$ClassName: \ Class_05.2bp-46$

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

TypeNum: <u>99</u>
Num: <u>100</u>
OutS: <u>250000</u>
InS: <u>231135</u>
Rate: <u>0.925</u>
UB: <u>25</u>
LB0: <u>25</u>
LB: <u>25</u>

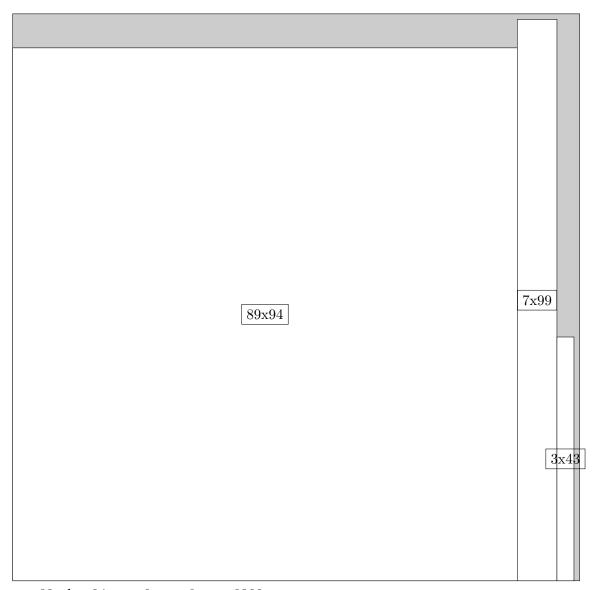
LBWithCut: $\underline{25}$ NodeCut: $\underline{0}$

Extended NodeCnt: $\underline{\mathbf{1}}$

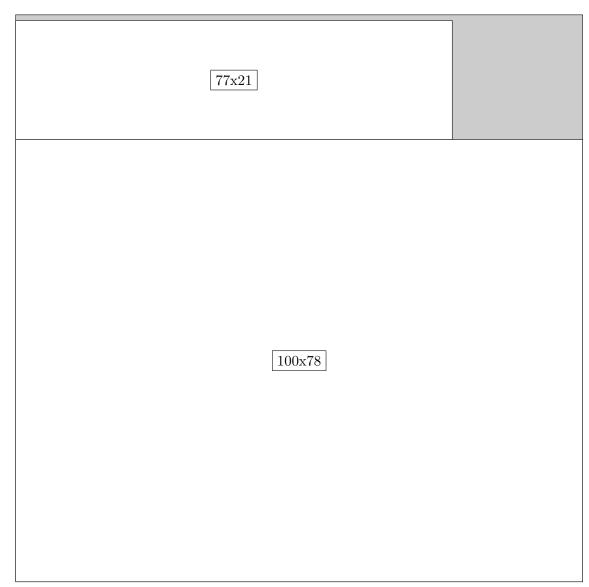
GenNodeCnt: $\underline{\mathbf{1}}$ PrimalNode: $\underline{\mathbf{0}}$ ColumnCount: $\underline{\mathbf{25}}$ TotalCutCount: $\underline{\mathbf{0}}$ RootCutCount: $\underline{\mathbf{0}}$ LPSolverCnt: $\underline{\mathbf{1}}$ PricingSolverCnt: $\underline{\mathbf{0}}$ BranchAndBoundNum: $\underline{\mathbf{1}}$

isOpt: **true**

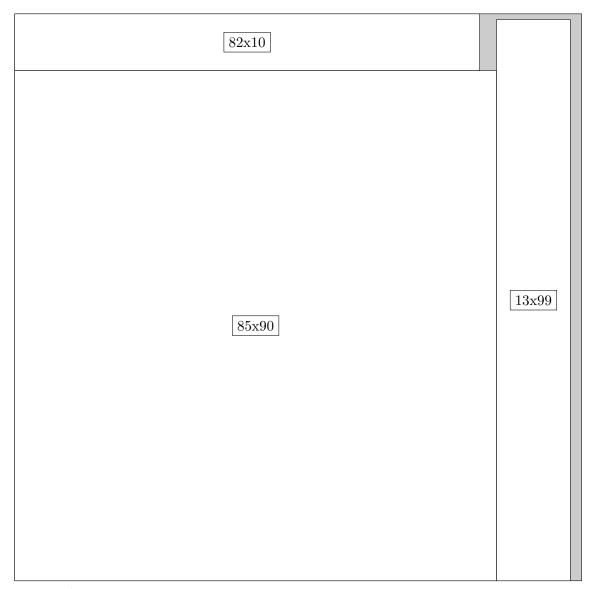
 $\begin{array}{ll} {\rm TimeOnInitSolution:} \ \underline{\bf 9.310 \ s} \\ {\rm TimeOnPrimal:} \ \underline{\bf 0.000 \ s} \\ {\rm TimeOnPricing:} \ \underline{\bf 0.000 \ s} \\ {\rm TimeOnRmp:} \ \underline{\bf 0.078 \ s} \\ {\rm TotalTime:} \ \underline{\bf 9.451 \ s} \end{array}$



