$ClassName: \ Class_08.2bp-49$

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

TypeNum: <u>97</u> Num: <u>100</u> OutS: <u>320000</u> InS: <u>273613</u> Rate: <u>0.855</u> UB: <u>32</u> LB0: <u>32</u>

LBWithCut: $\underline{32}$ NodeCut: $\underline{0}$

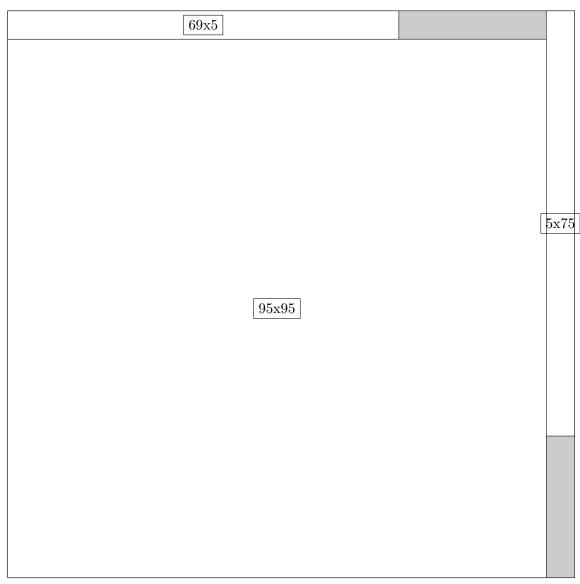
LB: **32**

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

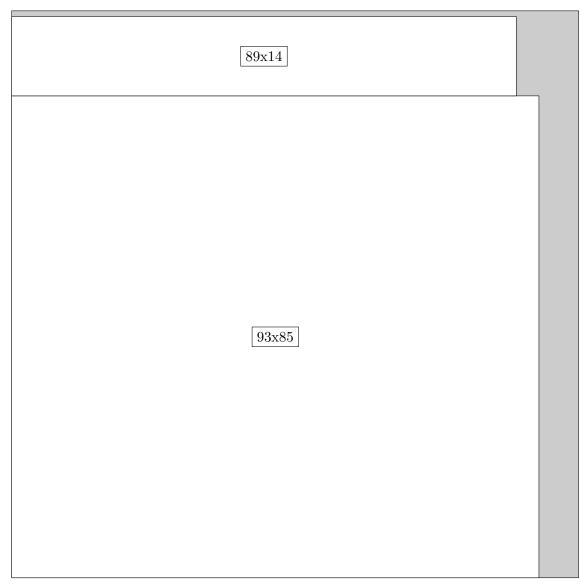
GenNodeCnt: $\underline{\mathbf{1}}$ PrimalNode: $\underline{\mathbf{0}}$ ColumnCount: $\underline{\mathbf{32}}$ TotalCutCount: $\underline{\mathbf{0}}$ RootCutCount: $\underline{\mathbf{0}}$ LPSolverCnt: $\underline{\mathbf{1}}$ PricingSolverCnt: $\underline{\mathbf{0}}$ BranchAndBoundNum: $\underline{\mathbf{1}}$

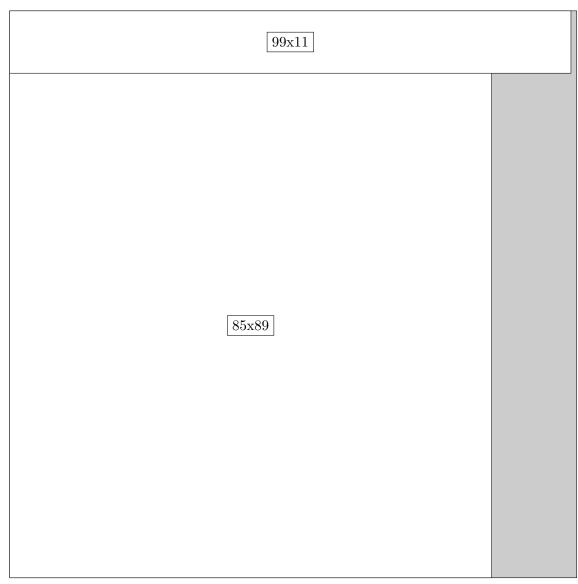
isOpt: $\underline{\mathbf{true}}$

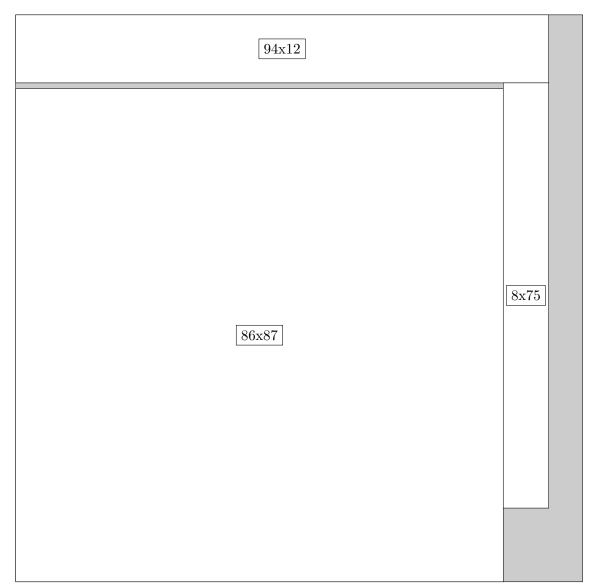
 $\begin{array}{ll} {\rm TimeOnInitSolution:} \ \underline{\bf 2.170 \ s} \\ {\rm TimeOnPrimal:} \ \underline{\bf 0.000 \ s} \\ {\rm TimeOnPricing:} \ \underline{\bf 0.000 \ s} \\ {\rm TimeOnRmp:} \ \underline{\bf 0.079 \ s} \\ {\rm TotalTime:} \ \mathbf{2.311 \ s} \end{array}$



