$ClassName: \ Class\_08.2bp\text{-}44$ 

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

TypeNum: <u>100</u> Num: <u>100</u> OutS: <u>290000</u> InS: <u>240785</u> Rate: <u>0.830</u> UB: <u>29</u> LB0: <u>29</u>

LBWithCut:  $\underline{\mathbf{29}}$  NodeCut:  $\underline{\mathbf{0}}$ 

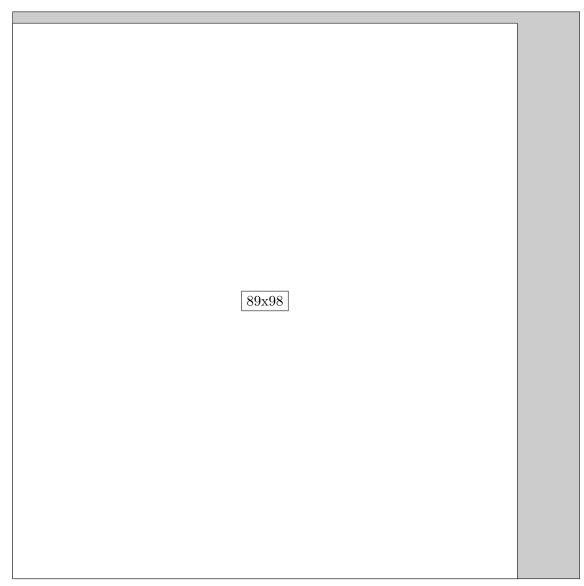
LB: **29** 

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

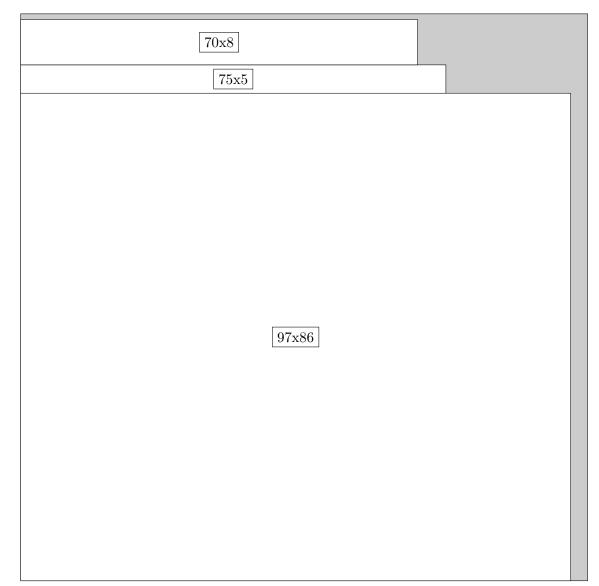
GenNodeCnt:  $\underline{\mathbf{1}}$ PrimalNode:  $\underline{\mathbf{0}}$ ColumnCount:  $\underline{\mathbf{29}}$ TotalCutCount:  $\underline{\mathbf{0}}$ RootCutCount:  $\underline{\mathbf{0}}$ LPSolverCnt:  $\underline{\mathbf{1}}$ PricingSolverCnt:  $\underline{\mathbf{0}}$ BranchAndBoundNum:  $\underline{\mathbf{1}}$ 

isOpt: **true** 

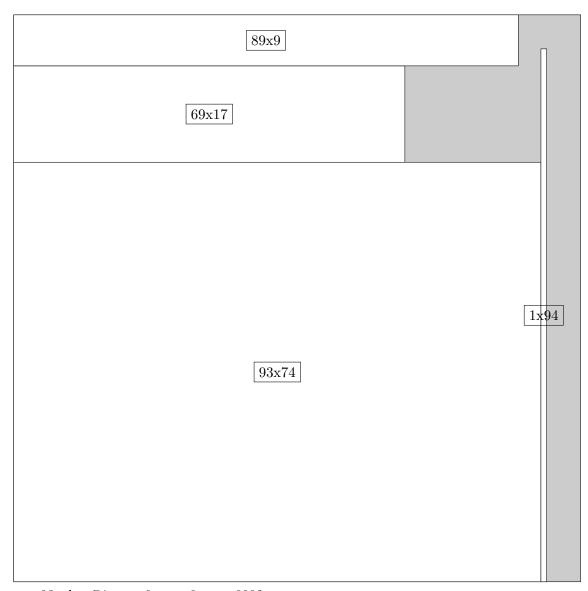
 $\begin{array}{ll} {\rm TimeOnInitSolution:} \ \underline{0.400 \ s} \\ {\rm TimeOnPrimal:} \ \underline{0.000 \ s} \\ {\rm TimeOnPricing:} \ \underline{0.000 \ s} \\ {\rm TimeOnRmp:} \ \underline{0.079 \ s} \\ {\rm TotalTime:} \ \underline{0.541 \ s} \\ \end{array}$ 



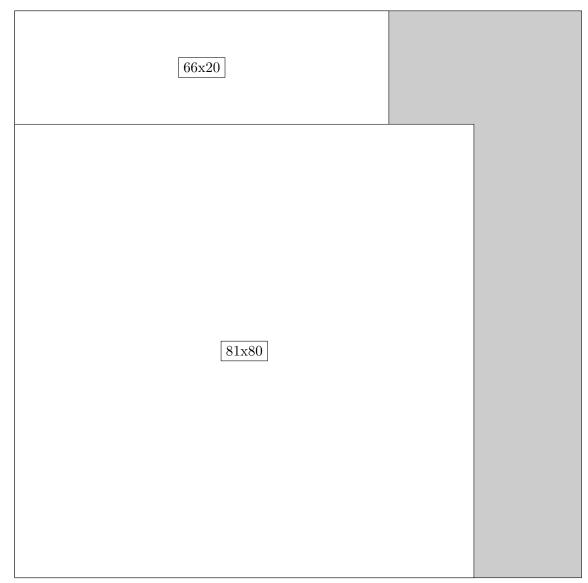
 $\le =89$  , h =98 , x =0 , y =0 , v =8722



