$ClassName: \ Class_05.2bp-48$

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>

LB: <u>27</u> LBWithCut: <u>27</u> NodeCut: <u>0</u>

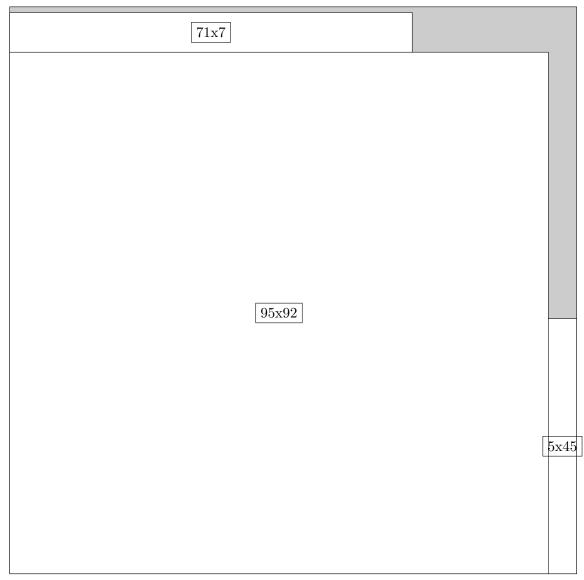
 $\operatorname{ExtendedNodeCnt}$: $\underline{\mathbf{1}}$

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

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

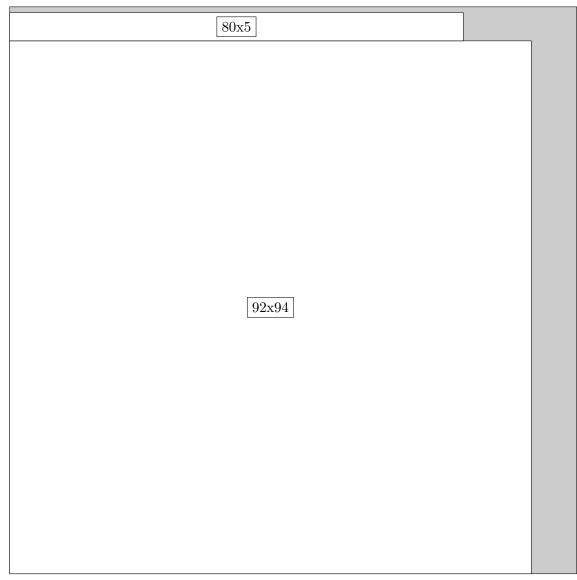
TimeOnInitSolution: $\underline{14.340 \text{ s}}$

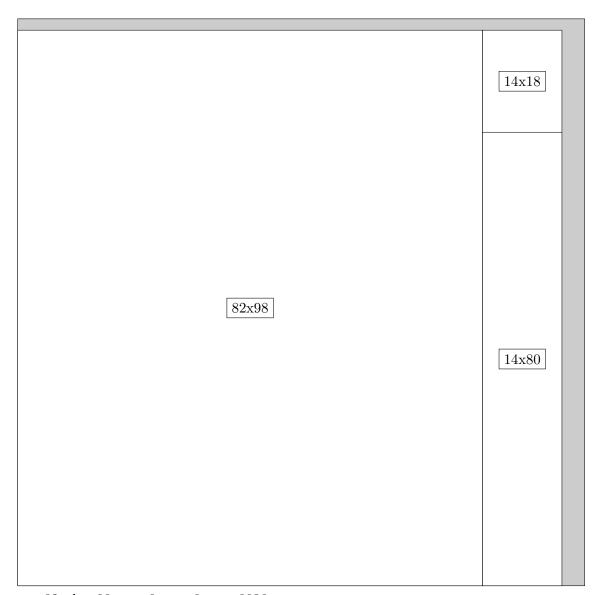
TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.078 sTotalTime: 14.496 s