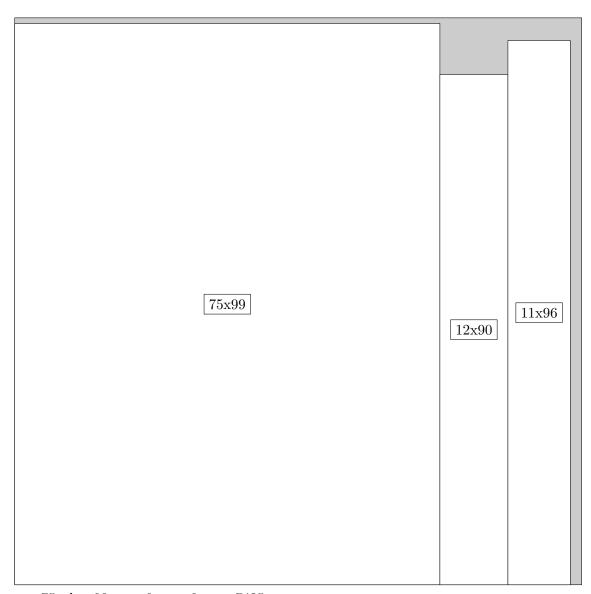
$$\begin{array}{l} w = \! 95 \;,\; h = \! 95 \;,\; x = \! 0 \;,\; y = \! 0 \;,\; v = \! 9025 \\ w = \! 5 \;,\; h = \! 75 \;,\; x = \! 95 \;,\; y = \! 25 \;,\; v = \! 375 \\ w = \! 69 \;,\; h = \! 5 \;,\; x = \! 0 \;,\; y = \! 95 \;,\; v = \! 345 \end{array}$$







$$\begin{array}{l} w = \!\!86 \ , \ h = \!\!87 \ , \ x = \!\!0 \ , \ y = \!\!0 \ , \ v = \!\!7482 \\ w = \!\!94 \ , \ h = \!\!12 \ , \ x = \!\!0 \ , \ y = \!\!88 \ , \ v = \!\!1128 \\ w = \!\!8 \ , \ h = \!\!75 \ , \ x = \!\!86 \ , \ y = \!\!13 \ , \ v = \!\!600 \end{array}$$

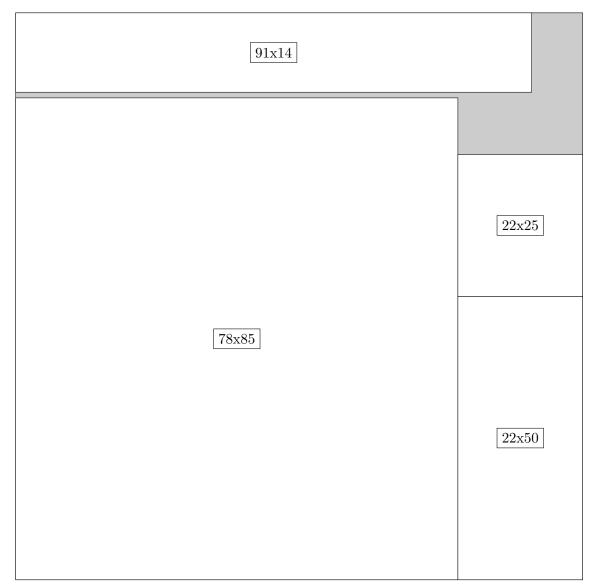


$$\begin{array}{l} w = \! 75 \ , \ h = \! 99 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 7425 \\ w = \! 12 \ , \ h = \! 90 \ , \ x = \! 75 \ , \ y = \! 0 \ , \ v = \! 1080 \end{array}$$

$$w=\!11$$
 , $h=\!96$, $x=\!87$, $y=\!0$, $v=\!1056$

97x7	
97x7 73x91	27x83

$$\begin{array}{l} w = 73 \ , \ h = 91 \ , \ x = 0 \ , \ y = 0 \ , \ v = 6643 \\ w = 27 \ , \ h = 83 \ , \ x = 73 \ , \ y = 0 \ , \ v = 2241 \\ w = 97 \ , \ h = 7 \ , \ x = 0 \ , \ y = 91 \ , \ v = 679 \end{array}$$