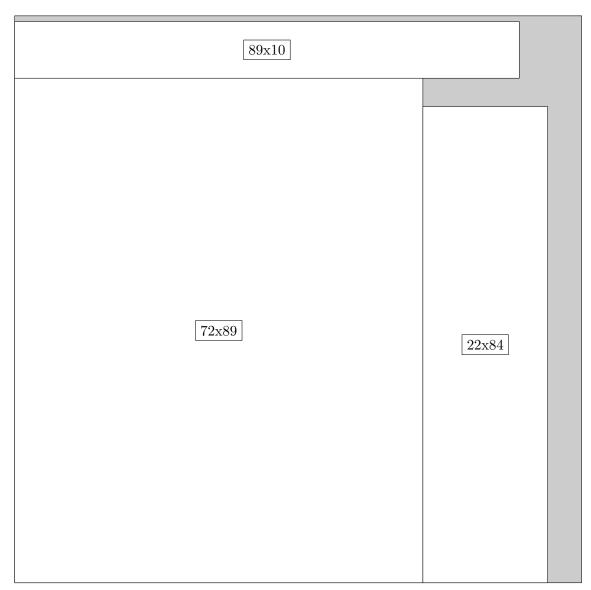
$$\begin{array}{l} w = \! 97 \; , \; h = \! 86 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 8342 \\ w = \! 75 \; , \; h = \! 5 \; , \; x = \! 0 \; , \; y = \! 86 \; , \; v = \! 375 \\ w = \! 70 \; , \; h = \! 8 \; , \; x = \! 0 \; , \; y = \! 91 \; , \; v = \! 560 \end{array}$$



$$\begin{array}{l} w = \! 93 \ , \ h = \! 74 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 6882 \\ w = \! 69 \ , \ h = \! 17 \ , \ x = \! 0 \ , \ y = \! 74 \ , \ v = \! 1173 \\ w = \! 89 \ , \ h = \! 9 \ , \ x = \! 0 \ , \ y = \! 91 \ , \ v = \! 801 \\ w = \! 1 \ , \ h = \! 94 \ , \ x = \! 93 \ , \ y = \! 0 \ , \ v = \! 94 \end{array}$$



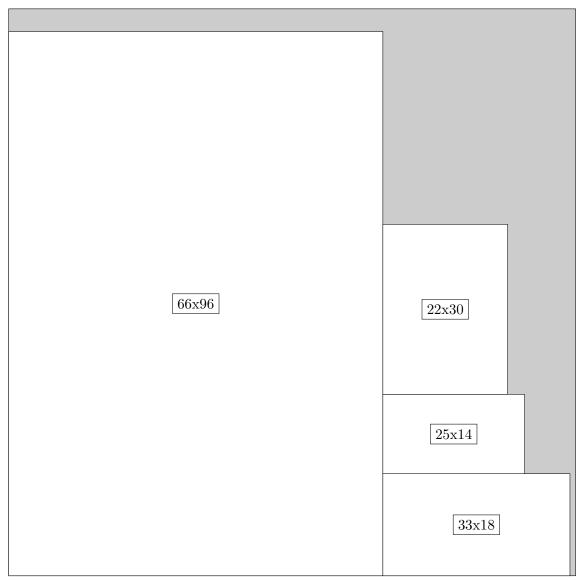
$$\begin{array}{l} w = \! 81 \ , \ h = \! 80 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 6480 \\ w = \! 66 \ , \ h = \! 20 \ , \ x = \! 0 \ , \ y = \! 80 \ , \ v = \! 1320 \end{array}$$