 $\begin{array}{l} w = \! 89 \ , \, h = \! 94 \ , \, x = \! 0 \ , \, y = \! 0 \ , \, v = \! 8366 \\ w = \! 7 \ , \, h = \! 99 \ , \, x = \! 89 \ , \, y = \! 0 \ , \, v = \! 693 \\ w = \! 3 \ , \, h = \! 43 \ , \, x = \! 96 \ , \, y = \! 0 \ , \, v = \! 129 \end{array}$

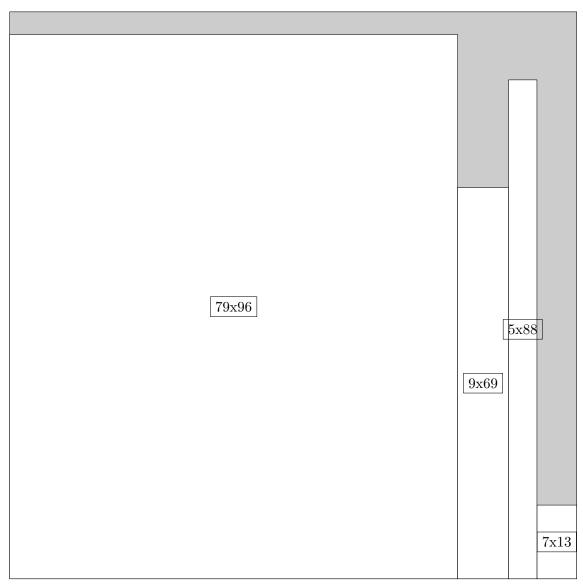


$$\begin{array}{l} w = \! 100 \ , \ h = \! 78 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 7800 \\ w = \! 77 \ , \ h = \! 21 \ , \ x = \! 0 \ , \ y = \! 78 \ , \ v = \! 1617 \end{array}$$



$$\begin{array}{l} w = \!\!85 \ , \ h = \!\!90 \ , \ x = \!\!0 \ , \ y = \!\!0 \ , \ v = \!\!7650 \\ w = \!\!82 \ , \ h = \!\!10 \ , \ x = \!\!0 \ , \ y = \!\!90 \ , \ v = \!\!820 \\ \end{array}$$

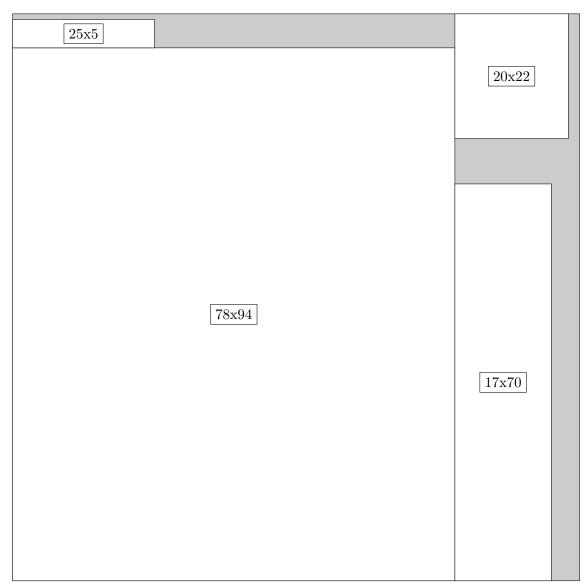
$$w = 13$$
 , $h = 99$, $x = 85$, $y = 0$, $v = 1287$



 $\begin{array}{l} w = 79 \ , \ h = 96 \ , \ x = 0 \ , \ y = 0 \ , \ v = 7584 \\ w = 7 \ , \ h = 13 \ , \ x = 93 \ , \ y = 0 \ , \ v = 91 \end{array}$