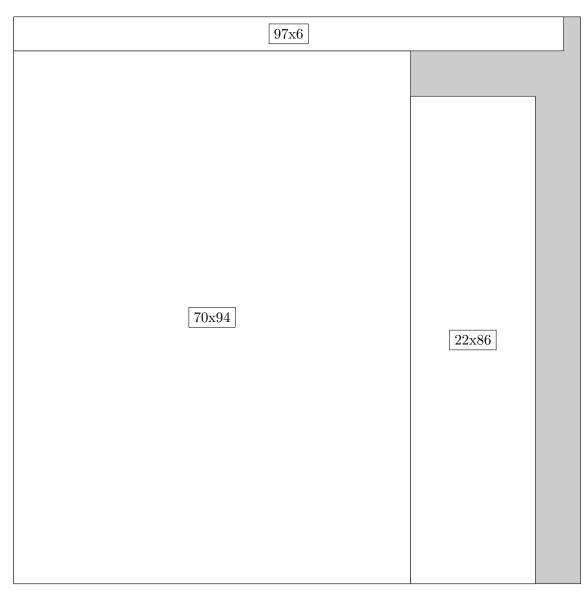


$$\le =78$$
 , h =85 , x =0 , y =0 , v =6630

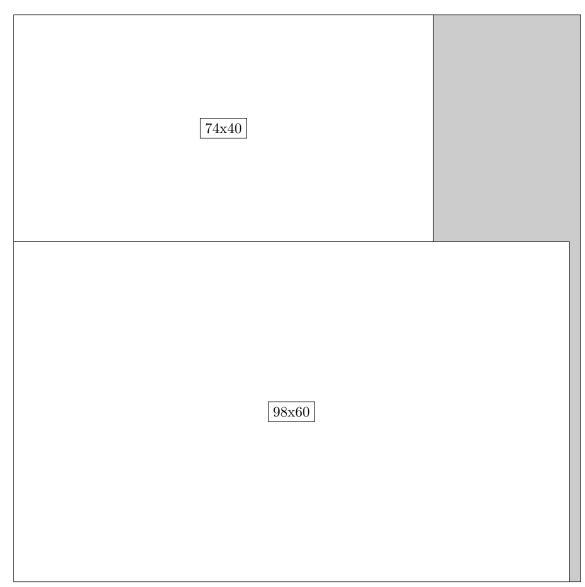
$$\le =91$$
 , $h=14$, $x=0$, $y=86$, $v=1274$

$$\le =22$$
 , h =50 , x =78 , y =0 , v =1100

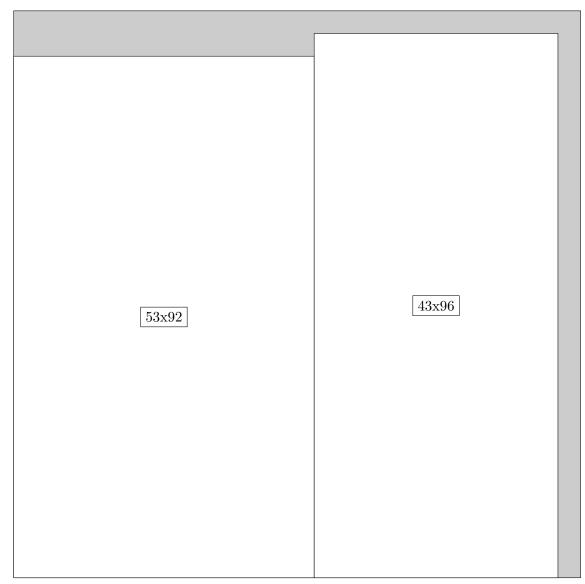
$$\le =22$$
 , h =25 , x =78 , y =50 , v =550

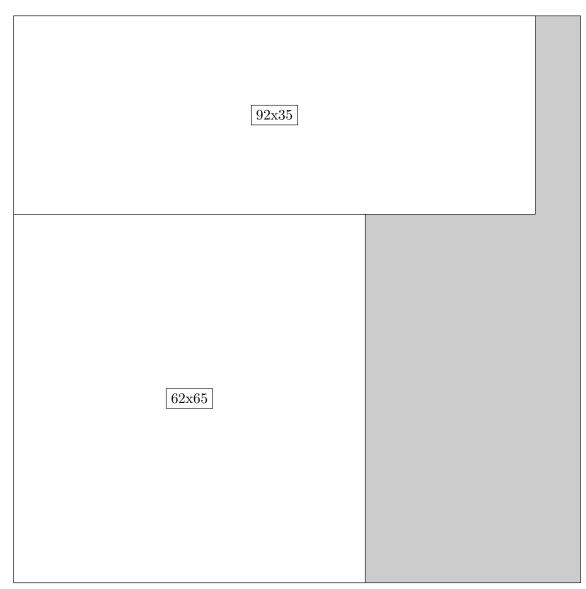


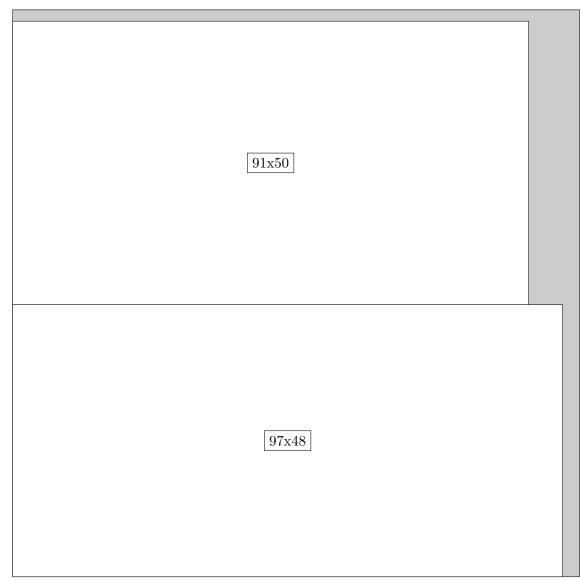
$$\begin{array}{l} w = & 70 \ , \ h = & 94 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 6580 \\ w = & 22 \ , \ h = & 86 \ , \ x = & 70 \ , \ y = & 0 \ , \ v = & 1892 \\ w = & 97 \ , \ h = & 6 \ , \ x = & 0 \ , \ y = & 94 \ , \ v = & 582 \end{array}$$