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

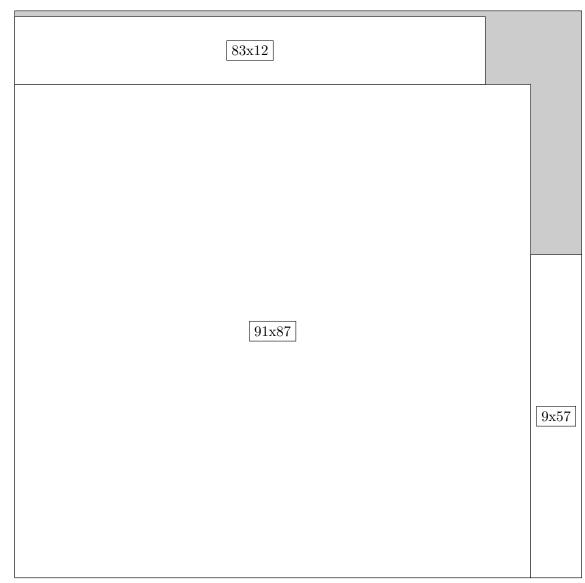
$$w$$
 =5 , h =45 , x =95 , y =0 , v =225



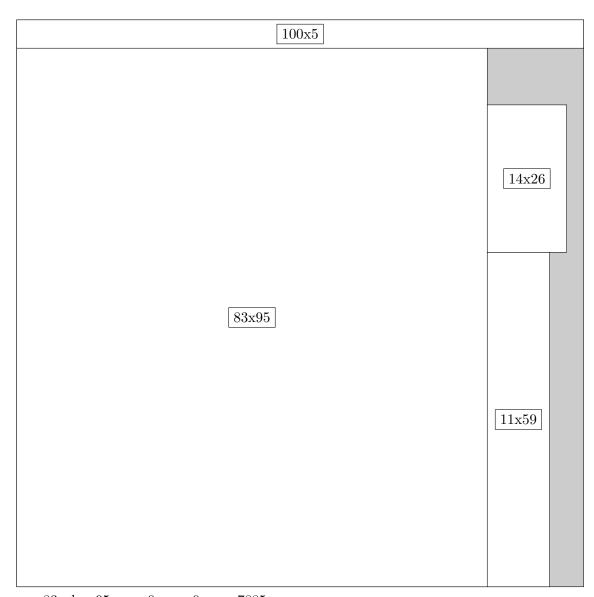


$$\le =14$$
 , h =80 , x =82 , y =0 , v =1120

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



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

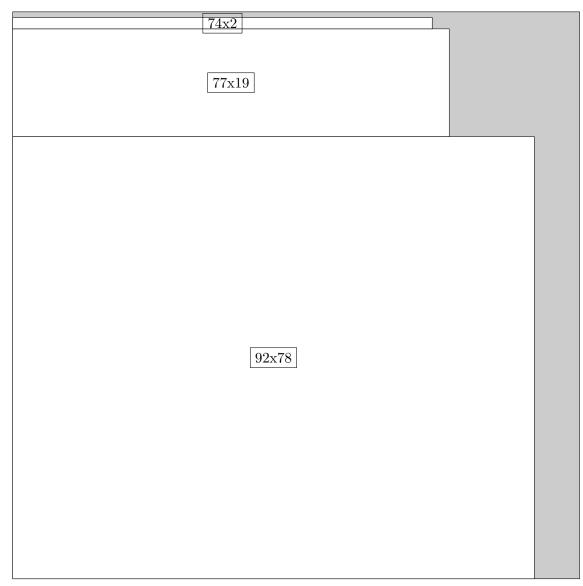


$$\le =100$$
 , h =5 , x =0 , y =95 , v =500

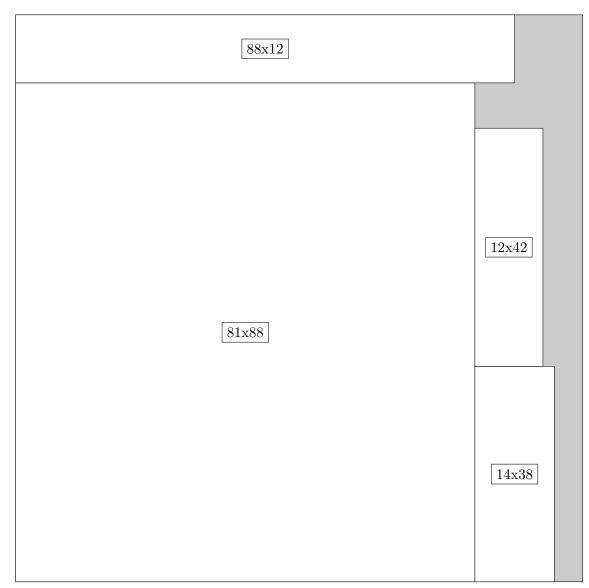
$$\le =14$$
 , h =26 , x =83 , y =59 , v =364

