${\bf ClassName:}\ {\bf Class\_08.2bp\text{-}35}$ 

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

TypeNum: <u>79</u> Num: <u>80</u> OutS: <u>220000</u> InS: <u>187151</u> Rate: <u>0.851</u> UB: <u>22</u> LB0: <u>22</u>

LB: <u>22</u> LBWithCut: <u>22</u>

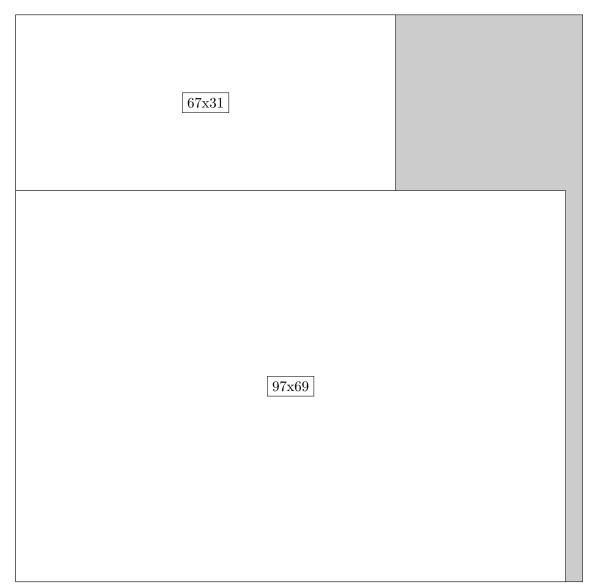
NodeCut: <u>0</u>

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

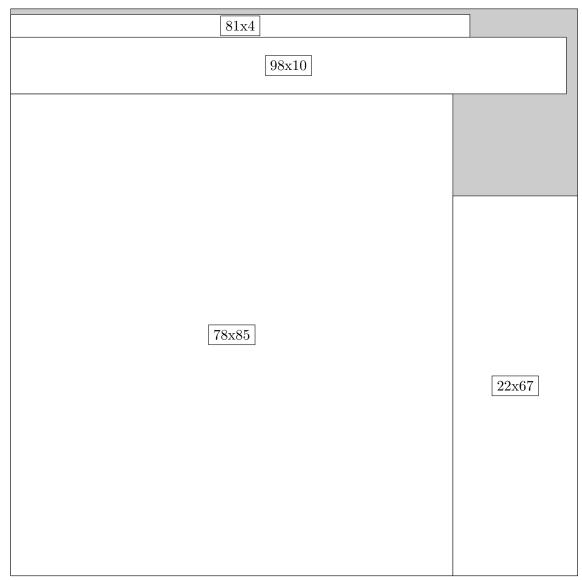
GenNodeCnt:  $\underline{\mathbf{1}}$ PrimalNode:  $\underline{\mathbf{0}}$ ColumnCount:  $\underline{\mathbf{22}}$ TotalCutCount:  $\underline{\mathbf{0}}$ RootCutCount:  $\underline{\mathbf{0}}$ LPSolverCnt:  $\underline{\mathbf{1}}$ PricingSolverCnt:  $\underline{\mathbf{0}}$ BranchAndBoundNum:  $\underline{\mathbf{1}}$ 

isOpt: **true** 

 $\begin{array}{ll} {\rm TimeOnInitSolution:} \ \underline{0.220 \ s} \\ {\rm TimeOnPrimal:} \ \underline{0.000 \ s} \\ {\rm TimeOnPricing:} \ \underline{0.000 \ s} \\ {\rm TimeOnRmp:} \ \underline{0.078 \ s} \\ {\rm TotalTime:} \ \underline{0.345 \ s} \end{array}$ 



$$\begin{array}{l} w = \! 97 \ , \ h = \! 69 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 6693 \\ w = \! 67 \ , \ h = \! 31 \ , \ x = \! 0 \ , \ y = \! 69 \ , \ v = \! 2077 \end{array}$$