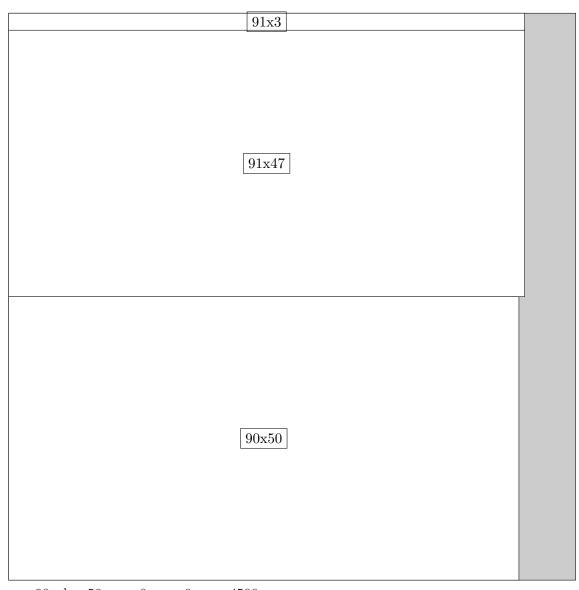
$$\begin{array}{c} w = 98 \; , \; h = 60 \; , \; x = 0 \; , \; y = 0 \; , \; v = 5880 \\ w = 74 \; , \; h = 40 \; , \; x = 0 \; , \; y = 60 \; , \; v = 2960 \end{array}$$



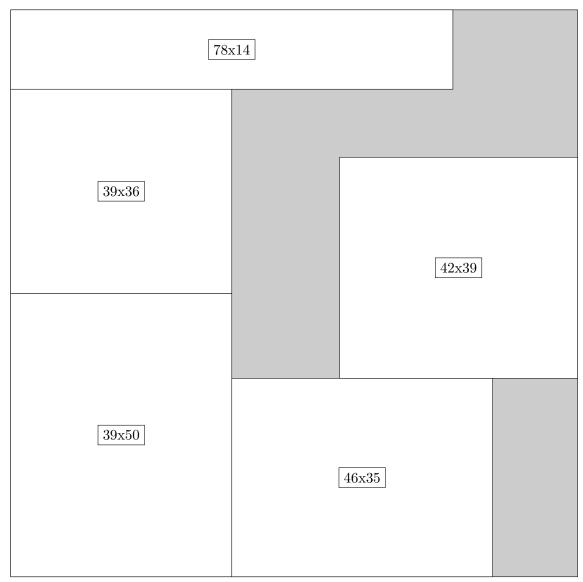




$$\begin{array}{c} w = 97 \; , \; h = \!\! 48 \; , \; x = \!\! 0 \; , \; y = \!\! 0 \; , \; v = \!\! 4656 \\ w = \!\! 91 \; , \; h = \!\! 50 \; , \; x = \!\! 0 \; , \; y = \!\! 48 \; , \; v = \!\! 4550 \\ \end{array}$$



 $\begin{array}{l} w = & 90 \ , \ h = & 50 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 4500 \\ w = & 91 \ , \ h = & 47 \ , \ x = & 0 \ , \ y = & 50 \ , \ v = & 4277 \\ w = & 91 \ , \ h = & 3 \ , \ x = & 0 \ , \ y = & 97 \ , \ v = & 273 \end{array}$



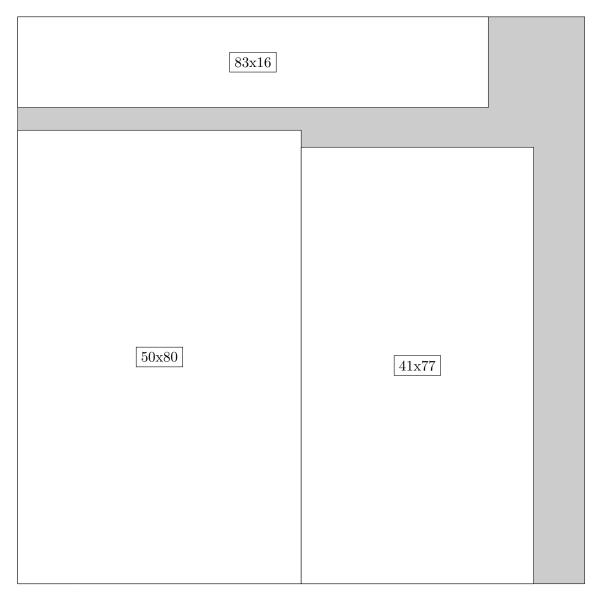
$$w=\!39$$
 , $h=\!50$, $x=\!0$, $y=\!0$, $v=\!1950$

$$\le =42$$
 , h =39 , x =58 , y =35 , v =1638

$$\le =46$$
 , h =35 , x =39 , y =0 , v =1610

$$\le =39$$
 , h =36 , x =0 , y =50 , v =1404

$$w = 78$$
, $h = 14$, $x = 0$, $y = 86$, $v = 1092$



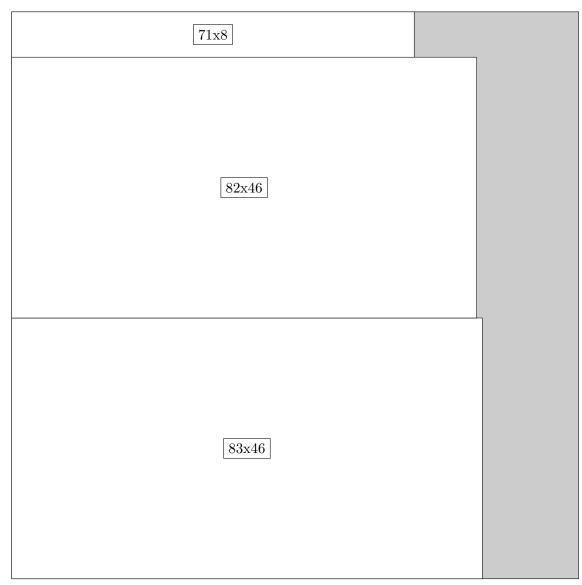
$$\begin{array}{l} w = \! 50 \ , \ h = \! 80 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 4000 \\ w = \! 41 \ , \ h = \! 77 \ , \ x = \! 50 \ , \ y = \! 0 \ , \ v = \! 3157 \end{array}$$