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

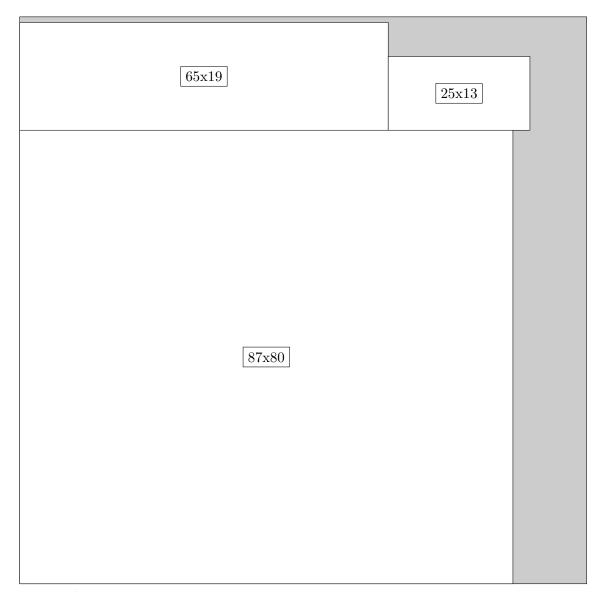
	73x15
$60\mathrm{x}23$	$\boxed{40\mathrm{x}24}$
94x60	

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

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

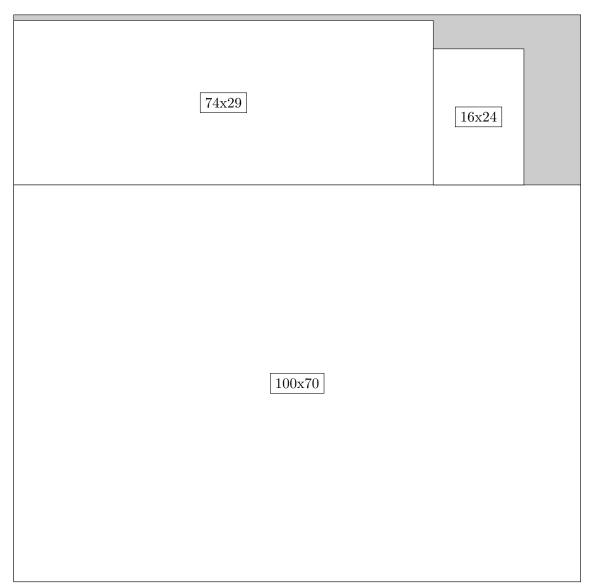
$$\le -73$$
 , h =15 , x =27 , y =84 , v =1095

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

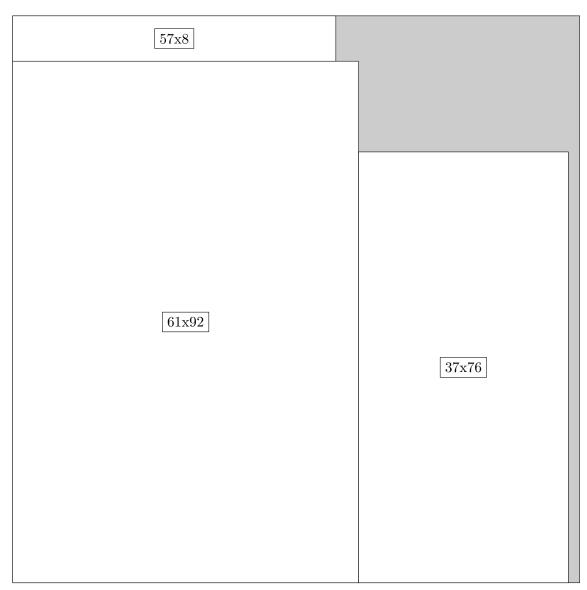


$$\begin{array}{l} w = \!\!87 \ , \ h = \!\!80 \ , \ x = \!\!0 \ , \ y = \!\!0 \ , \ v = \!\!6960 \\ w = \!\!65 \ , \ h = \!\!19 \ , \ x = \!\!0 \ , \ y = \!\!80 \ , \ v = \!\!1235 \end{array}$$