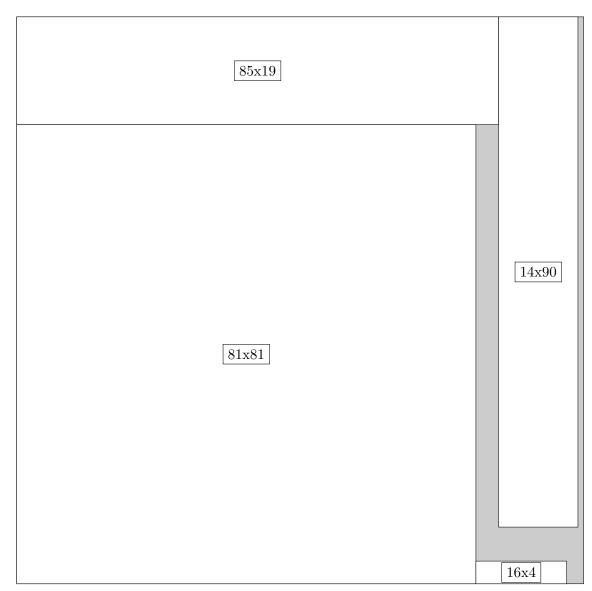


$$\le -78$$
 , h =  
85 , x =0 , y =  
0 , v =  
6630

$$\le =22$$
 ,  $h$  =67 ,  $x$  =78 ,  $y$  =0 ,  $v$  =1474

$$\le =98$$
 , h =10 , x =0 , y =85 , v =980

$$\le =81$$
 ,  $h$  =4 ,  $x$  =0 ,  $y$  =95 ,  $v$  =324



 $\le 81$  ,  $\ge 81$  ,  $\ge$ 

 $\le =85$  , h =19 , x =0 , y =81 , v =1615

 $\le =14$  , h =90 , x =85 , y =10 , v =1260

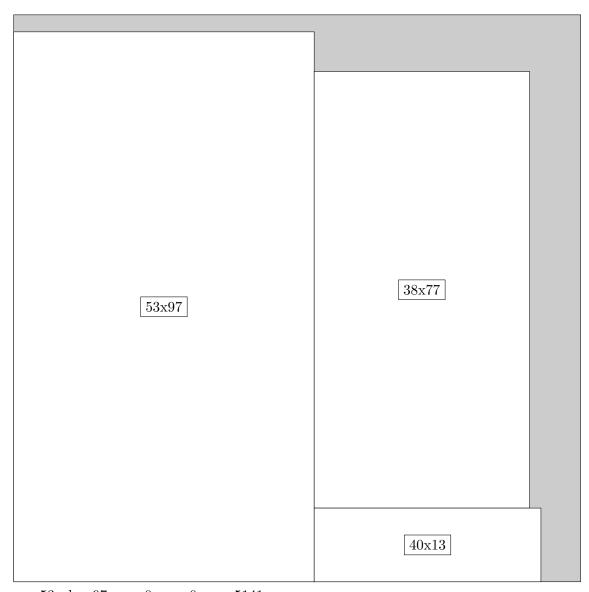
 $\mathbf{w}$  =16 , h =4 , x =81 , y =0 , v =64

[74x32]	
80x68	20x88

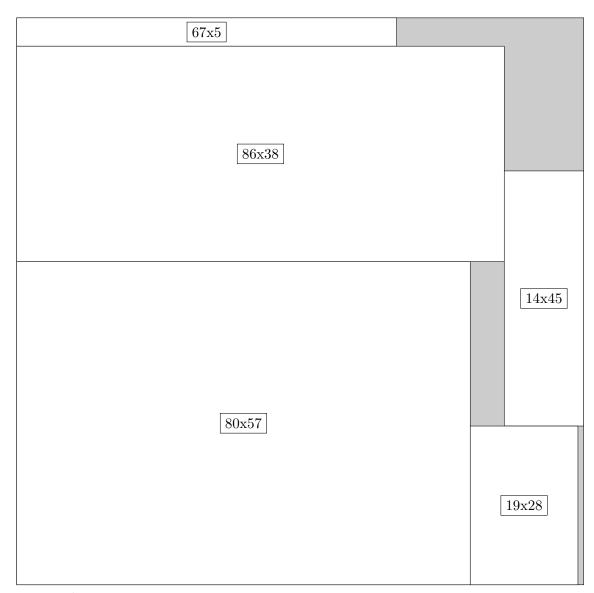
$$w = 80$$
,  $h = 68$ ,  $x = 0$ ,  $y = 0$ ,  $v = 5440$ 

$$\le =74$$
 , h =32 , x =0 , y =68 , v =2368

$$\le =20$$
 , h =88 , x =80 , y =0 , v =1760



$$\begin{array}{l} w = \! 53 \ , \ h = \! 97 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 5141 \\ w = \! 38 \ , \ h = \! 77 \ , \ x = \! 53 \ , \ y = \! 13 \ , \ v = \! 2926 \\ w = \! 40 \ , \ h = \! 13 \ , \ x = \! 53 \ , \ y = \! 0 \ , \ v = \! 520 \end{array}$$