$$w = 72$$
,  $h = 89$ ,  $x = 0$ ,  $y = 0$ ,  $v = 6408$ 

$$\le =22$$
 ,  $h$  =84 ,  $x$  =72 ,  $y$  =0 ,  $v$  =1848

$$\le =89$$
 , h =10 , x =0 , y =89 , v =890

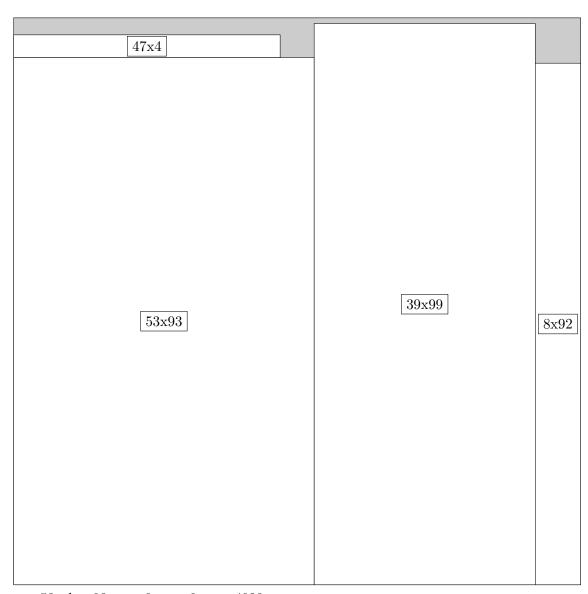


$$\le =66$$
 ,  $h=96$  ,  $x=0$  ,  $y=0$  ,  $v=6336$ 

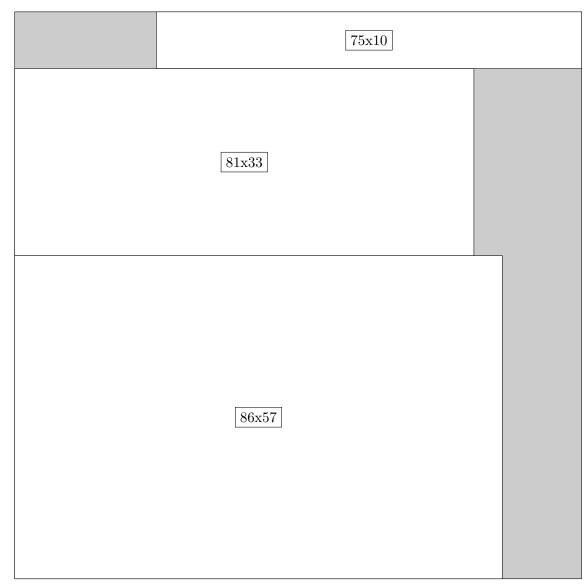
$$\le =22$$
 , h =30 , x =66 , y =32 , v =660

$$\le =33$$
 , h =18 , x =66 , y =0 , v =594

$$\le =25$$
 , h =14 , x =66 , y =18 , v =350



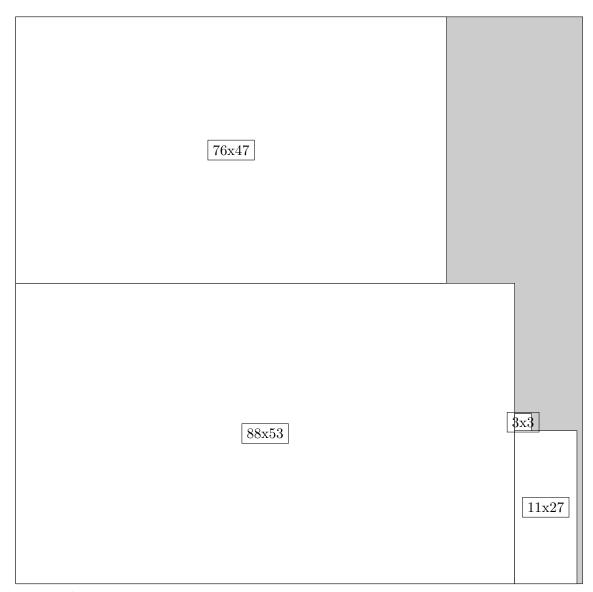
 $\begin{array}{l} w = \!\! 53 \ , \ h = \!\! 93 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 4929 \\ w = \!\! 39 \ , \ h = \!\! 99 \ , \ x = \!\! 53 \ , \ y = \!\! 0 \ , \ v = \!\! 3861 \\ w = \!\! 8 \ , \ h = \!\! 92 \ , \ x = \!\! 92 \ , \ y = \!\! 0 \ , \ v = \!\! 736 \\ w = \!\! 47 \ , \ h = \!\! 4 \ , \ x = \!\! 0 \ , \ y = \!\! 93 \ , \ v = \!\! 188 \end{array}$ 



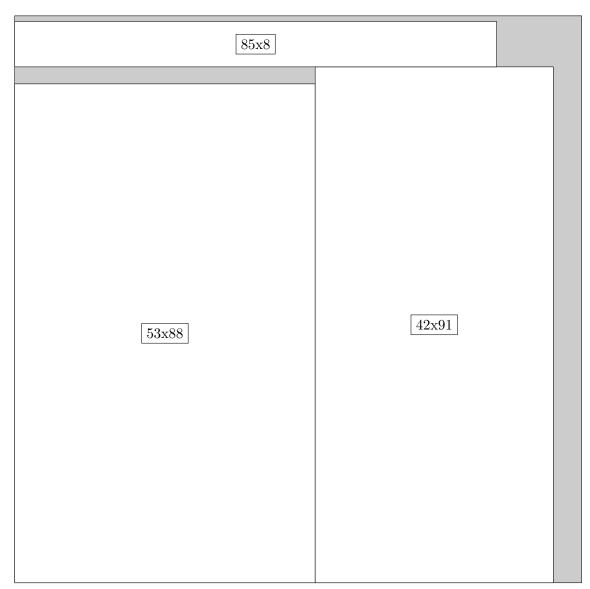
$$w = \! 86 \; , \; h = \! 57 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 4902$$

$$\le =81$$
 , h =33 , x =0 , y =57 , v =2673

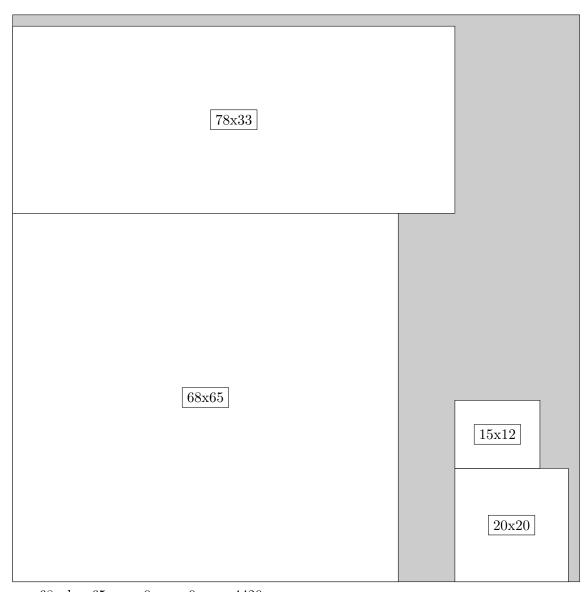
$$\le =75$$
 , h =10 , x =25 , y =90 , v =750



$$\begin{array}{l} w = \! 88 \;,\; h = \! 53 \;,\; x = \! 0 \;,\; y = \! 0 \;,\; v = \! 4664 \\ w = \! 76 \;,\; h = \! 47 \;,\; x = \! 0 \;,\; y = \! 53 \;,\; v = \! 3572 \\ w = \! 11 \;,\; h = \! 27 \;,\; x = \! 88 \;,\; y = \! 0 \;,\; v = \! 297 \\ w = \! 3 \;,\; h = \! 3 \;,\; x = \! 88 \;,\; y = \! 27 \;,\; v = \! 9 \end{array}$$