w = 9, h = 69, x = 79, y = 0, v = 621

w = 9, h = 69, x = 79, y = 0, v = 621 w = 5, h = 88, x = 88, y = 0, v = 440

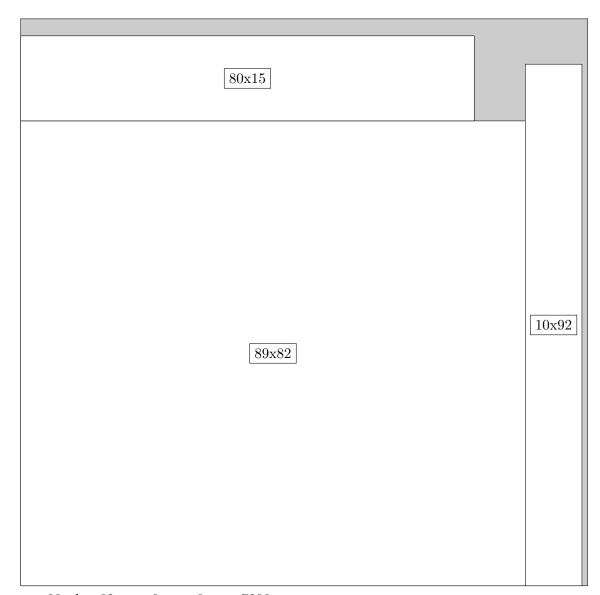


$$\mathbf{w}$$
 =78 , h =94 , x =0 , y =0 , v =7332

$$\le =17$$
 , $h=70$, $x=78$, $y=0$, $v=1190$

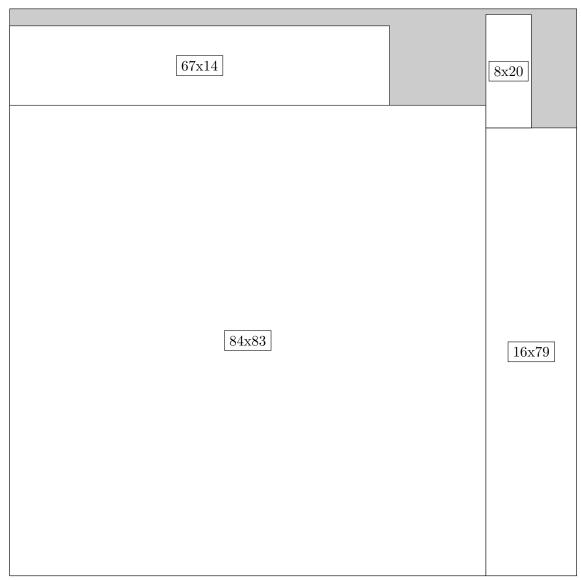
$$\le =20$$
 , h =22 , x =78 , y =78 , v =440

$$\mathbf{w}$$
 =25 , h =5 , x =0 , y =94 , v =125



$$\begin{array}{l} w = \! 89 \ , \ h = \! 82 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 7298 \\ w = \! 80 \ , \ h = \! 15 \ , \ x = \! 0 \ , \ y = \! 82 \ , \ v = \! 1200 \end{array}$$

$$w = 30$$
, $h = 13$, $x = 0$, $y = 62$, $v = 1200$
 $w = 10$, $h = 92$, $x = 89$, $y = 0$, $v = 920$

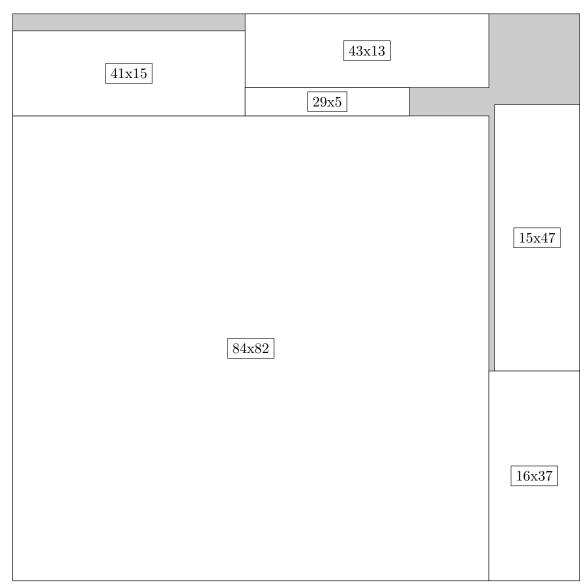


$$\le =84$$
 , $h=83$, $x=0$, $y=0$, $v=6972$

$$\le =16$$
 , h =79 , x =84 , y =0 , v =1264

$$\le =67$$
 , h =14 , x =0 , y =83 , v =938

$$w$$
 =8 , h =20 , x =84 , y =79 , v =160



$$\le =84$$
 , $h=82$, $x=0$, $y=0$, $v=6888$

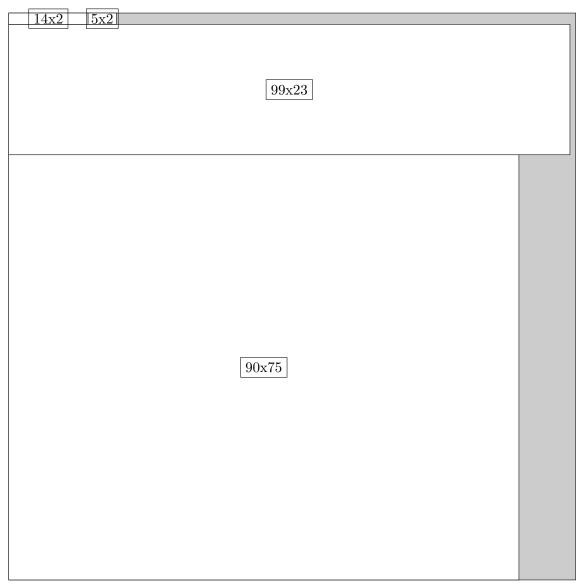
$$\le =43$$
 , h =13 , x =41 , y =87 , v =559

