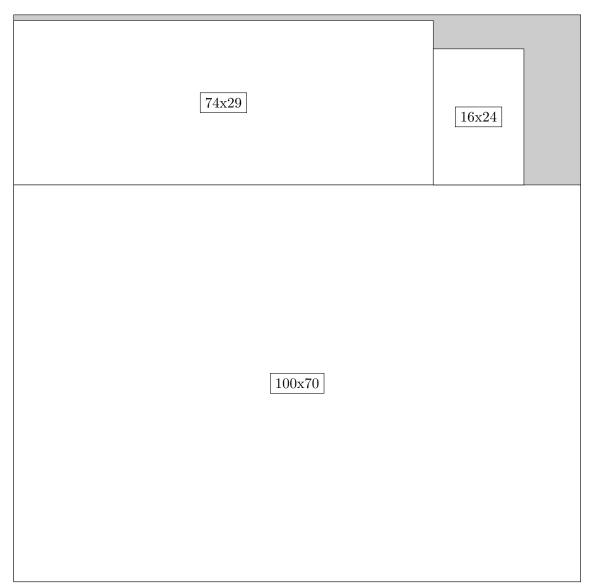
$$\le -73$$
 , h =15 , x =27 , y =84 , v =1095

$$\le =40$$
 , h =24 , x =60 , y =60 , v =960

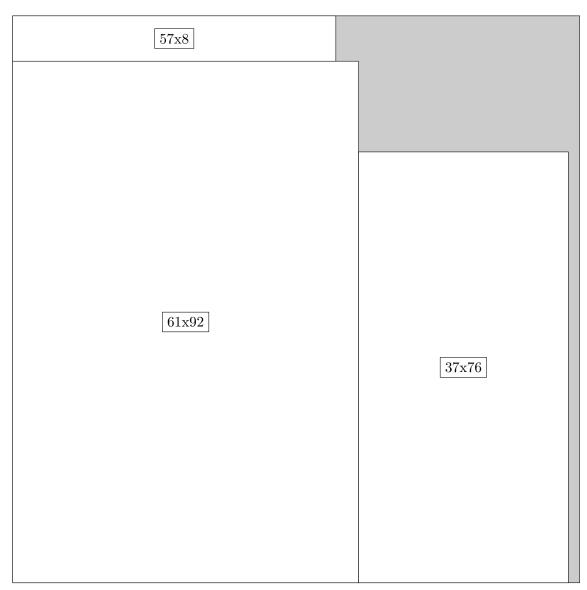


$$\begin{array}{l} w = \!\!87 \ , \ h = \!\!80 \ , \ x = \!\!0 \ , \ y = \!\!0 \ , \ v = \!\!6960 \\ w = \!\!65 \ , \ h = \!\!19 \ , \ x = \!\!0 \ , \ y = \!\!80 \ , \ v = \!\!1235 \end{array}$$

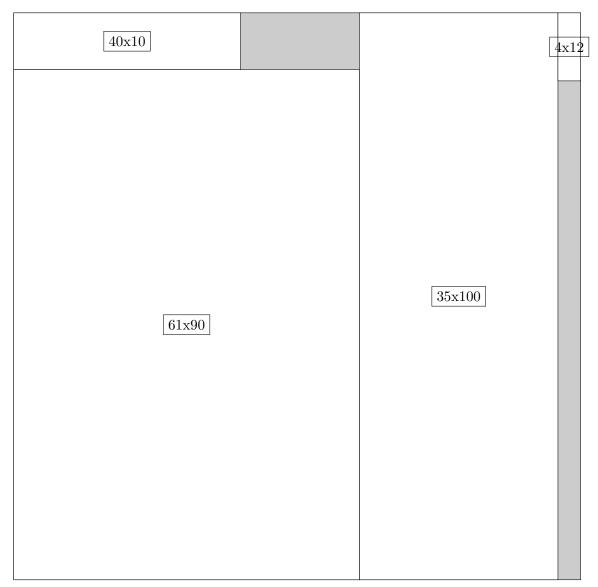
$$w=25$$
 ,  $h=\!13$  ,  $x=\!65$  ,  $y=\!80$  ,  $v=\!325$ 