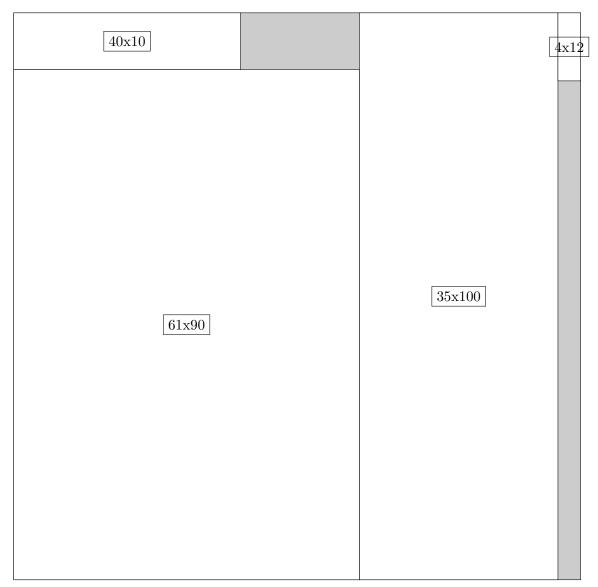
$$w=25$$
 , $h=\!13$, $x=\!65$, $y=\!80$, $v=\!325$



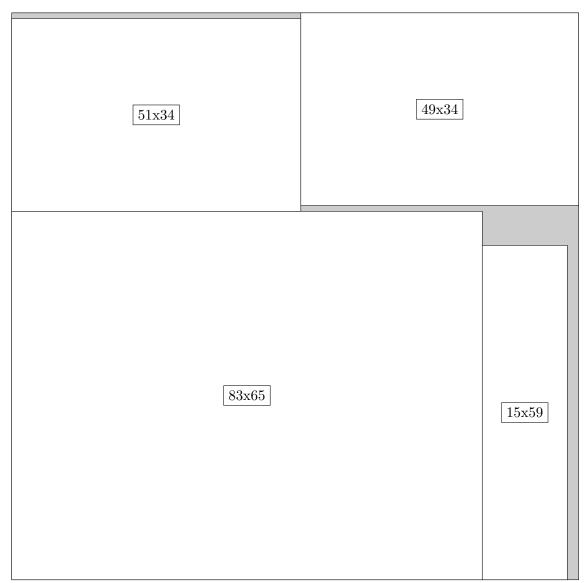
$$\begin{array}{l} w = \!\!\!\! 74 \ , \ h = \!\!\!\! 29 \ , \ x = \!\!\!\! 0 \ , \ y = \!\!\!\! 70 \ , \ v = \!\!\!\! 2146 \\ w = \!\!\!\! 100 \ , \ h = \!\!\!\! 70 \ , \ x = \!\!\!\! 0 \ , \ y = \!\!\!\! 0 \ , \ v = \!\!\!\! 7000 \\ w = \!\!\!\! 16 \ , \ h = \!\!\!\! 24 \ , \ x = \!\!\!\! 74 \ , \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