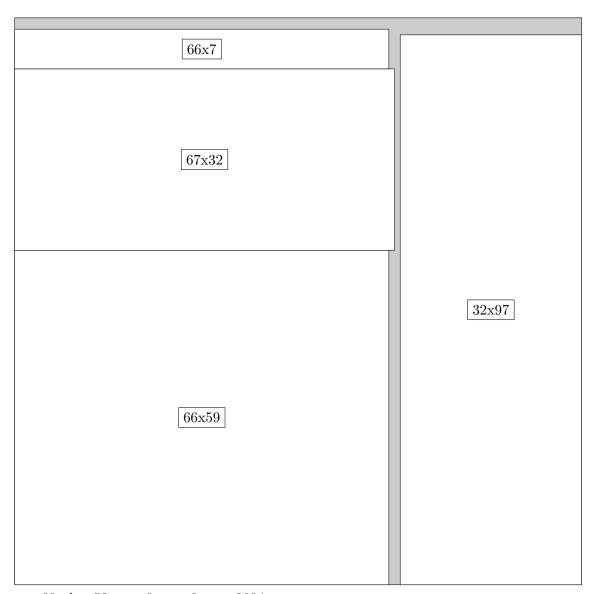
$$\begin{array}{l} w = \! 53 \ , \ h = \! 88 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 4664 \\ w = \! 42 \ , \ h = \! 91 \ , \ x = \! 53 \ , \ y = \! 0 \ , \ v = \! 3822 \\ w = \! 85 \ , \ h = \! 8 \ , \ x = \! 0 \ , \ y = \! 91 \ , \ v = \! 680 \end{array}$$



$$\begin{array}{l} w = \!68 \; , \; h = \!65 \; , \; x = \!0 \; , \; y = \!0 \; , \; v = \!4420 \\ w = \!78 \; , \; h = \!33 \; , \; x = \!0 \; , \; y = \!65 \; , \; v = \!2574 \end{array}$$