$$\le =41$$
 , $h=15$, $x=0$, $y=82$, $v=615$

$$\le =15$$
 , h =47 , x =85 , y =37 , v =705

$$\le =16$$
 , h =37 , x =84 , y =0 , v =592

$$w$$
 =29 , h =5 , x =41 , y =82 , v =145



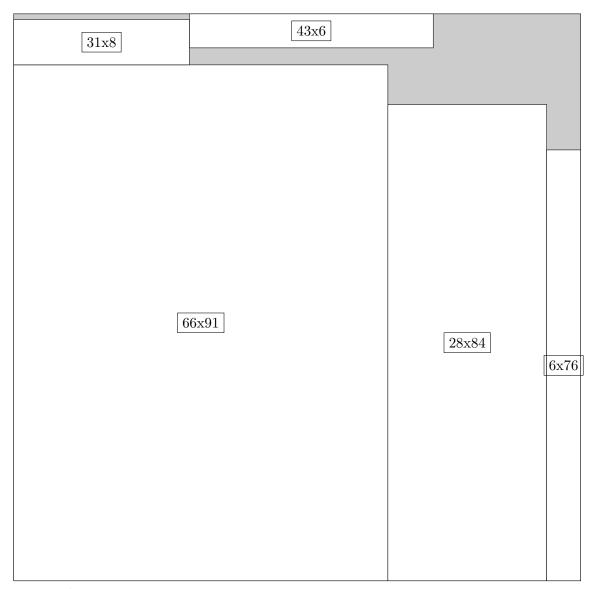
$$\begin{array}{l} w = & 90 \ , \ h = & 75 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 6750 \\ w = & 99 \ , \ h = & 23 \ , \ x = & 0 \ , \ y = & 75 \ , \ v = & 2277 \\ w = & 14 \ , \ h = & 2 \ , \ x = & 0 \ , \ y = & 98 \ , \ v = & 28 \\ w = & 5 \ , \ h = & 2 \ , \ x = & 14 \ , \ y = & 98 \ , \ v = & 10 \end{array}$$

2x10 73x24	25x34
	00x66

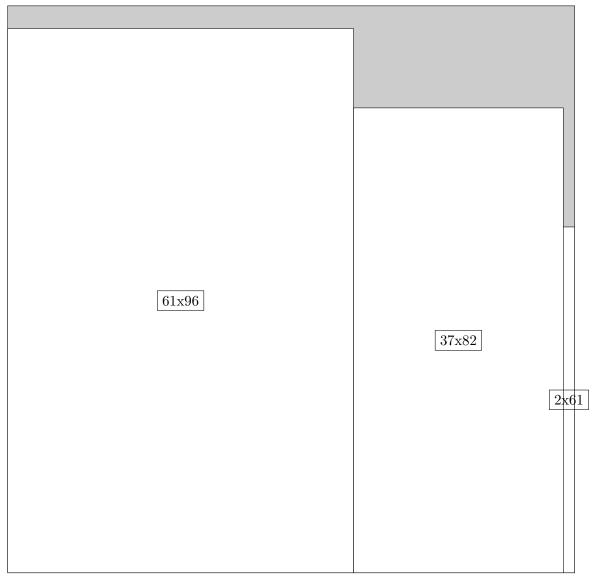
$$\begin{array}{l} w = \! 100 \ , \ h = \! 66 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 6600 \\ w = \! 73 \ , \ h = \! 24 \ , \ x = \! 0 \ , \ y = \! 66 \ , \ v = \! 1752 \\ w = \! 25 \ , \ h = \! 34 \ , \ x = \! 73 \ , \ y = \! 66 \ , \ v = \! 850 \\ w = \! 2 \ , \ h = \! 10 \ , \ x = \! 0 \ , \ y = \! 90 \ , \ v = \! 20 \end{array}$$