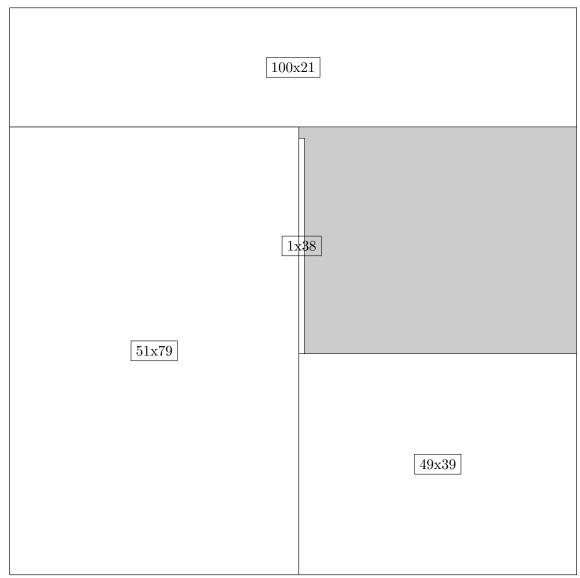
 $\le =80$  , h =57 , x =0 , y =0 , v =4560

 $\le =67$  , h =5 , x =0 , y =95 , v =335

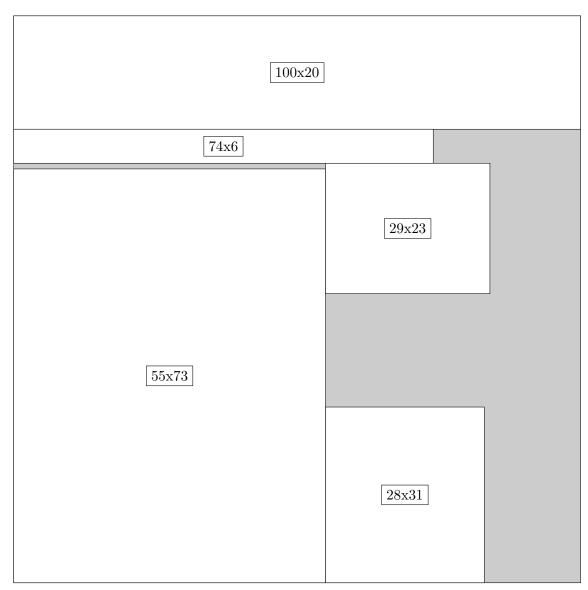
 $\le =86$  , h =38 , x =0 , y =57 , v =3268

 $\le =14$  , h =45 , x =86 , y =28 , v =630

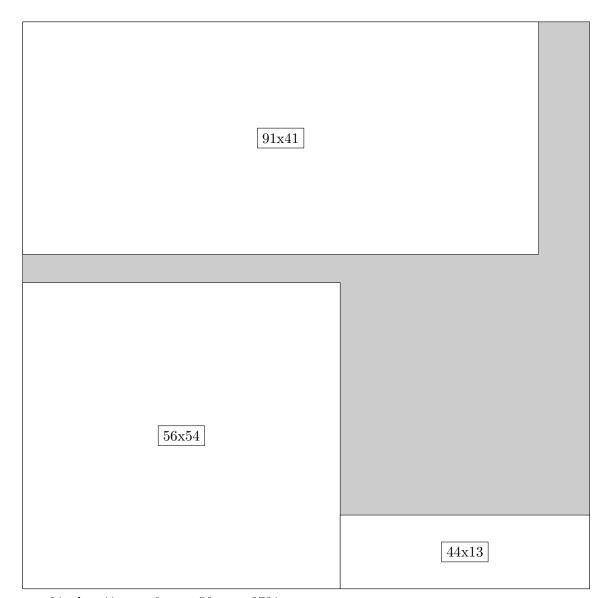
 $w=\!19$  ,  $h=\!28$  ,  $x=\!80$  ,  $y=\!0$  ,  $v=\!532$ 