$$\le =20$$
 , h =20 , x =78 , y =0 , v =400

$$w$$
 =15 ,  $h$  =12 ,  $x$  =78 ,  $y$  =20 ,  $v$  =180

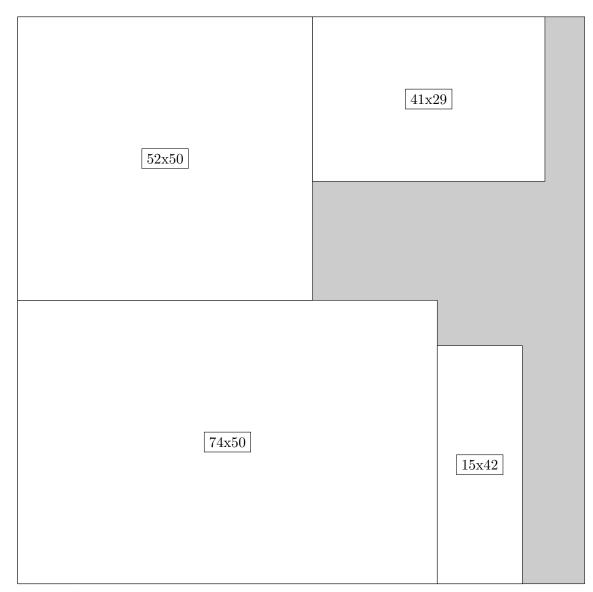


$$\le =66$$
 , h =59 , x =0 , y =0 , v =3894

$$\le =32$$
 , h =97 , x =68 , y =0 , v =3104

$$\le =67$$
 , h =32 , x =0 , y =59 , v =2144

$$\mathbf{w}$$
 =66 , h =7 , x =0 , y =91 , v =462

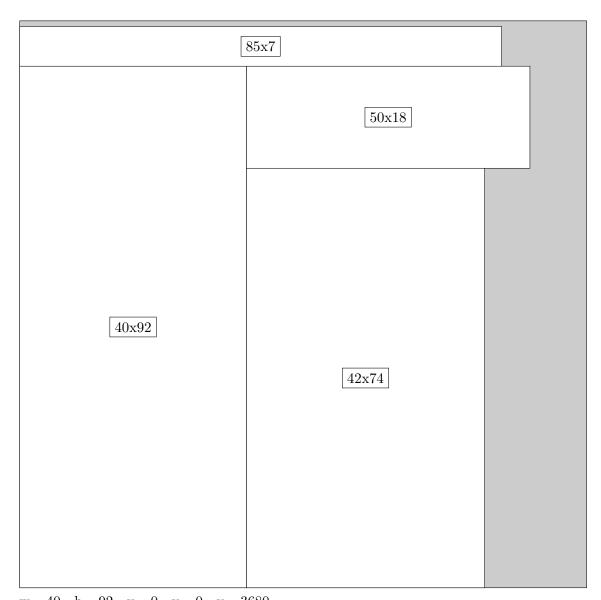


$$w$$
 =74 ,  $h$  =50 ,  $x$  =0 ,  $y$  =0 ,  $v$  =3700

$$\le =52$$
 , h =50 , x =0 , y =50 , v =2600

$$\le =41$$
 , h =29 , x =52 , y =71 , v =1189

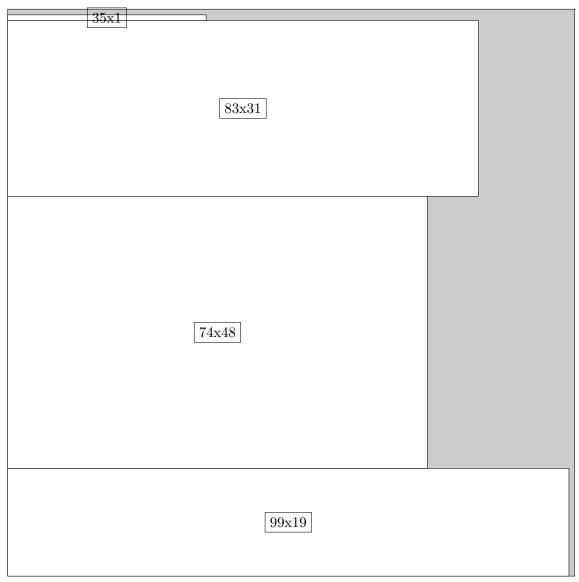
$$\mathbf{w}$$
 =15 , h =42 , x =74 , y =0 , v =630



$$\begin{array}{l} w = \!\! 40 \ , \ h = \!\! 92 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 3680 \\ w = \!\! 42 \ , \ h = \!\! 74 \ , \ x = \!\! 40 \ , \ y = \!\! 0 \ , \ v = \!\! 3108 \end{array}$$

$$\le =50$$
 , h =18 , x =40 , y =74 , v =900

$$\le =85$$
 , h =7 , x =0 , y =92 , v =595

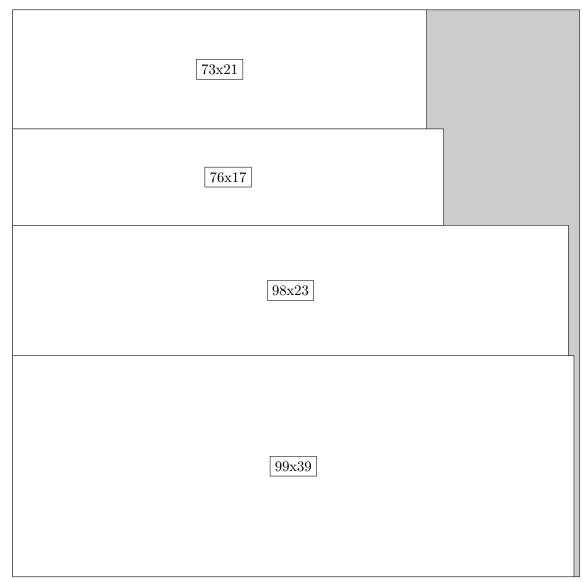


$$\le =99$$
 , h =19 , x =0 , y =0 , v =1881

$$\le =74$$
 , h =48 , x =0 , y =19 , v =3552

$$\le =83$$
 , h =31 , x =0 , y =67 , v =2573

$$\le =35$$
 , h =1 , x =0 , y =98 , v =35

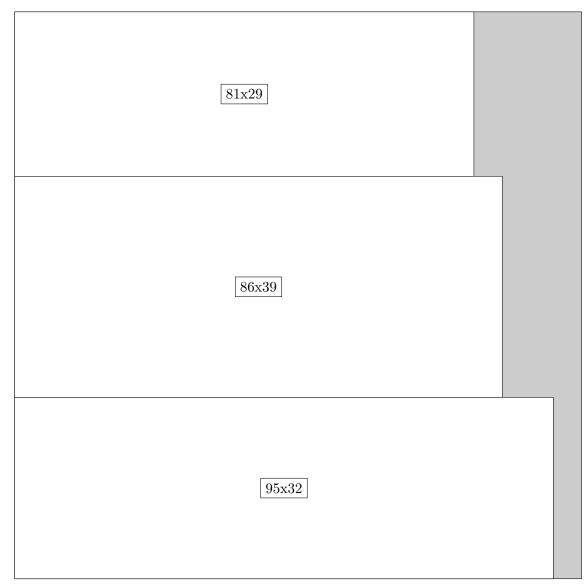


$$\le =99$$
 , h =39 , x =0 , y =0 , v =3861

$$\le =98$$
 , h =23 , x =0 , y =39 , v =2254

$$\le =73$$
 , h =21 , x =0 , y =79 , v =1533

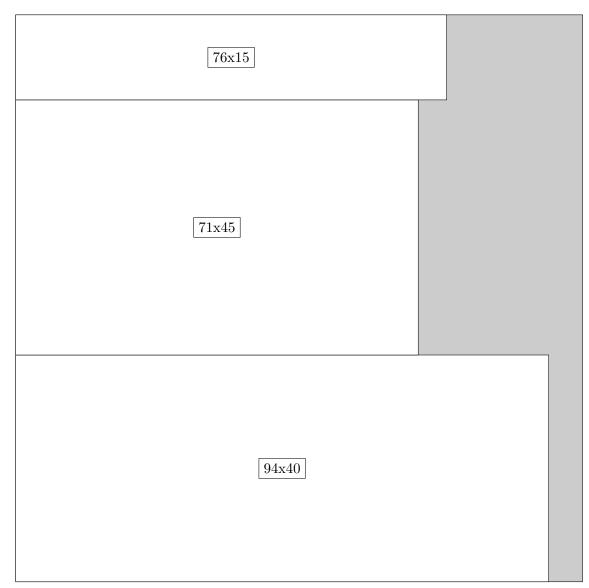
$$\mathbf{w}$$
 =76 , h =17 , x =0 , y =62 , v =1292