57x35		41x35
	100x62	

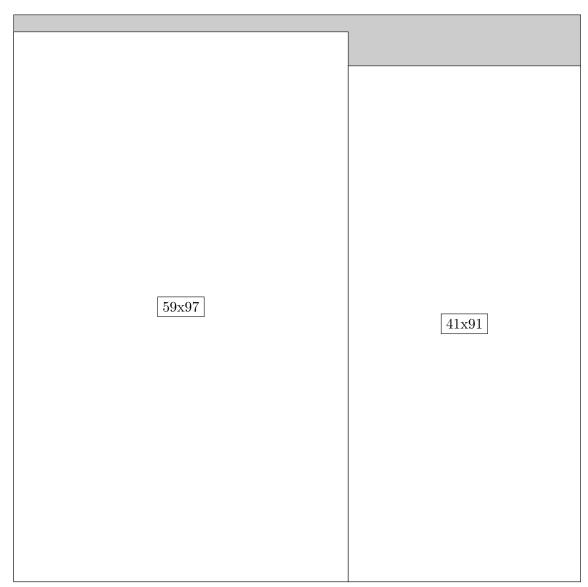
$$\begin{array}{l} w = \! 100 \ , \ h = \! 62 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 6200 \\ w = \! 57 \ , \ h = \! 35 \ , \ x = \! 0 \ , \ y = \! 62 \ , \ v = \! 1995 \\ w = \! 41 \ , \ h = \! 35 \ , \ x = \! 57 \ , \ y = \! 62 \ , \ v = \! 1435 \end{array}$$



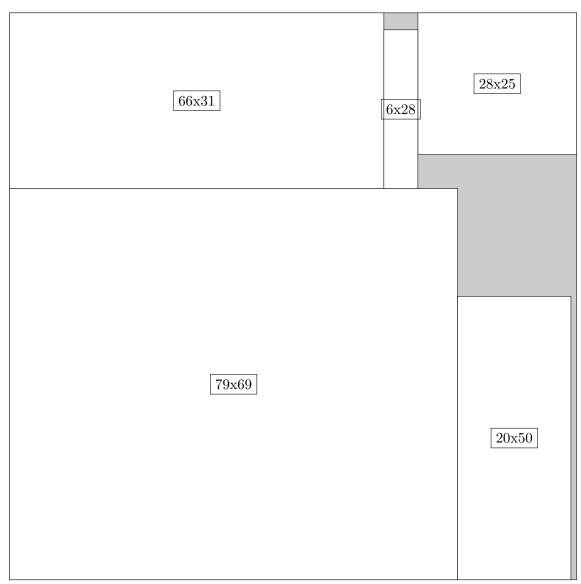
 $\begin{array}{l} w=66 \ , \ h=91 \ , \ x=0 \ , \ y=0 \ , \ v=6006 \\ w=28 \ , \ h=84 \ , \ x=66 \ , \ y=0 \ , \ v=2352 \\ w=6 \ , \ h=76 \ , \ x=94 \ , \ y=0 \ , \ v=456 \\ w=43 \ , \ h=6 \ , \ x=31 \ , \ y=94 \ , \ v=258 \\ w=31 \ , \ h=8 \ , \ x=0 \ , \ y=91 \ , \ v=248 \end{array}$



 $\begin{array}{l} w = \!\!61 \;,\; h = \!\!96 \;,\; x = \!\!0 \;,\; y = \!\!0 \;,\; v = \!\!5856 \\ w = \!\!37 \;,\; h = \!\!82 \;,\; x = \!\!61 \;,\; y = \!\!0 \;,\; v = \!\!3034 \\ w = \!\!2 \;,\; h = \!\!61 \;,\; x = \!\!98 \;,\; y = \!\!0 \;,\; v = \!\!122 \end{array}$



 $\begin{array}{c} w = 59 \; , \; h = 97 \; , \; x = 0 \; , \; y = 0 \; , \; v = 5723 \\ w = 41 \; , \; h = 91 \; , \; x = 59 \; , \; y = 0 \; , \; v = 3731 \\ \end{array}$



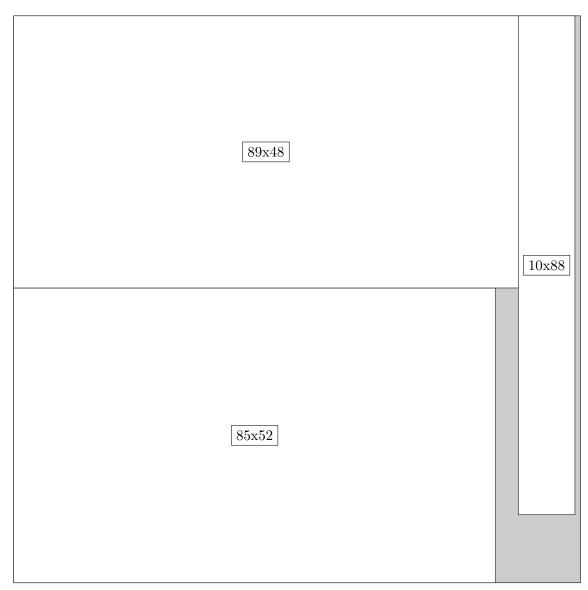
$$\mathbf{w}$$
 =79 , \mathbf{h} =69 , \mathbf{x} =0 , \mathbf{y} =0 , \mathbf{v} =5451