 $\begin{array}{l} w = \!\!51 \ , \ h = \!\!79 \ , \ x = \!\!0 \ , \ y = \!\!0 \ , \ v = \!\!4029 \\ w = \!\!100 \ , \ h = \!\!21 \ , \ x = \!\!0 \ , \ y = \!\!79 \ , \ v = \!\!2100 \\ w = \!\!49 \ , \ h = \!\!39 \ , \ x = \!\!51 \ , \ y = \!\!0 \ , \ v = \!\!1911 \\ w = \!\!1 \ , \ h = \!\!38 \ , \ x = \!\!51 \ , \ y = \!\!39 \ , \ v = \!\!38 \end{array}$ 

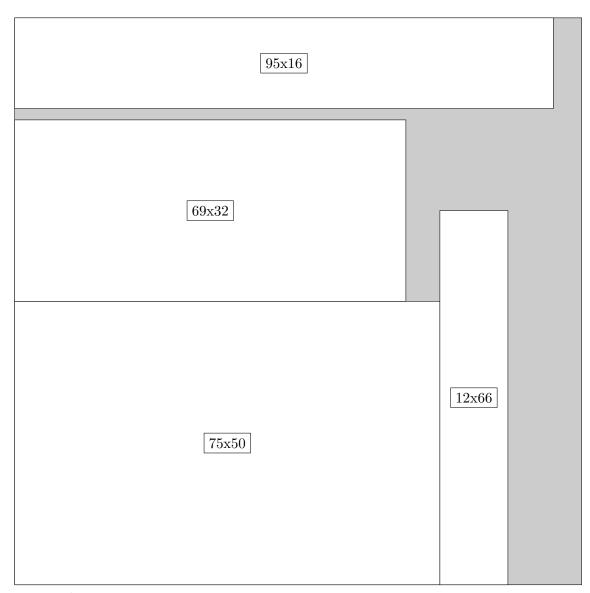


$$\begin{array}{l} w = \!\!55 \;,\; h = \!\!73 \;,\; x = \!\!0 \;,\; y = \!\!0 \;,\; v = \!\!4015 \\ w = \!\!100 \;,\; h = \!\!20 \;,\; x = \!\!0 \;,\; y = \!\!80 \;,\; v = \!\!2000 \\ w = \!\!28 \;,\; h = \!\!31 \;,\; x = \!\!55 \;,\; y = \!\!0 \;,\; v = \!\!868 \\ w = \!\!29 \;,\; h = \!\!23 \;,\; x = \!\!55 \;,\; y = \!\!51 \;,\; v = \!\!667 \\ w = \!\!74 \;,\; h = \!\!6 \;,\; x = \!\!0 \;,\; y = \!\!74 \;,\; v = \!\!444 \end{array}$$



$$\begin{array}{l} w = \! 91 \ , \ h = \! 41 \ , \ x = \! 0 \ , \ y = \! 59 \ , \ v = \! 3731 \\ w = \! 56 \ , \ h = \! 54 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 3024 \end{array}$$