$$w = 83$$
, $h = 16$, $x = 0$, $y = 84$, $v = 1328$

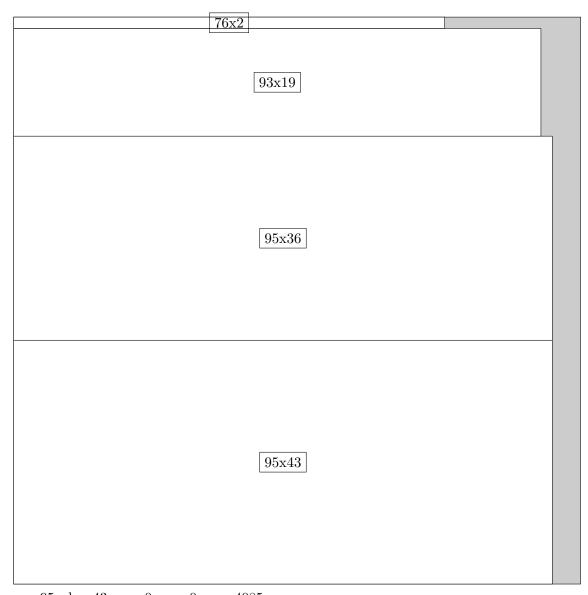


$$\begin{array}{l} w = \! 95 \ , \ h = \! 43 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 4085 \\ w = \! 90 \ , \ h = \! 45 \ , \ x = \! 0 \ , \ y = \! 43 \ , \ v = \! 4050 \end{array}$$

$$\le =96$$
 , h =12 , x =0 , y =88 , v =1152



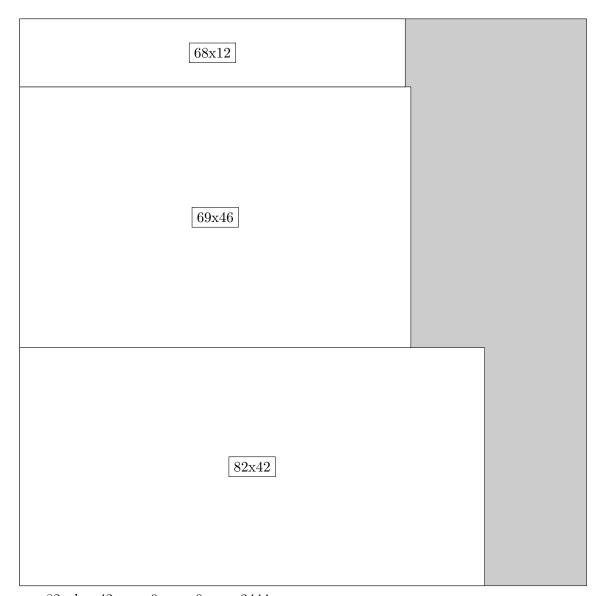
$$\begin{array}{l} w = \! 83 \ , \ h = \! 46 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 3818 \\ w = \! 82 \ , \ h = \! 46 \ , \ x = \! 0 \ , \ y = \! 46 \ , \ v = \! 3772 \\ w = \! 71 \ , \ h = \! 8 \ , \ x = \! 0 \ , \ y = \! 92 \ , \ v = \! 568 \end{array}$$



$$\begin{array}{c} w = \! 95 \ , \ h = \! 43 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 4085 \\ w = \! 95 \ , \ h = \! 36 \ , \ x = \! 0 \ , \ y = \! 43 \ , \ v = \! 3420 \\ \end{array}$$

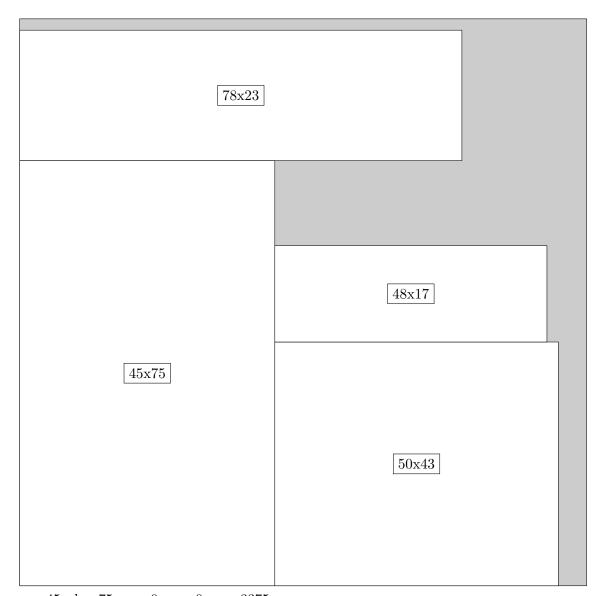
$$\le =93$$
 , h =19 , x =0 , y =79 , v =1767

$$\mathbf{w}$$
 =76 , h =2 , x =0 , y =98 , v =152



$$\begin{array}{l} w = \!\!82 \ , \ h = \!\!42 \ , \ x = \!\!0 \ , \ y = \!\!0 \ , \ v = \!\!3444 \\ w = \!\!69 \ , \ h = \!\!46 \ , \ x = \!\!0 \ , \ y = \!\!42 \ , \ v = \!\!3174 \end{array}$$