$$\le =66$$
 , h =31 , x =0 , y =69 , v =2046

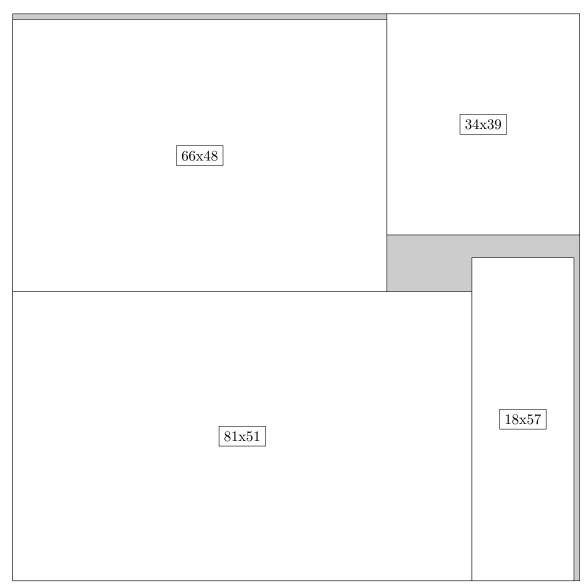
$$\le =20$$
 , $h=\!50$, $x=\!79$, $y=\!0$, $v=\!1000$

$$\le =28$$
 , h =25 , x =72 , y =75 , v =700

$$w = 6$$
, $h = 28$, $x = 66$, $y = 69$, $v = 168$



$$\begin{array}{l} w = \! 85 \ , \ h = \! 52 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 4420 \\ w = \! 89 \ , \ h = \! 48 \ , \ x = \! 0 \ , \ y = \! 52 \ , \ v = \! 4272 \\ w = \! 10 \ , \ h = \! 88 \ , \ x = \! 89 \ , \ y = \! 12 \ , \ v = \! 880 \end{array}$$

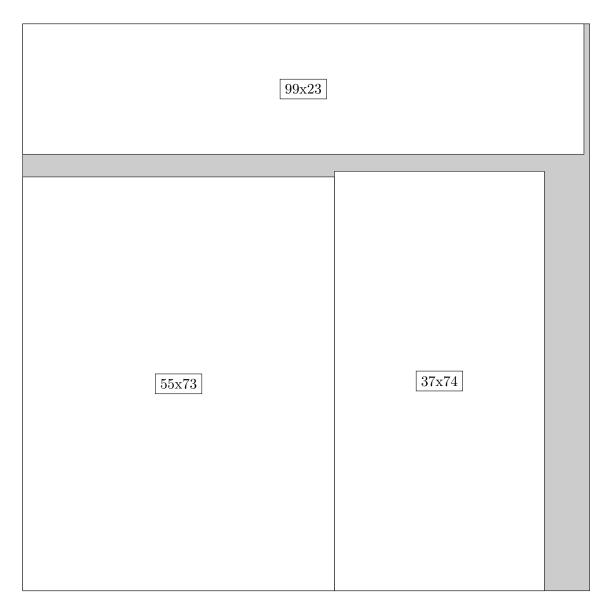


$$\le =81$$
 , h =51 , x =0 , y =0 , v =4131

$$\le =66$$
 , h =48 , x =0 , y =51 , v =3168

$$\le =34$$
 , h =39 , x =66 , y =61 , v =1326

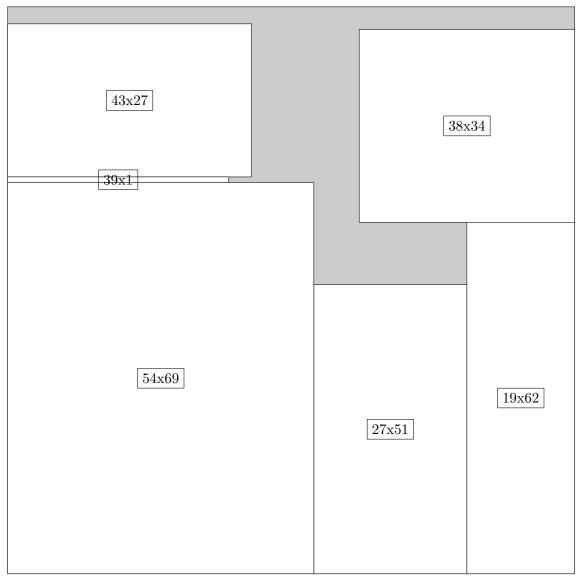
$$\le =18$$
 , h =57 , x =81 , y =0 , v =1026