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



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

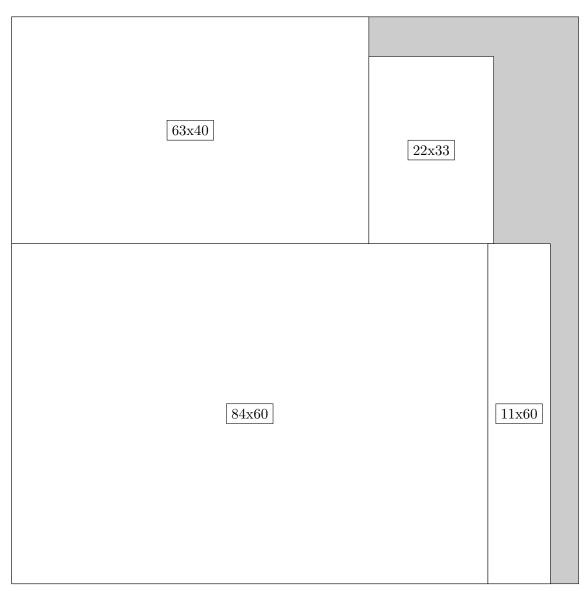


$$\le =83$$
 , h =65 , x =0 , y =0 , v =5395

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

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

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

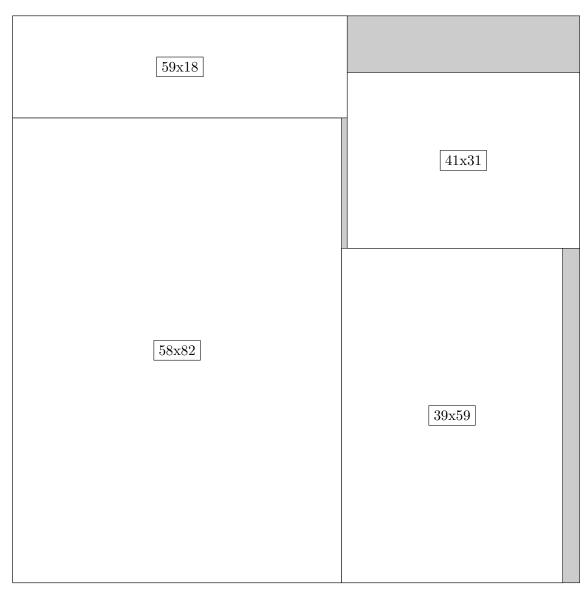


$$w$$
 =84 , h =60 , x =0 , y =0 , v =5040

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

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

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

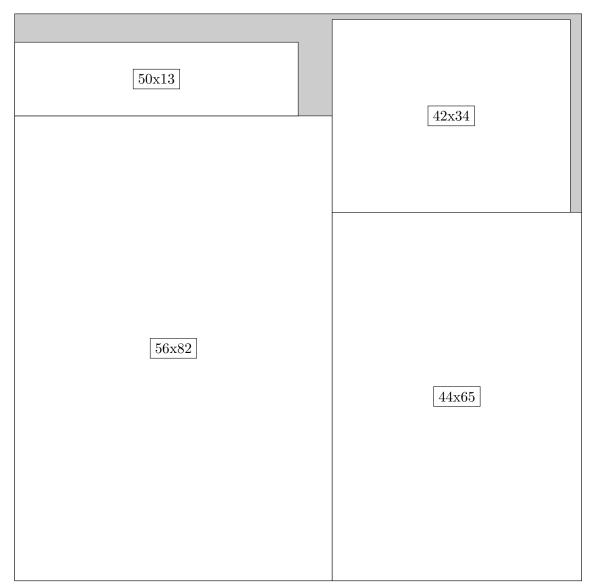


$$\mathbf{w}$$