$$w = 44$$
,  $h = 13$ ,  $x = 56$ ,  $y = 0$ ,  $v = 572$ 

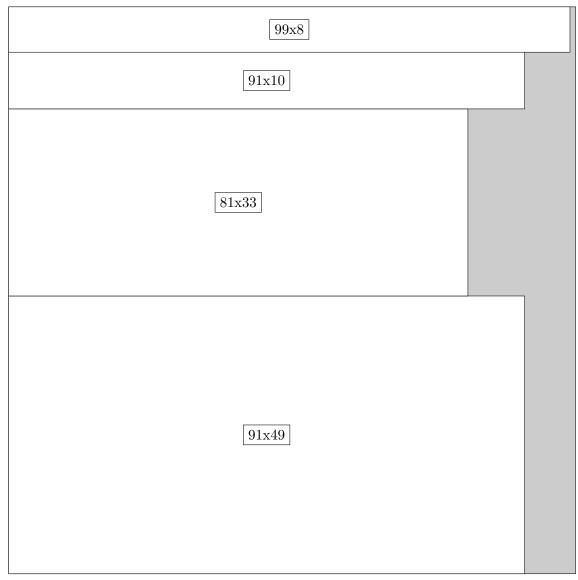


$$\le =75$$
 , h =50 , x =0 , y =0 , v =3750

$$\le =95$$
 ,  $h$  =16 ,  $x$  =0 ,  $y$  =84 ,  $v$  =1520

$$\le =69$$
 , h =32 , x =0 , y =50 , v =2208

$$\mathbf{w}$$
 =12 , h =66 , x =75 , y =0 , v =792

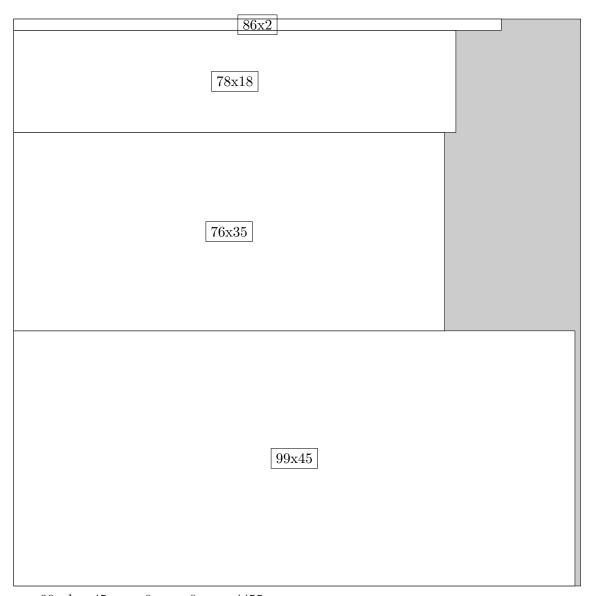


$$\le =91$$
 ,  $h=49$  ,  $x=0$  ,  $y=0$  ,  $v=4459$ 

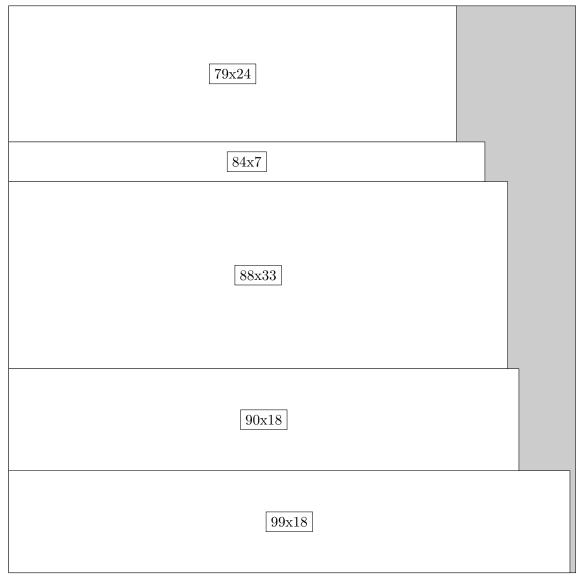
$$\le =81$$
 , h =33 , x =0 , y =49 , v =2673

$$\le =91$$
 , h =10 , x =0 , y =82 , v =910

$$\le =99$$
 , h =8 , x =0 , y =92 , v =792



$$\begin{array}{l} w = 99 \ , \ h = \!\! 45 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 4455 \\ w = \!\! 76 \ , \ h = \!\! 35 \ , \ x = \!\! 0 \ , \ y = \!\! 45 \ , \ v = \!\! 2660 \\ w = \!\! 78 \ , \ h = \!\! 18 \ , \ x = \!\! 0 \ , \ y = \!\! 80 \ , \ v = \!\! 1404 \\ w = \!\! 86 \ , \ h = \!\! 2 \ , \ x = \!\! 0 \ , \ y = \!\! 98 \ , \ v = \!\! 172 \end{array}$$