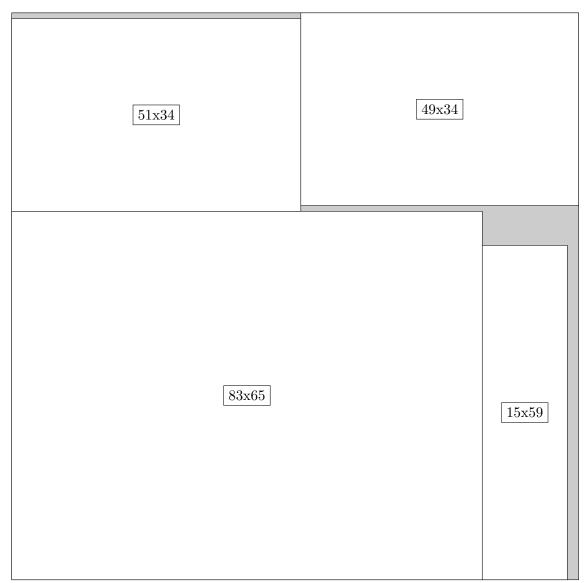
$$\begin{array}{l} w = \!\!\!\! 74 \ , \ h = \!\!\!\! 29 \ , \ x = \!\!\!\! 0 \ , \ y = \!\!\!\! 70 \ , \ v = \!\!\!\! 2146 \\ w = \!\!\!\! 100 \ , \ h = \!\!\!\! 70 \ , \ x = \!\!\!\! 0 \ , \ y = \!\!\!\! 0 \ , \ v = \!\!\!\! 7000 \\ w = \!\!\!\! 16 \ , \ h = \!\!\!\! 24 \ , \ x = \!\!\!\! 74 \ , \ y = \!\!\!\! 70 \ , \ v = \!\!\!\! 384 \end{array}$$



 $\begin{array}{l} w = \!\!61 \ , \ h = \!\!92 \ , \ x = \!\!0 \ , \ y = \!\!0 \ , \ v = \!\!5612 \\ w = \!\!37 \ , \ h = \!\!76 \ , \ x = \!\!61 \ , \ y = \!\!0 \ , \ v = \!\!2812 \\ w = \!\!57 \ , \ h = \!\!8 \ , \ x = \!\!0 \ , \ y = \!\!92 \ , \ v = \!\!456 \end{array}$ 



$$\begin{array}{l} w = \!61 \; , \; h = \!90 \; , \; x = \!0 \; , \; y = \!0 \; , \; v = \!5490 \\ w = \!35 \; , \; h = \!100 \; , \; x = \!61 \; , \; y = \!0 \; , \; v = \!3500 \\ w = \!40 \; , \; h = \!10 \; , \; x = \!0 \; , \; y = \!90 \; , \; v = \!400 \\ w = \!4 \; , \; h = \!12 \; , \; x = \!96 \; , \; y = \!88 \; , \; v = \!48 \end{array}$$