 =58 , h =82 , x =0 , y =0 , v =4756

$$\le =39$$
 , 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

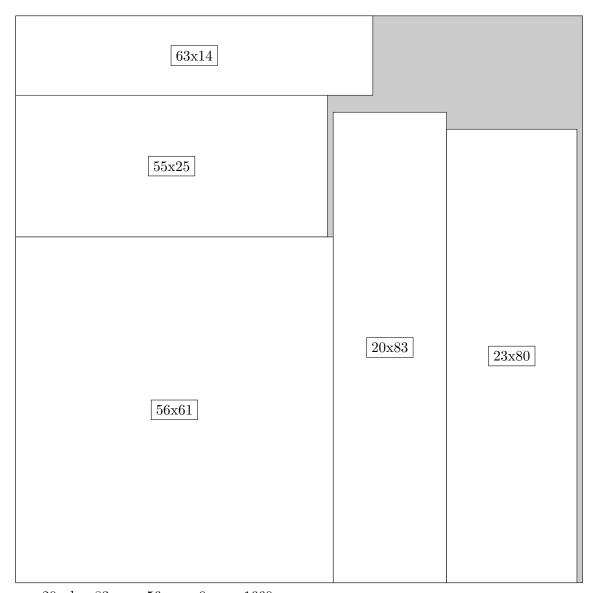


$$\le =56$$
 , $h=82$, $x=0$, $y=0$, $v=4592$

$$\le =44$$
 , 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



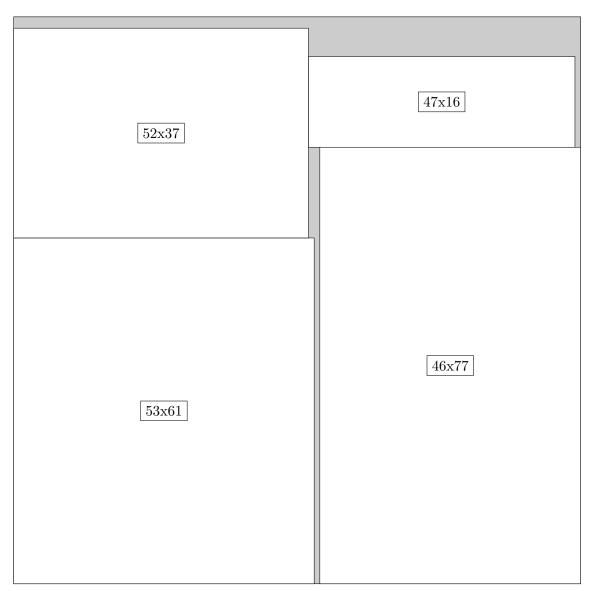
$$\le =20$$
 , h =83 , x =
56 , y =0 , v =
1660

$$\le =23$$
 , 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

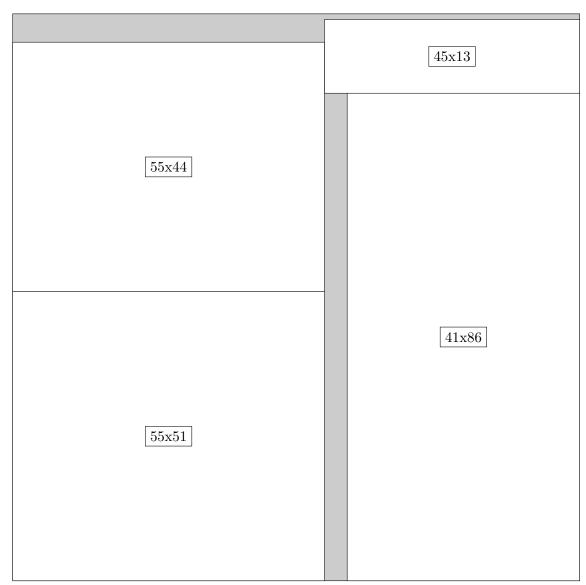
53x42		
55x58	22x100	20x100

 $\le =55$, 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

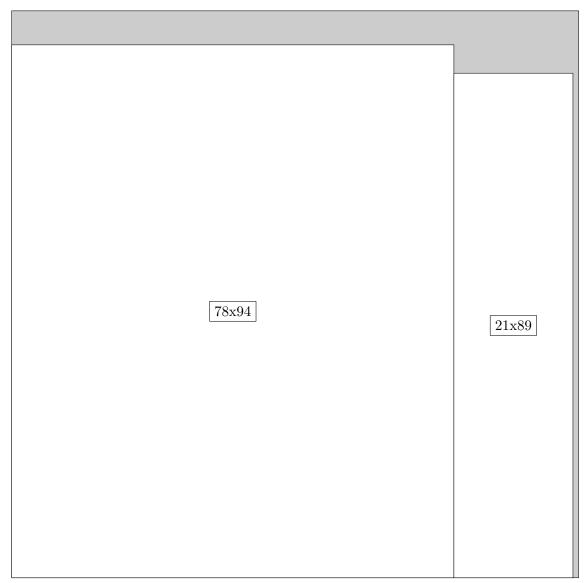


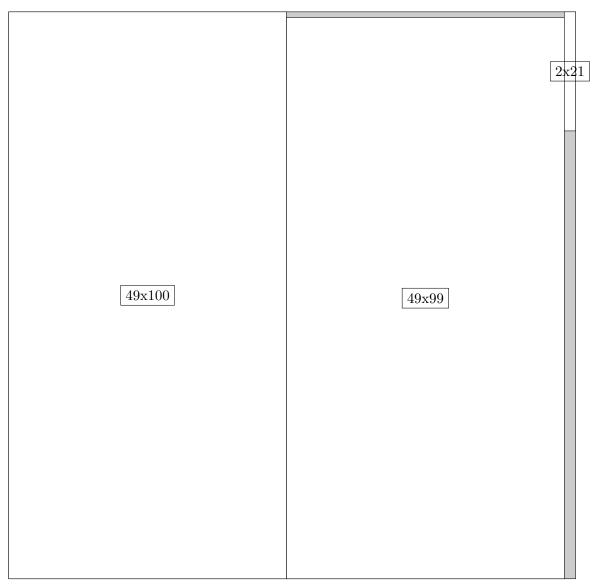
$$\le =41$$
 , h =86 , x =59 , y =0 , v =3526