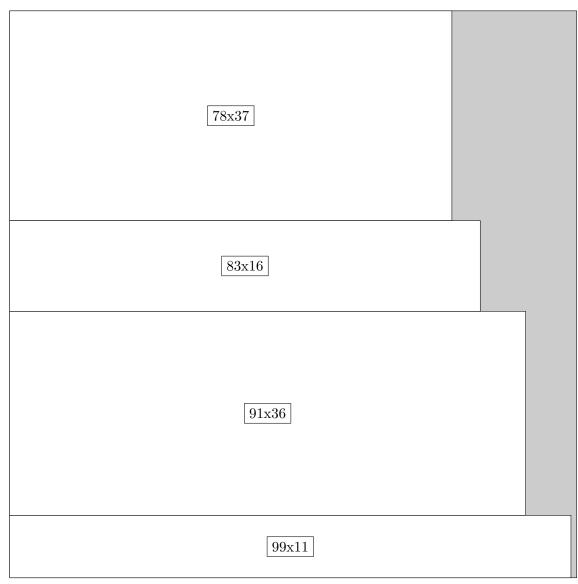
$$w = 88$$
,  $h = 33$ ,  $x = 0$ ,  $y = 36$ ,  $v = 2904$ 

$$\le =79$$
 , h =24 , x =0 , y =76 , v =1896

$$\le =99$$
 ,  $h$  =18 ,  $x$  =0 ,  $y$  =0 ,  $v$  =1782

$$\le =90$$
 ,  $h$  =18 ,  $x$  =0 ,  $y$  =18 ,  $v$  =1620

$$\le =84$$
 ,  $h$  =7 ,  $x$  =0 ,  $y$  =69 ,  $v$  =588

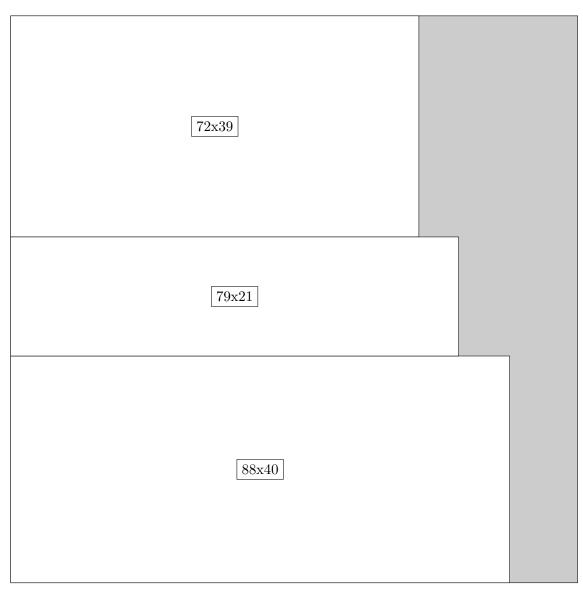


$$\le =91$$
 ,  $h=36$  ,  $x=0$  ,  $y=11$  ,  $v=3276$ 

$$\le -78$$
 , h =37 , x =0 , y =63 , v =2886

$$\le =83$$
 ,  $h$  =16 ,  $x$  =0 ,  $y$  =47 ,  $v$  =1328

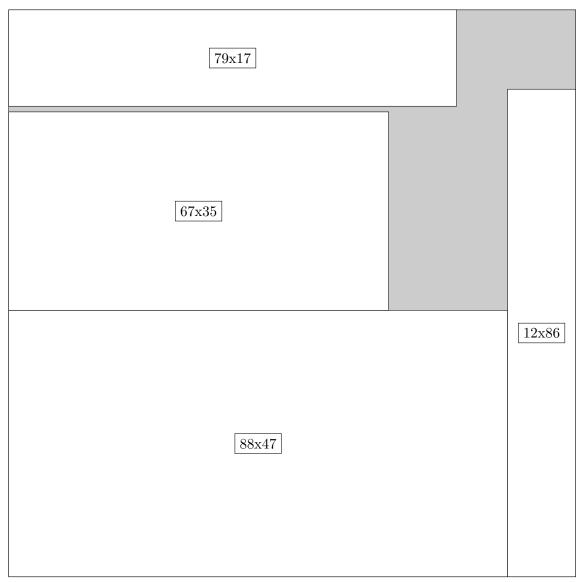
$$\le =99$$
 , h =11 , x =0 , y =0 , v =1089