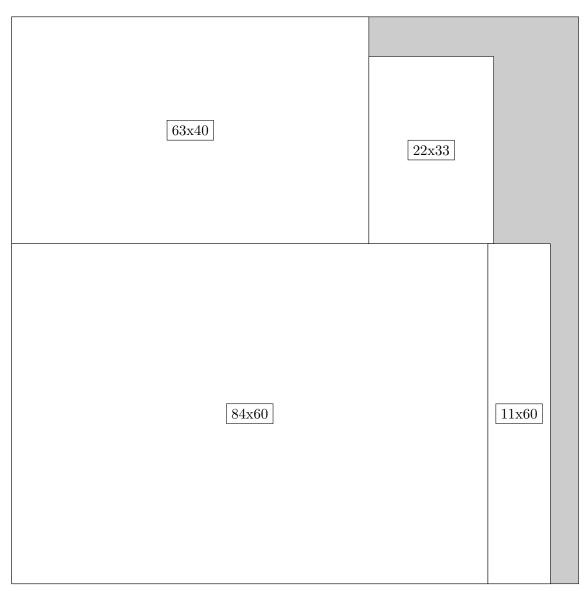


$$\le =83$$
 , h =65 , x =0 , y =0 , v =5395

$$\le =51$$
 , h =34 , x =0 , y =65 , v =1734

$$\le =49$$
 , h =34 , x =51 , y =66 , v =1666

$$\le =15$$
 ,  $h=59$  ,  $x=83$  ,  $y=0$  ,  $v=885$ 

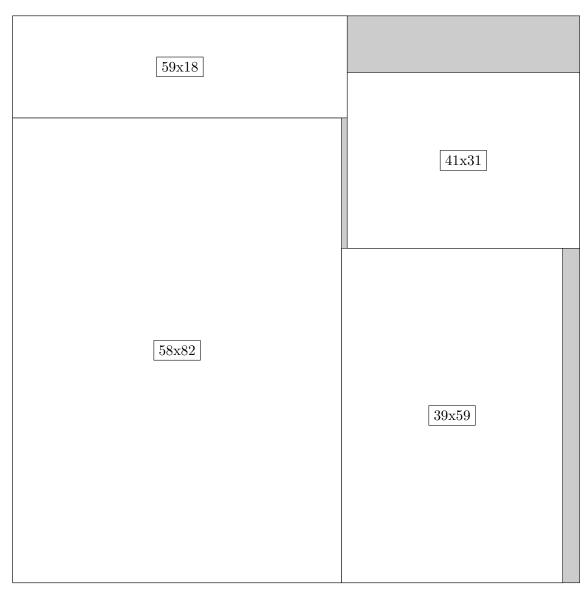


$$w$$
 =84 ,  $h$  =60 ,  $x$  =0 ,  $y$  =0 ,  $v$  =5040

$$\le =63$$
 ,  $h=\!40$  ,  $x=\!0$  ,  $y=\!60$  ,  $v=\!2520$ 

$$\le =22$$
 , h =33 , x =63 , y =60 , v =726

$$\le =11$$
 ,  $h=60$  ,  $x=84$  ,  $y=0$  ,  $v=660$ 

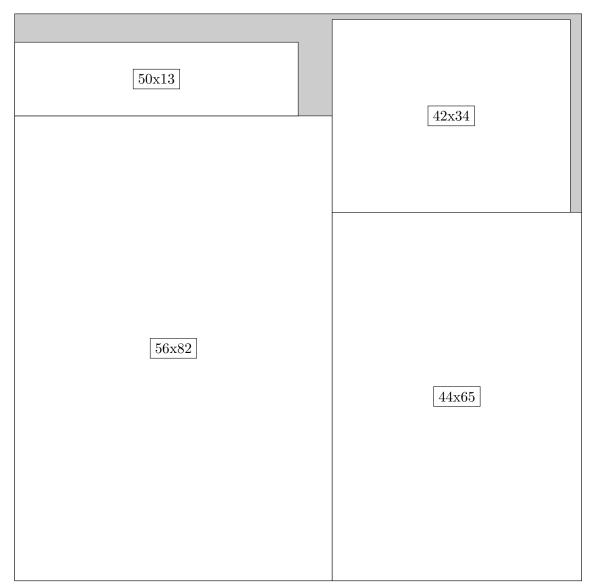