$$\mathbf{w}$$
 =55 , h =73 , x =0 , y =0 , v =4015

$$\le =37$$
 , h =74 , x =55 , y =0 , v =2738

$$\le =99$$
 , h =23 , x =0 , y =77 , v =2277



$$w = 27$$
, $h = 51$, $x = 54$, $y = 0$, $v = 1377$

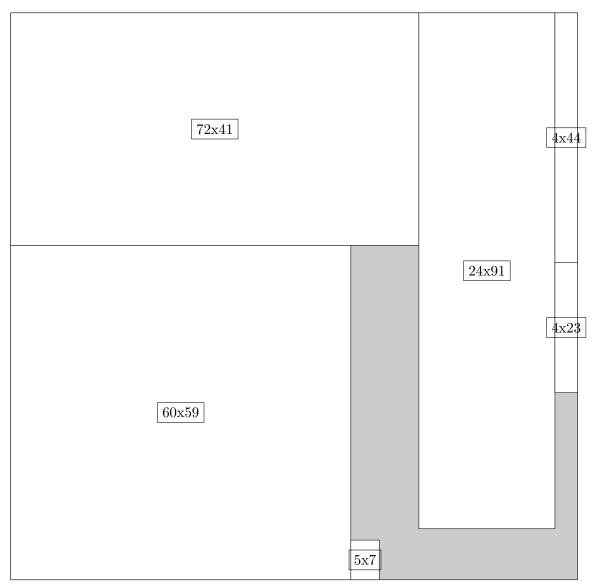
$$\le 38$$
 , h =34 , x =62 , y =62 , v =1292

$$\mathbf{w}$$
 =19 , h =62 , x =81 , y =0 , v =1178

$$\mathbf{w}$$
 =43 , h =27 , x =0 , y =70 , v =1161

$$\le 54$$
 , h =69 , x =0 , y =0 , v =3726

$$\mathbf{w}=\!39$$
 , $\mathbf{h}=\!1$, $\mathbf{x}=\!0$, $\mathbf{y}=\!69$, $\mathbf{v}=\!39$



$$\begin{array}{l} w=60 \ , \ h=59 \ , \ x=0 \ , \ y=0 \ , \ v=3540 \\ w=72 \ , \ h=41 \ , \ x=0 \ , \ y=59 \ , \ v=2952 \\ w=24 \ , \ h=91 \ , \ x=72 \ , \ y=9 \ , \ v=2184 \\ w=4 \ , \ h=44 \ , \ x=96 \ , \ y=56 \ , \ v=176 \\ w=4 \ , \ h=23 \ , \ x=96 \ , \ y=33 \ , \ v=92 \\ w=5 \ , \ h=7 \ , \ x=60 \ , \ y=0 \ , \ v=35 \end{array}$$



$$\mathbf{w}$$
 =56 , h =59 , x =0 , y =0 , v =3304

$$\le =37$$
 , h =50 , x =56 , y =0 , v =1850

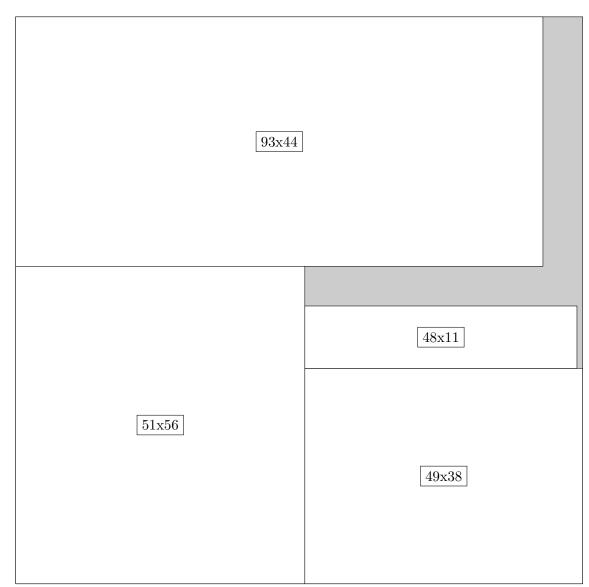
$$\le =38$$
 , h =40 , x =0 , y =59 , v =1520