$$w = 86$$
,  $h = 39$ ,  $x = 0$ ,  $y = 32$ ,  $v = 3354$ 

$$\le =95$$
 , h =32 , x =0 , y =0 , v =3040

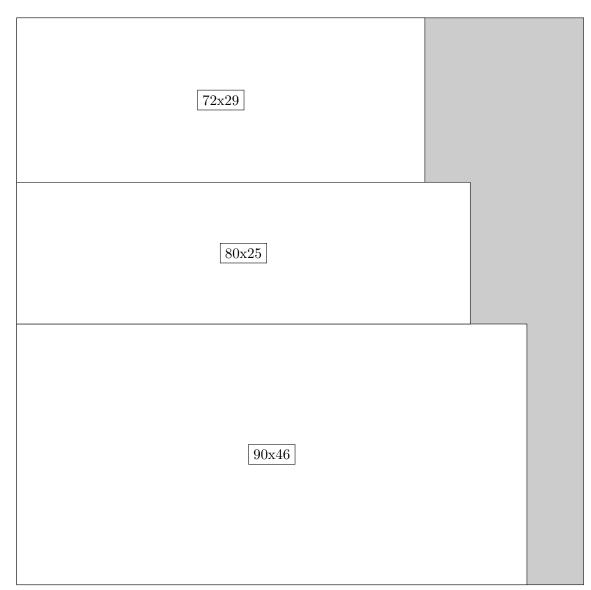
$$\le =81$$
 , h =29 , x =0 , y =71 , v =2349



$$\le =94$$
 , h =40 , x =0 , y =0 , v =3760

$$\le =71$$
 , h =45 , x =0 , y =40 , v =3195

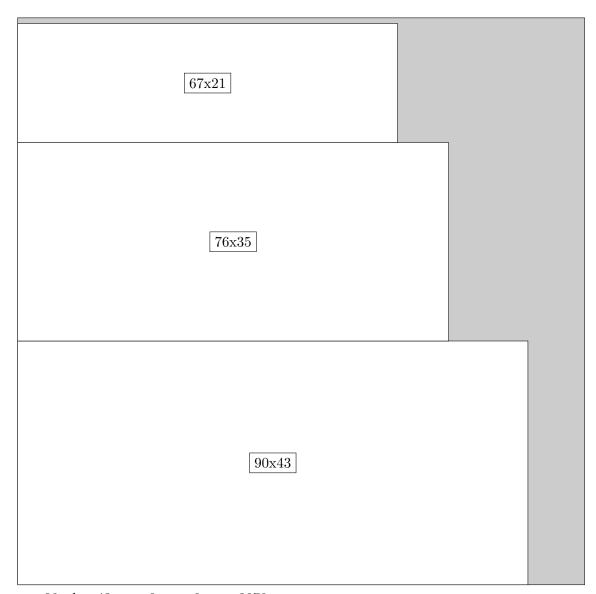
$$\le =76$$
 , h =15 , x =0 , y =85 , v =1140



$$\le =90$$
 , h =46 , x =0 , y =0 , v =4140

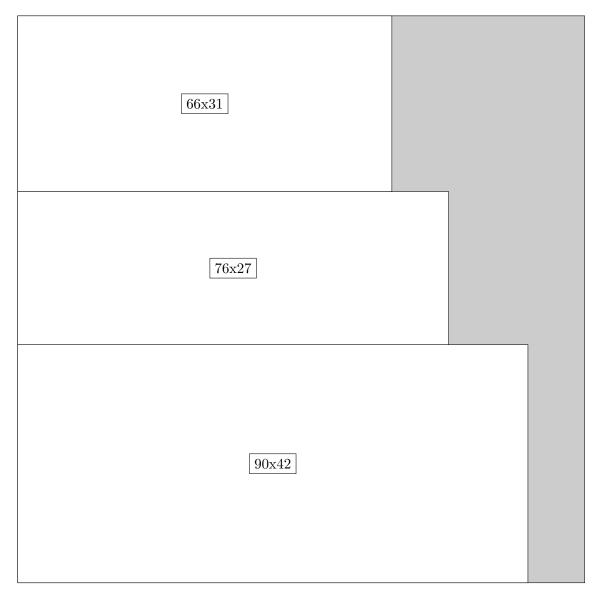
$$\le =72$$
 , h =29 , x =0 , y =71 , v =2088

$$\le =80$$
 , h =25 , x =0 , y =46 , v =2000



$$\begin{array}{l} w = \! 90 \ , \ h = \! 43 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 3870 \\ w = \! 76 \ , \ h = \! 35 \ , \ x = \! 0 \ , \ y = \! 43 \ , \ v = \! 2660 \end{array}$$

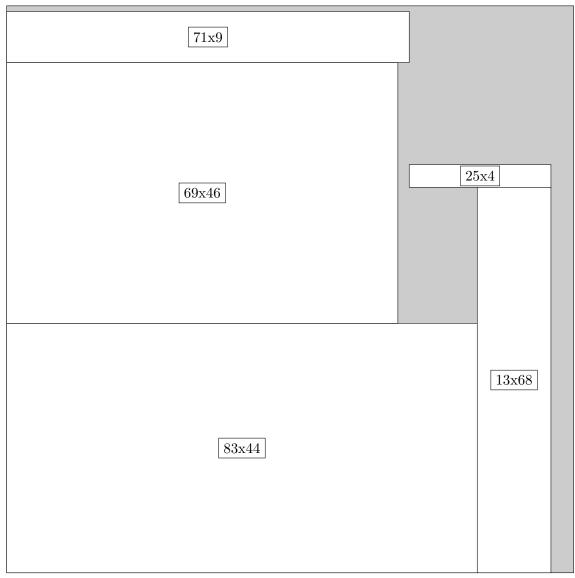
$$\le =67$$
 , h =21 , x =0 , y =78 , v =1407