$$\mathbf{w}$$
 =58 , h =82 , x =0 , y =0 , v =4756

$$\le =39$$
 , h =59 , x =58 , y =0 , v =2301

$$\le =41$$
 , h =31 , x =59 , y =59 , v =1271

$$\le =59$$
 , h =18 , x =0 , y =82 , v =1062

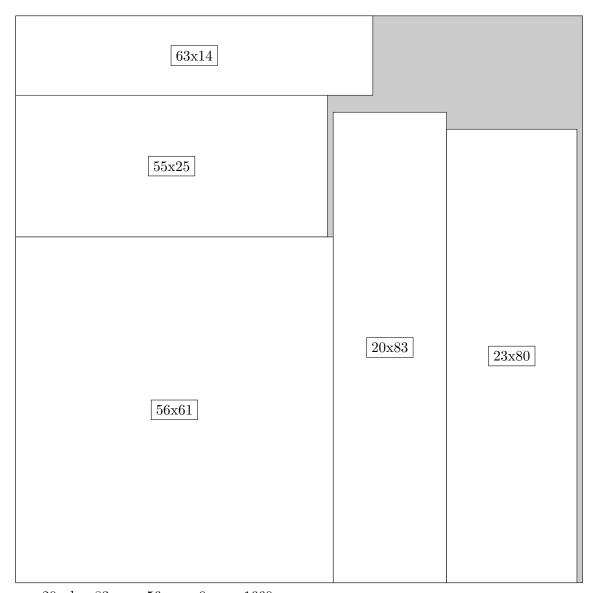


$$\le =56$$
 ,  $h=82$  ,  $x=0$  ,  $y=0$  ,  $v=4592$ 

$$\le =44$$
 , h =65 , x =56 , y =0 , v =2860

$$\le =42$$
 , h =34 , x =56 , y =65 , v =1428

$$\le =50$$
 ,  $h$  =13 ,  $x$  =0 ,  $y$  =82 ,  $v$  =650



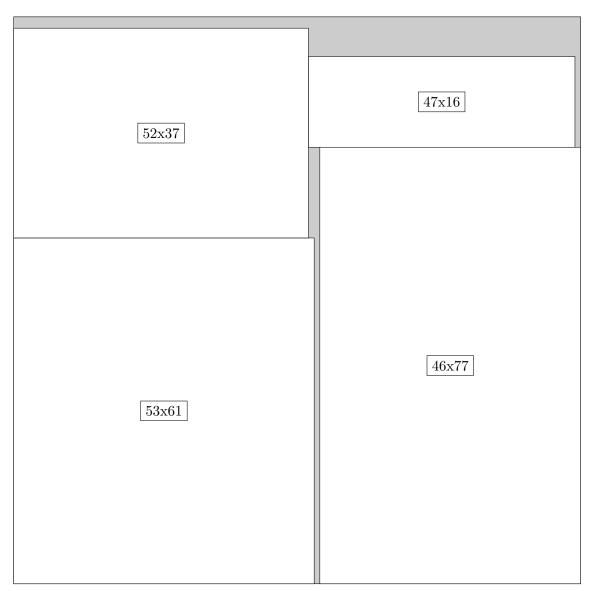
$$\le =20$$
 , h =83 , x =  
56 , y =0 , v =  
1660