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

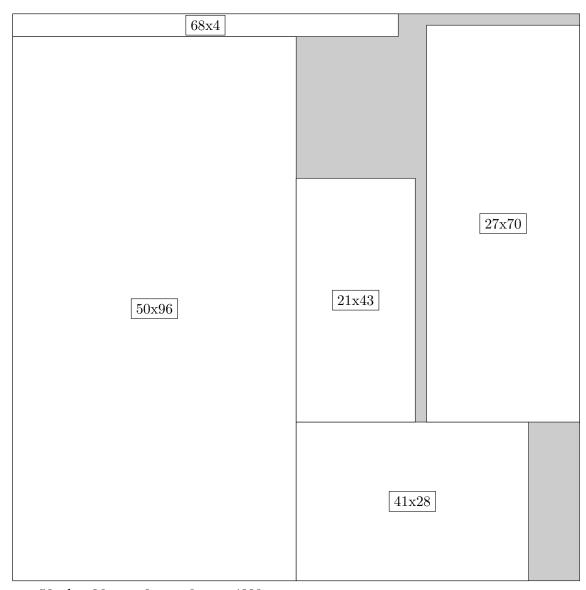
$$\le =55$$
 , h =44 , x =0 , y =51 , v =2420

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





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



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

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

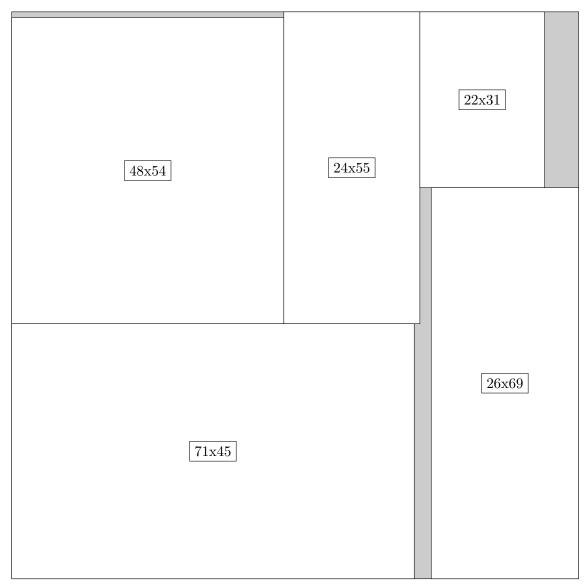
$$\le =21$$
 , h =43 , x =50 , y =28 , v =903

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

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



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



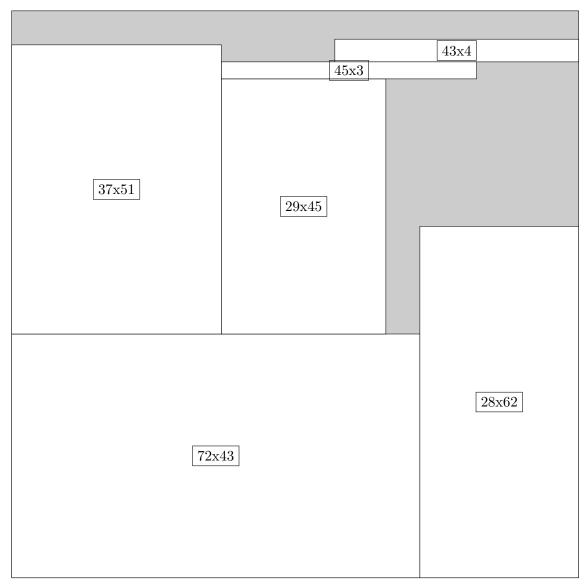
$$w$$
 =71 , h =45 , x =0 , y =0 , v =3195

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

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

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

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



$$w = 72$$
, $h = 43$, $x = 0$, $y = 0$, $v = 3096$

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

$$\le =28$$
 , 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

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