$$\le =90$$
 , h =42 , x =0 , y =0 , v =3780

$$\le =76$$
 , h =27 , x =0 , y =42 , v =2052

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



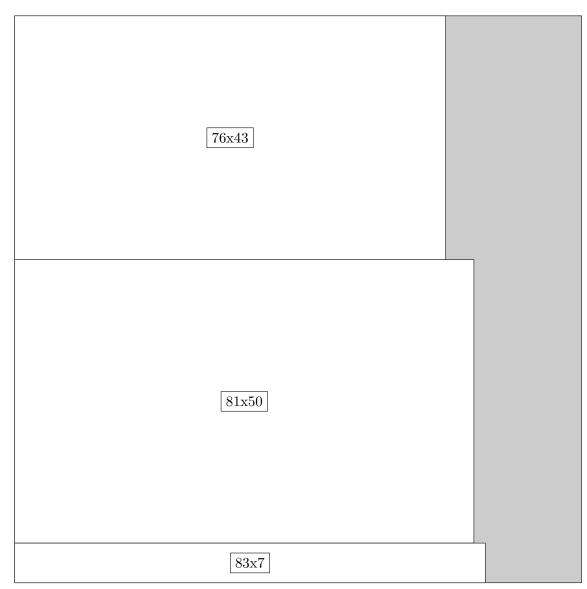
$$w = 83$$
,  $h = 44$ ,  $x = 0$ ,  $y = 0$ ,  $v = 3652$ 

$$\le =69$$
 , h =46 , x =0 , y =44 , v =3174

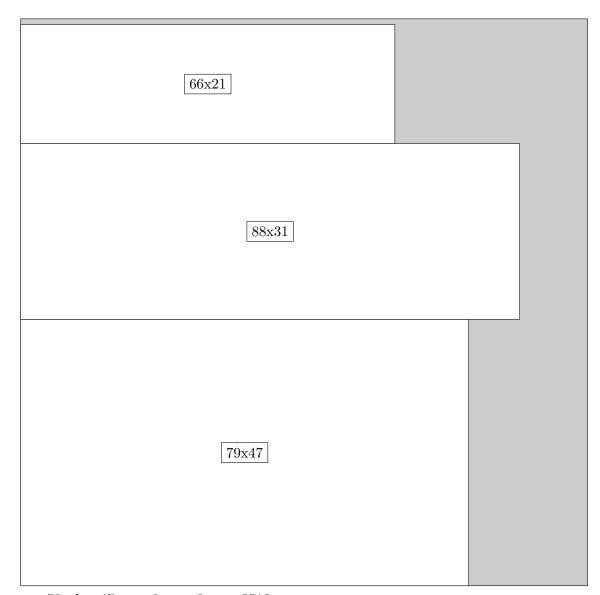
$$\mathbf{w}$$
 =13 , h =68 , x =83 , y =0 , v =884

$$\le =71$$
 , h =9 , x =0 , y =90 , v =639

$$\le =25$$
 , h =4 , x =71 , y =68 , v =100

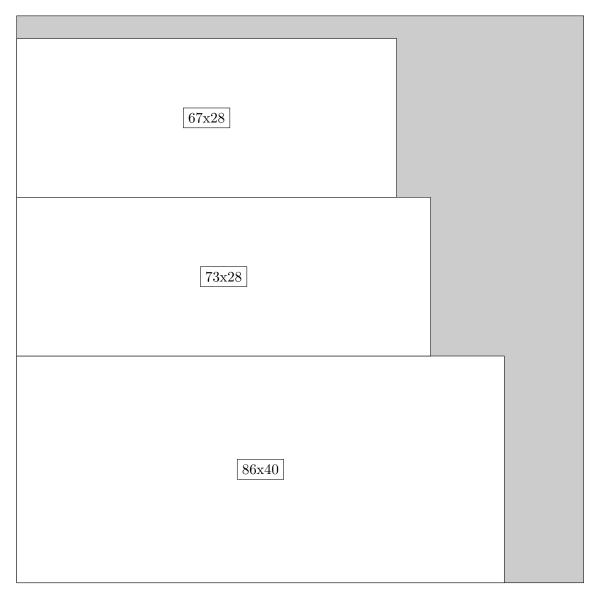


$$\begin{array}{l} w = \! 81 \ , \ h = \! 50 \ , \ x = \! 0 \ , \ y = \! 7 \ , \ v = \! 4050 \\ w = \! 76 \ , \ h = \! 43 \ , \ x = \! 0 \ , \ y = \! 57 \ , \ v = \! 3268 \\ w = \! 83 \ , \ h = \! 7 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 581 \end{array}$$



$$\begin{array}{l} w = \! 79 \ , \ h = \! 47 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 3713 \\ w = \! 88 \ , \ h = \! 31 \ , \ x = \! 0 \ , \ y = \! 47 \ , \ v = \! 2728 \end{array}$$

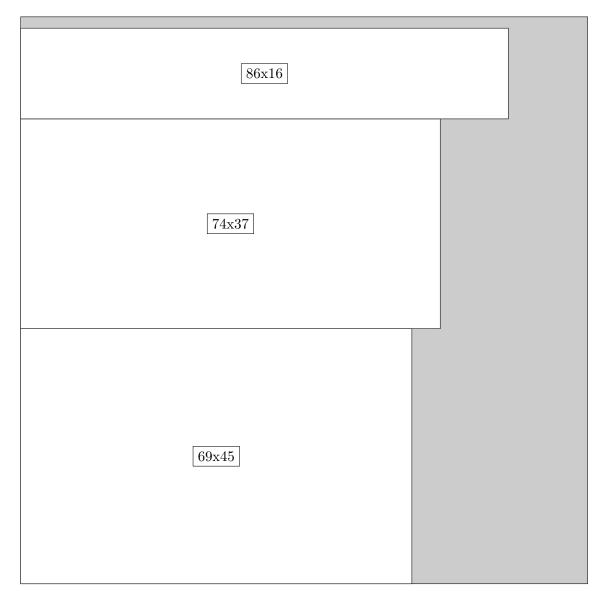
$$\le =66$$
 ,  $h$  =21 ,  $x$  =0 ,  $y$  =78 ,  $v$  =1386