$$\le =23$$
 , h =80 , x =76 , y =0 , v =1840

$$\le =55$$
 , h =25 , x =0 , y =61 , v =1375

$$\mathbf{w}$$
 =56 , h =61 , x =0 , y =0 , v =3416

$$w = 63$$
,  $h = 14$ ,  $x = 0$ ,  $y = 86$ ,  $v = 882$ 



$$\mathbf{w}$$
 =46 , h =77 , x =54 , y =0 , v =3542

$$w = 53$$
,  $h = 61$ ,  $x = 0$ ,  $y = 0$ ,  $v = 3233$ 

$$\le -52$$
 , h =37 , x =0 , y =61 , v =1924

$$\mathbf{w}$$
 =47 , h =16 , x =52 , y =77 , v =752

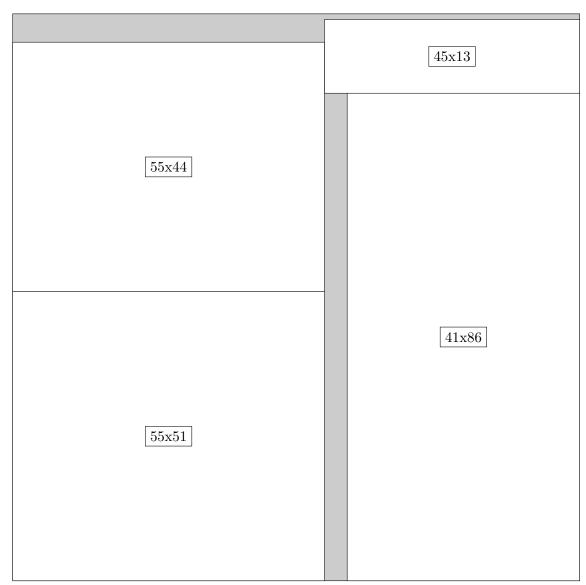
53x42		
55x58	22x100	20x100

 $\le =55$  , h=58 , x=0 , y=0 , v=3190

 $\le =53$  , h =42 , x =0 , y =58 , v =2226

 $\le =22$  , h =100 , x =55 , y =0 , v =2200

 $\le =20$  , h=100 , x=77 , y=0 , v=2000

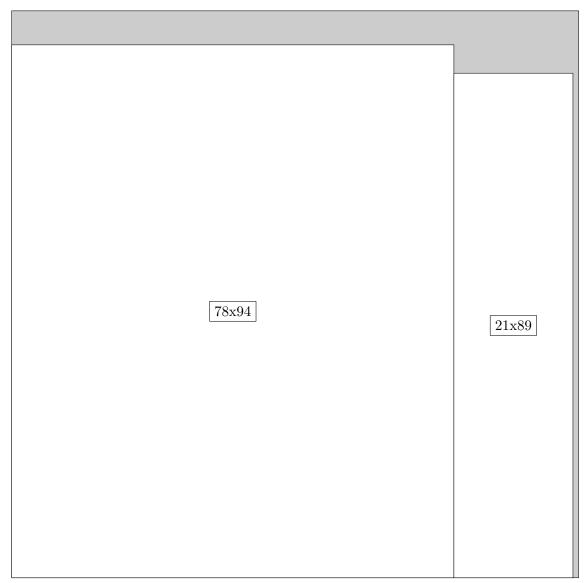


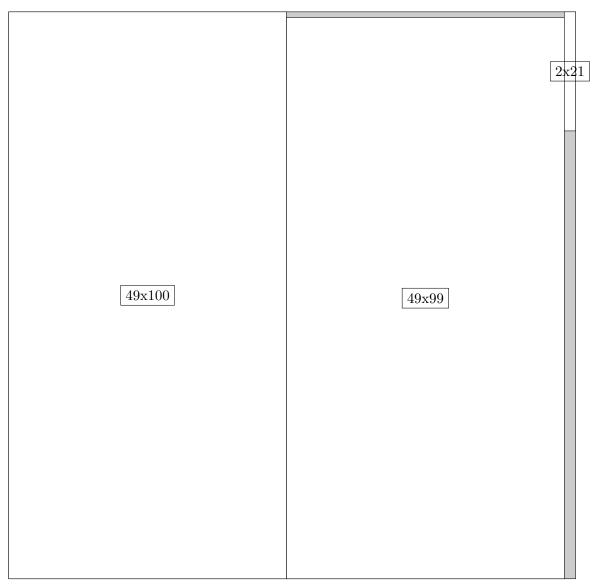
$$\le =41$$
 , h =86 , x =59 , y =0 , v =3526

$$\le =55$$
 , h =51 , x =0 , y =0 , v =2805

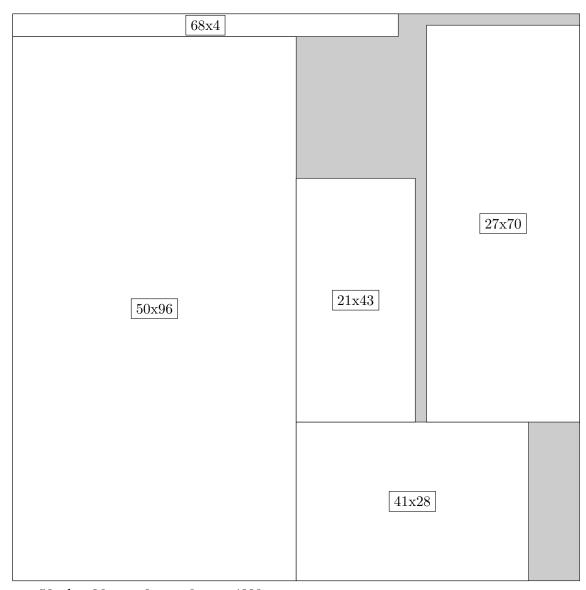
$$\le =55$$
 , h =44 , x =0 , y =51 , v =2420

$$\le =45$$
 ,  $h=13$  ,  $x=55$  ,  $y=86$  ,  $v=585$ 





 $\begin{array}{l} w = \!\! 49 \ , \ h = \!\! 100 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 4900 \\ w = \!\! 49 \ , \ h = \!\! 99 \ , \ x = \!\! 49 \ , \ y = \!\! 0 \ , \ v = \!\! 4851 \\ w = \!\! 2 \ , \ h = \!\! 21 \ , \ x = \!\! 98 \ , \ y = \!\! 79 \ , \ v = \!\! 42 \end{array}$ 



$$\mathbf{w}$$
 =50 ,  $\mathbf{h}$  =96 ,  $\mathbf{x}$  =0 ,  $\mathbf{y}$  =0 ,  $\mathbf{v}$  =4800