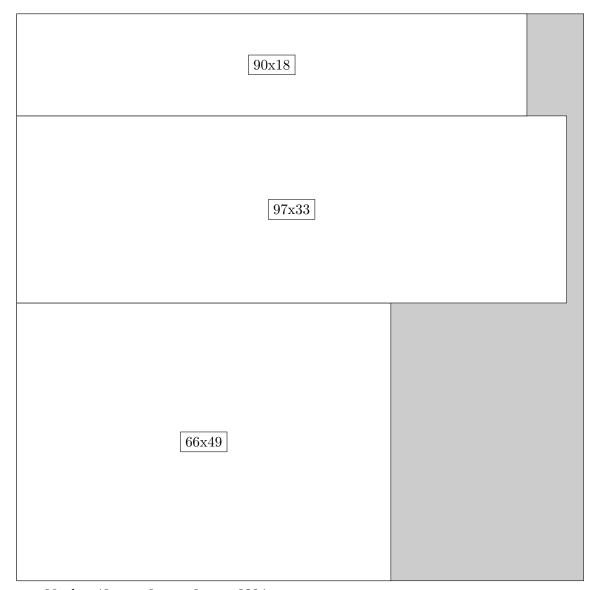
$$\mathbf{w}$$
 =68 , h =12 , x =0 , y =88 , v =816



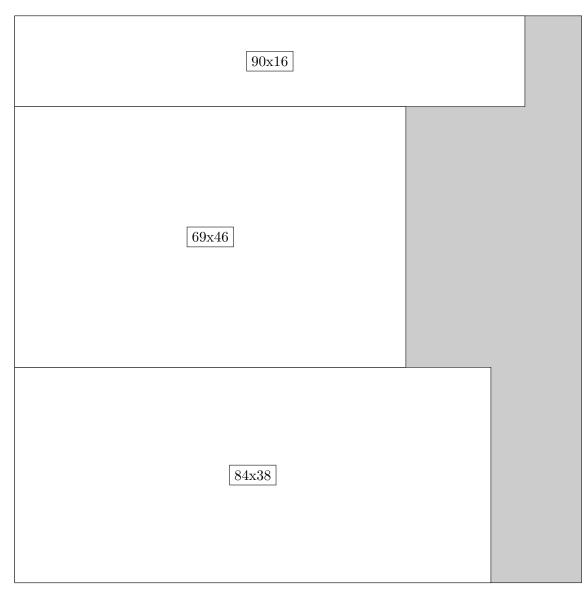
$$\begin{array}{l} w = \!\! 45 \ , \ h = \!\! 75 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 3375 \\ w = \!\! 50 \ , \ h = \!\! 43 \ , \ x = \!\! 45 \ , \ y = \!\! 0 \ , \ v = \!\! 2150 \end{array}$$

$$w = 78$$
, $h = 23$, $x = 0$, $y = 75$, $v = 1794$

$$w = 48$$
, $h = 17$, $x = 45$, $y = 43$, $v = 816$



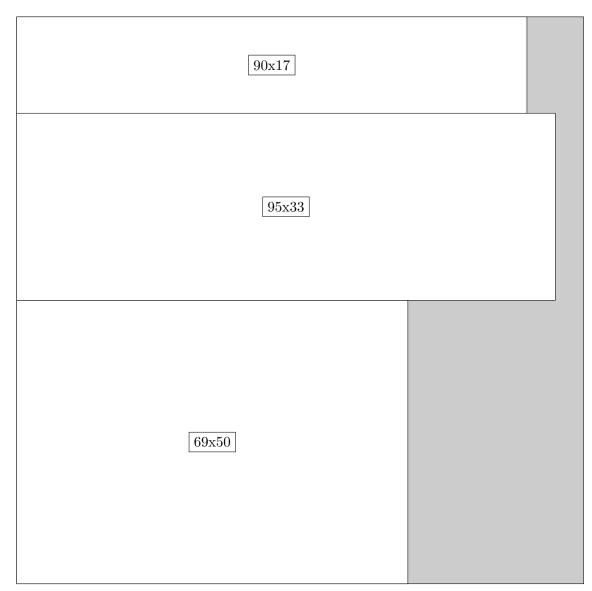
$$\begin{array}{l} w = \!\!66 \ , \ h = \!\!49 \ , \ x = \!\!0 \ , \ y = \!\!0 \ , \ v = \!\!3234 \\ w = \!\!97 \ , \ h = \!\!33 \ , \ x = \!\!0 \ , \ y = \!\!49 \ , \ v = \!\!3201 \\ w = \!\!90 \ , \ h = \!\!18 \ , \ x = \!\!0 \ , \ y = \!\!82 \ , \ v = \!\!1620 \end{array}$$



$$w = 84$$
, $h = 38$, $x = 0$, $y = 0$, $v = 3192$

$$\le =69$$
 , h =46 , x =0 , y =38 , v =3174

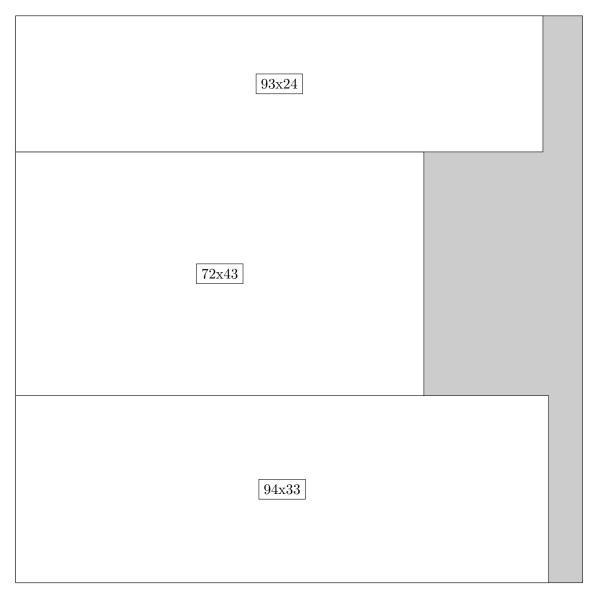
$$\le =90$$
 , h =16 , x =0 , y =84 , v =1440