$$w = 86$$
,  $h = 40$ ,  $x = 0$ ,  $y = 0$ ,  $v = 3440$ 

$$\le =73$$
 , h =28 , x =0 , y =40 , v =2044

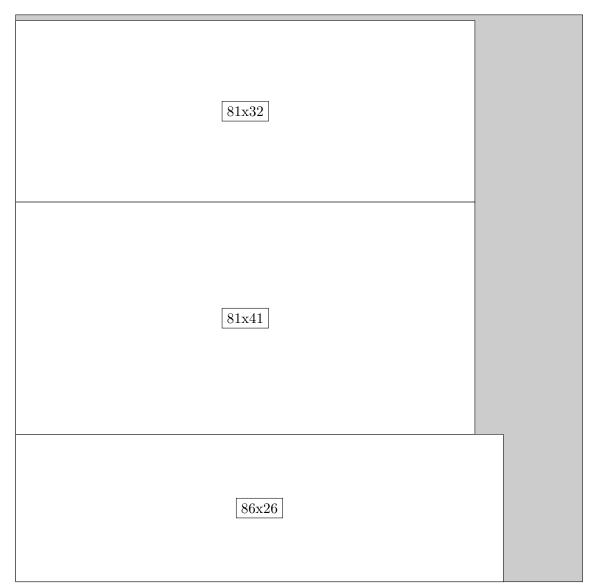
$$\le =67$$
 , h =28 , x =0 , y =68 , v =1876



$$\le =69$$
 ,  $h=45$  ,  $x=0$  ,  $y=0$  ,  $v=3105$ 

$$\le =74$$
 , h =37 , x =0 , y =45 , v =2738

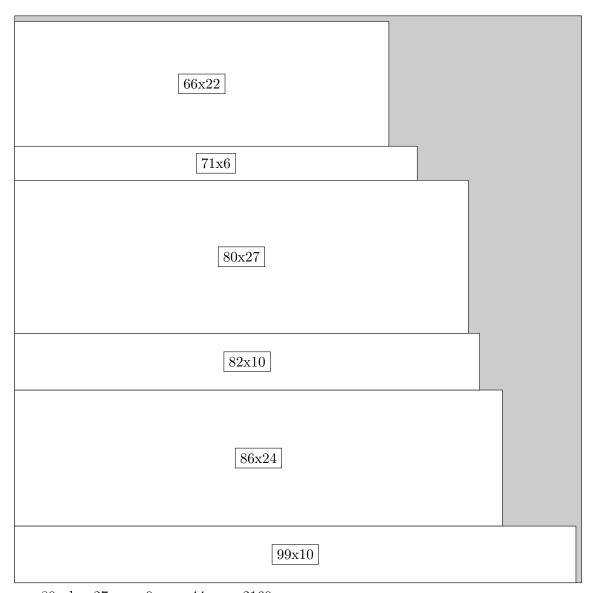
$$\le =86$$
 ,  $h$  =16 ,  $x$  =0 ,  $y$  =82 ,  $v$  =1376



$$w = 81$$
,  $h = 41$ ,  $x = 0$ ,  $y = 26$ ,  $v = 3321$ 

$$\le =81$$
 , h =32 , x =0 , y =67 , v =2592

$$\le =86$$
 , h =26 , x =0 , y =0 , v =2236



$$\le =80$$
 , h =27 , x =0 , y =44 , v =2160

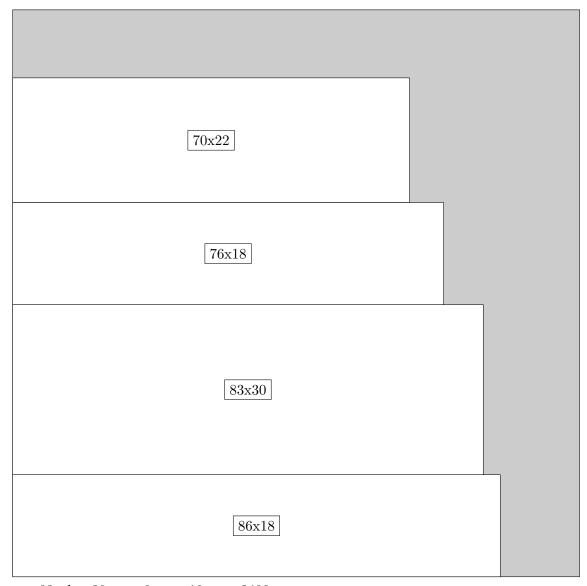
$$w = 86$$
,  $h = 24$ ,  $x = 0$ ,  $y = 10$ ,  $v = 2064$ 

$$\le =66$$
 , h =22 , x =0 , y =77 , v =1452

$$\le =99$$
 , h =10 , x =0 , y =0 , v =990

$$\mathbf{w}$$
 =71 , h =6 , x =0 , y =71 , v =426

$$\le =82$$
 ,  $h=10$  ,  $x=0$  ,  $y=34$  ,  $v=820$ 



$$\le =83$$
 ,  $h$  =30 ,  $x$  =0 ,  $y$  =18 ,  $v$  =2490

$$\le =86$$
 ,  $h$  =18 ,  $x$  =0 ,  $y$  =0 ,  $v$  =1548

$$\le =70$$
 , h =22 , x =0 , y =66 , v =1540

$$\mathbf{w}$$
 =76 , h =18 , x =0 , y =48 , v =1368