$$\le =26$$
 , $h=\!50$, $x=\!66$, $y=\!50$, $v=\!1300$

$$\le =15$$
 , h =38 , x =38 , y =59 , v =570

$$\mathbf{w}$$
 =6 , h =90 , x =93 , y =0 , v =540

$$w = 13$$
, $h = 33$, $x = 53$, $y = 59$, $v = 429$

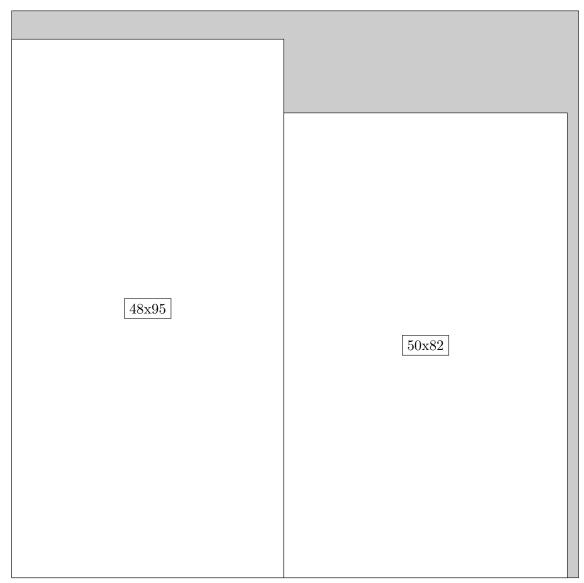


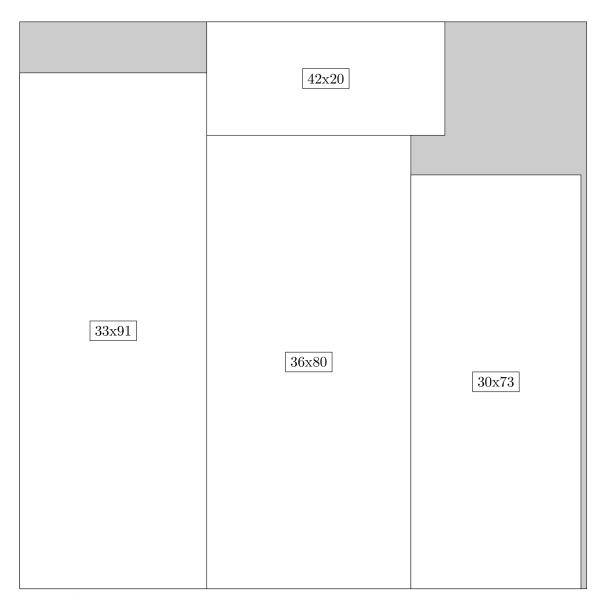
$$\le =93$$
 , h =44 , x =0 , y =
56 , v =4092

$$\le =51$$
 , $h=56$, $x=0$, $y=0$, $v=2856$

$$\le =49$$
 , h =38 , x =51 , y =0 , v =1862

$$\mathbf{w}$$
 =48 , h =11 , x =51 , y =38 , v =528



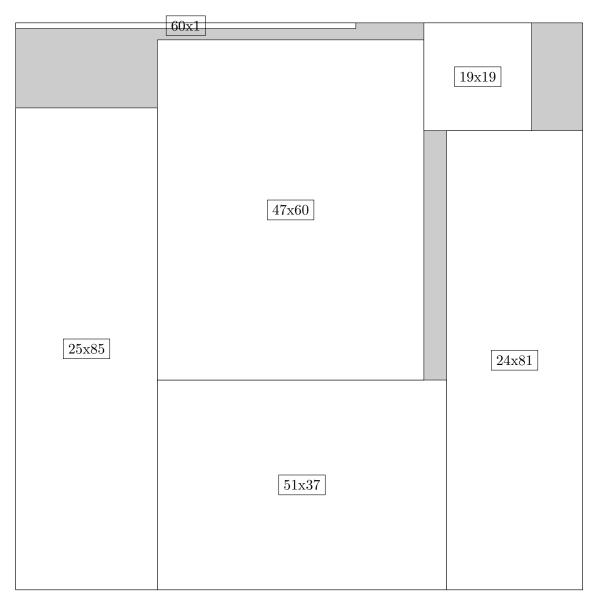


$$\le =33$$
 , $\le =91$, $\ge =0$, $\ge =0$, $\ge =3003$

$$\le =36$$
 , $h=\!80$, $x=\!33$, $y=\!0$, $v=\!2880$

$$\le =30$$
 , h =73 , x =69 , y =0 , v =2190

$$\le =42$$
 , h =20 , x =33 , y =80 , v =840



$$w$$
 =24 , h =81 , x =76 , y =0 , v =1944

$$\le =51$$
 , h =37 , x =25 , y =0 , v =1887

$$\le =47$$
 , h =60 , x =25 , y =37 , v =2820

$$w$$
 =19 , h =19 , x =72 , y =81 , v =361

$$\mathbf{w}$$
 =60 , h =1 , x =0 , y =99 , v =60