$$\mathbf{w}$$
 =69 , h =50 , x =0 , y =0 , v =3450

$$\le =95$$
 , h =33 , x =0 , y =50 , v =3135

$$\le =90$$
 , h =17 , x =0 , y =83 , v =1530



$$w = 94$$
, $h = 33$, $x = 0$, $y = 0$, $v = 3102$

$$\le =72$$
 , h =43 , x =0 , y =33 , v =3096

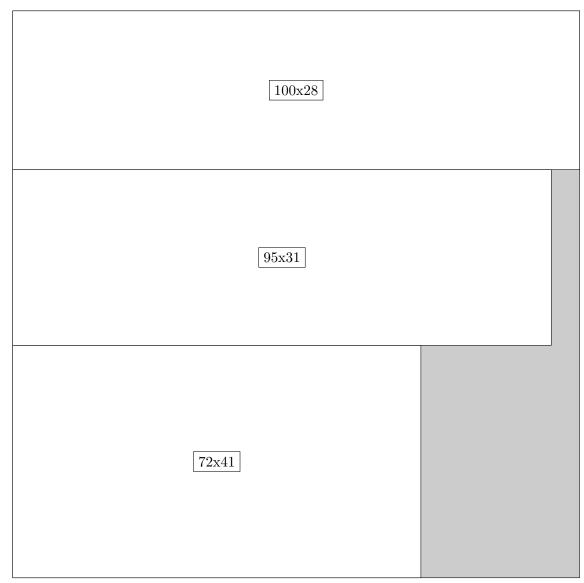
$$\le =93$$
 , h =24 , x =0 , y =76 , v =2232



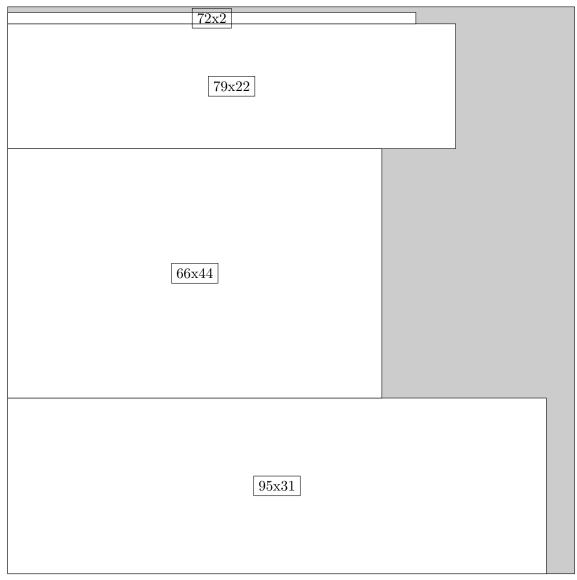
$$\le =98$$
 , h =38 , x =0 , y =0 , v =3724

$$\le =77$$
 , h =39 , x =0 , y =38 , v =3003

$$\le =68$$
 , h =22 , x =0 , y =77 , v =1496



$$\begin{array}{l} w = & 72 \; , \; h = & 41 \; , \; x = 0 \; , \; y = & 0 \; , \; v = & 2952 \\ w = & 95 \; , \; h = & 31 \; , \; x = & 0 \; , \; y = & 41 \; , \; v = & 2945 \\ w = & 100 \; , \; h = & 28 \; , \; x = & 0 \; , \; y = & 72 \; , \; v = & 2800 \end{array}$$