$$\le =41$$
 ,  $h$  =28 ,  $x$  =50 ,  $y$  =0 ,  $v$  =1148

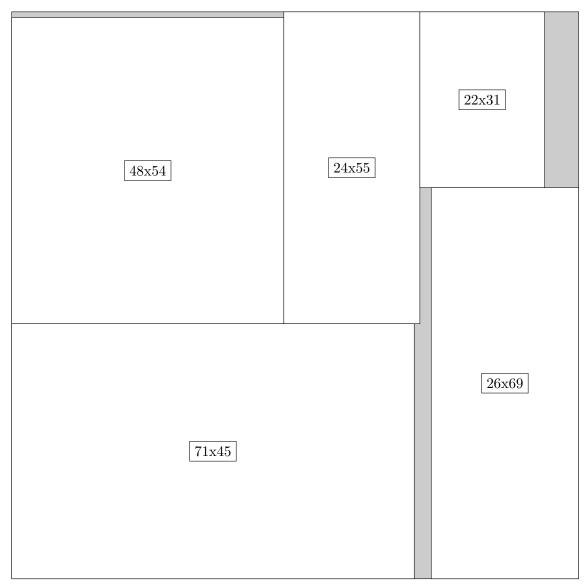
$$\le =21$$
 , h =43 , x =50 , y =28 , v =903

$$\le =27$$
 ,  $h=70$  ,  $x=73$  ,  $y=28$  ,  $v=1890$ 

$$w = 68$$
,  $h = 4$ ,  $x = 0$ ,  $y = 96$ ,  $v = 272$ 



$$\begin{array}{l} w = \! 95 \ , \ h = \! 46 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 4370 \\ w = \! 98 \ , \ h = \! 43 \ , \ x = \! 0 \ , \ y = \! 46 \ , \ v = \! 4214 \\ w = \! 15 \ , \ h = \! 8 \ , \ x = \! 0 \ , \ y = \! 89 \ , \ v = \! 120 \\ w = \! 6 \ , \ h = \! 5 \ , \ x = \! 15 \ , \ y = \! 89 \ , \ v = \! 30 \end{array}$$



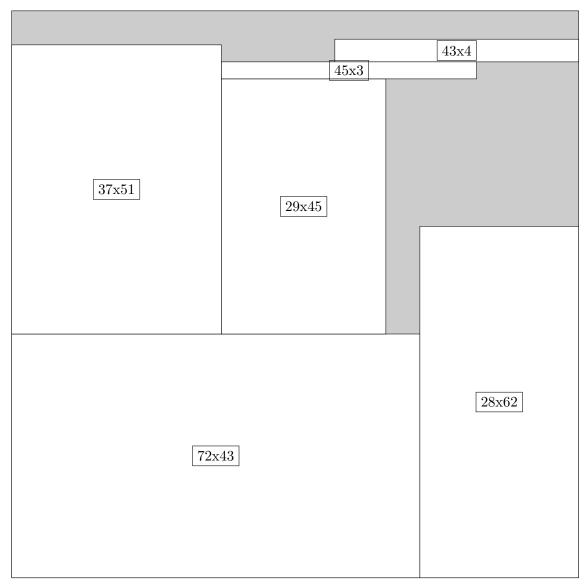
$$w$$
 =71 ,  $h$  =45 ,  $x$  =0 ,  $y$  =0 ,  $v$  =3195

$$w = 48$$
,  $h = 54$ ,  $x = 0$ ,  $y = 45$ ,  $v = 2592$ 

$$\le =26$$
 ,  $h=69$  ,  $x=74$  ,  $y=0$  ,  $v=1794$ 

$$\le =24$$
 , h =55 , x =48 , y =45 , v =1320

$$\le =22$$
 , h =31 , x =72 , y =69 , v =682



$$\mathbf{w}$$
 =72 , h =43 , x =0 , y =0 , v =3096

$$w = 37$$
,  $h = 51$ ,  $x = 0$ ,  $y = 43$ ,  $v = 1887$ 

$$\le =28$$
 , h =62 , x =72 , y =0 , v =1736

$$\le =29$$
 , h =45 , x =37 , y =43 , v =1305

$$\mathbf{w}$$
 =43 , h =4 , x =57 , y =91 , v =172

$$\le =45$$
 ,  $h=3$  ,  $x=37$  ,  $y=88$  ,  $v=135$