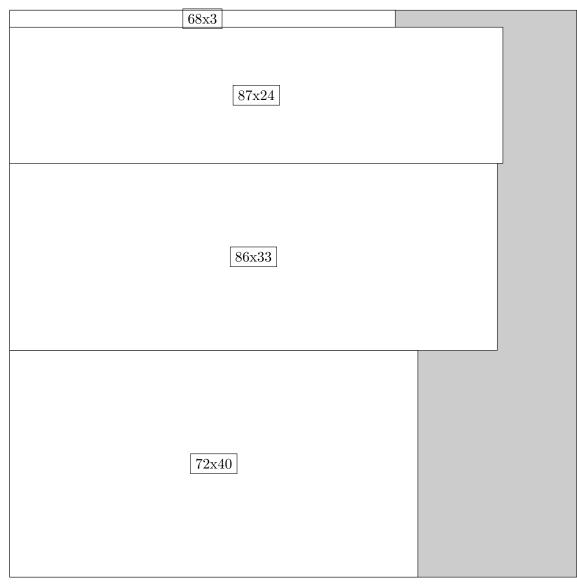


$$\le =95$$
 , h =31 , x =0 , y =0 , v =2945

$$\le =66$$
 , h =44 , x =0 , y =31 , v =2904

$$\le =79$$
 , h =22 , x =0 , y =75 , v =1738

$$\le =72$$
 , h =2 , x =0 , y =97 , v =144

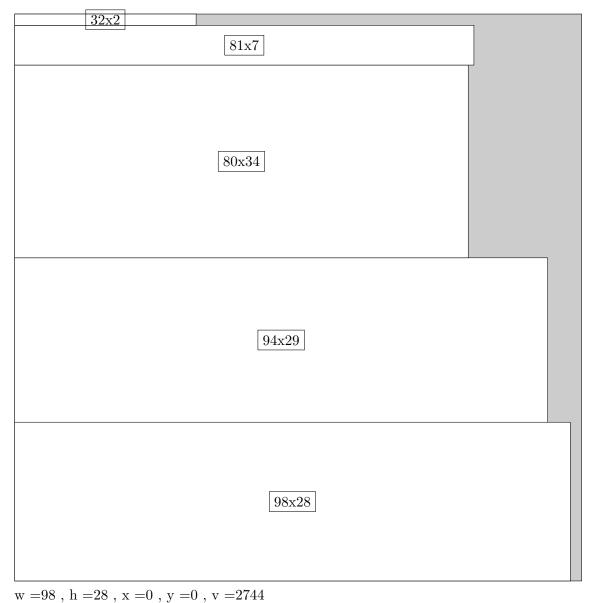


$$\le =72$$
 , h =40 , x =0 , y =0 , v =2880

$$\le =86$$
 , h =33 , x =0 , y =40 , v =2838

$$\le =87$$
 , $h=24$, $x=0$, $y=73$, $v=2088$

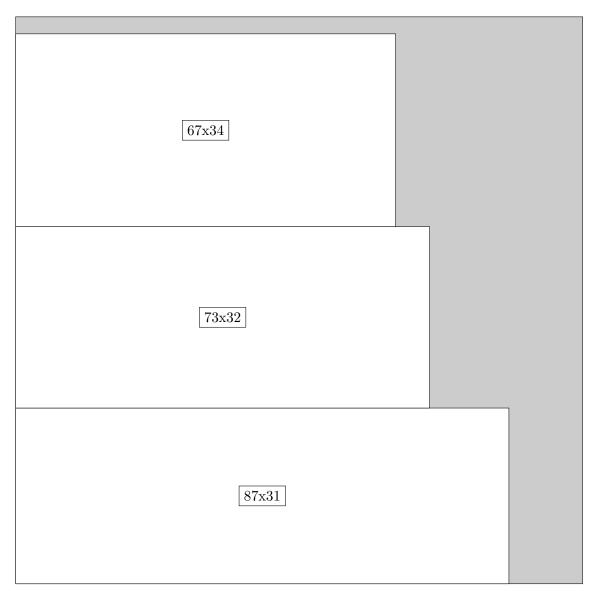
$$\le =68$$
 , h =3 , x =0 , y =97 , v =204



$$\le =80$$
 , h =34 , x =0 , y =57 , v =2720

$$\le =81$$
 , h =7 , x =0 , y =91 , v =567

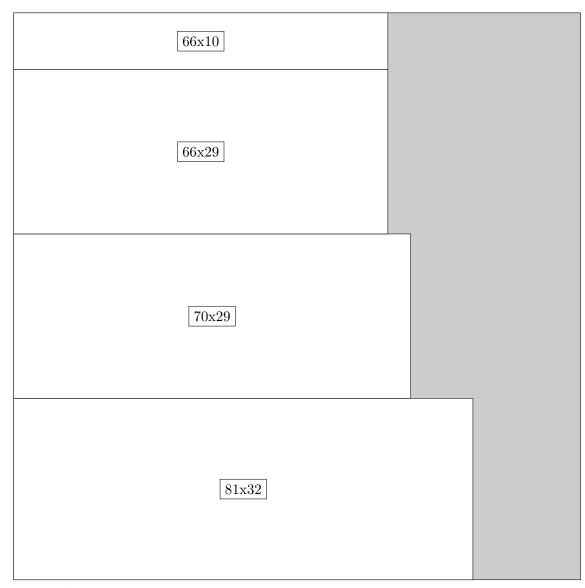
$$\le =32$$
 , h =2 , x =0 , y =98 , v =64



$$\le 87$$
 , h =31 , x =0 , y =0 , v =2697

$$\le =73$$
 , h =32 , x =0 , y =31 , v =2336

$$\le =67$$
 , h =34 , x =0 , y =63 , v =2278

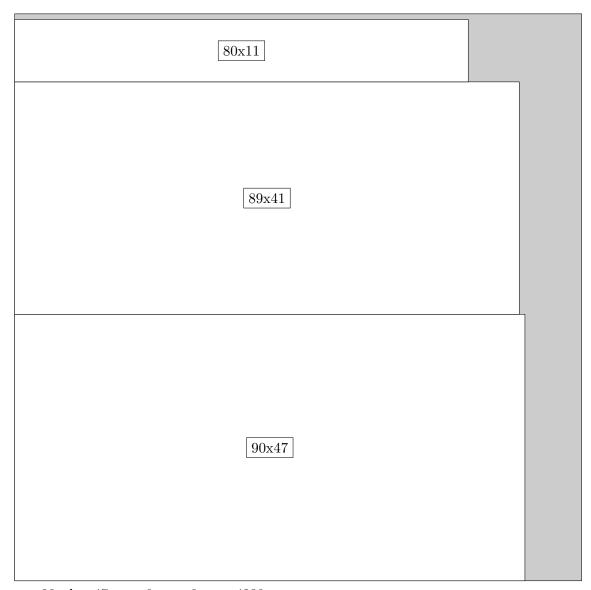


$$\le =81$$
 , h =32 , x =0 , y =0 , v =2592

$$\le =70$$
 , h =29 , x =0 , y =32 , v =2030

$$\le =66$$
 , h =29 , x =0 , y =61 , v =1914

$$\mathbf{w}$$
 =66 , h =10 , x =0 , y =90 , v =660



$$\le =90$$
 , h =47 , x =0 , y =0 , v =4230

$$\le =89$$
 , h =41 , x =0 , y =47 , v =3649

$$\le =80$$
 , h =11 , x =0 , y =88 , v =880