$$w = 88$$
,  $h = 40$ ,  $x = 0$ ,  $y = 0$ ,  $v = 3520$ 

$$\le =72$$
 , h =39 , x =0 , y =61 , v =2808

$$\le =79$$
 , h =21 , x =0 , y =40 , v =1659

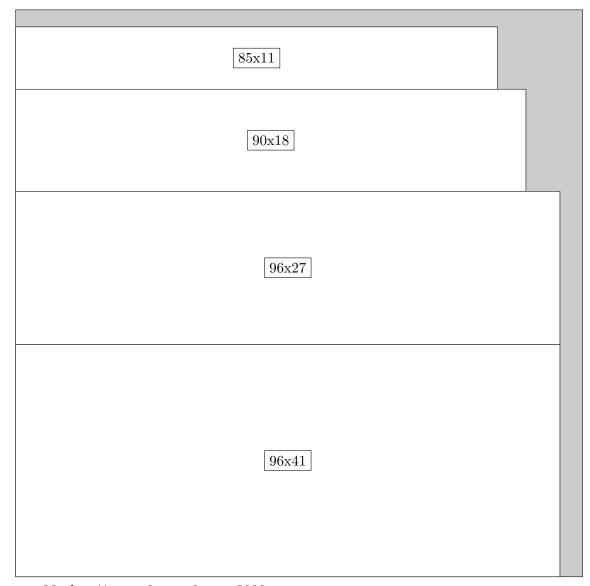


$$\le =88$$
 ,  $h=47$  ,  $x=0$  ,  $y=0$  ,  $v=4136$ 

$$\le =67$$
 , h =35 , x =0 , y =47 , v =2345

$$\le =79$$
 , h =17 , x =0 , y =83 , v =1343

$$\le =12$$
 , h =86 , x =88 , y =0 , v =1032

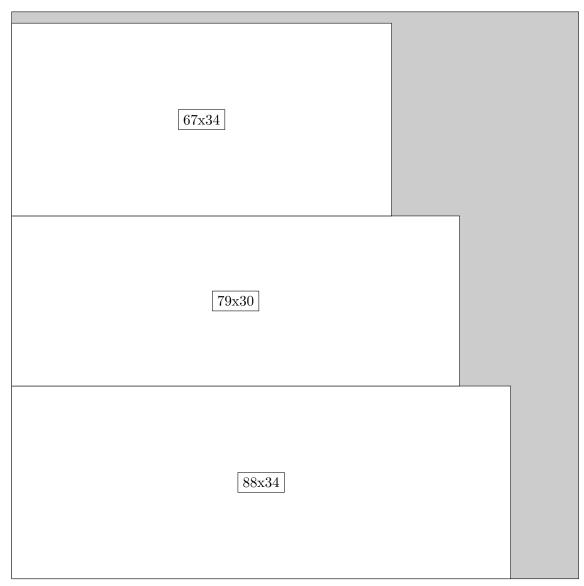


$$\le =96$$
 , h =41 , x =0 , y =0 , v =3936

$$\le =96$$
 , h =27 , x =0 , y =41 , v =2592

$$\le =90$$
 , h =18 , x =0 , y =68 , v =1620

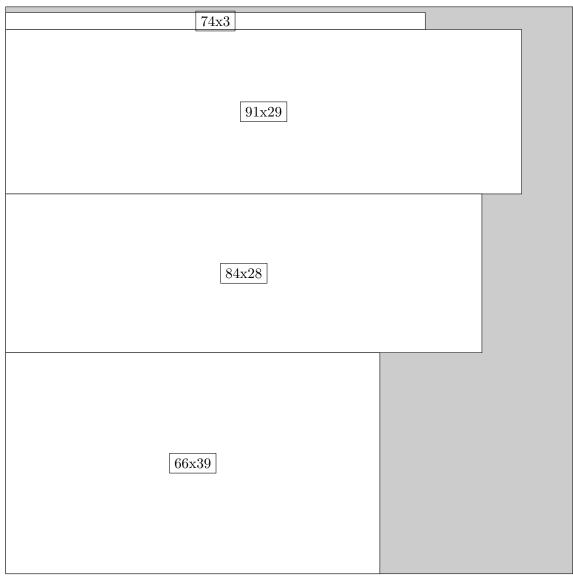
$$\le =85$$
 ,  $h$  =11 ,  $x$  =0 ,  $y$  =86 ,  $v$  =935



$$w = 88$$
,  $h = 34$ ,  $x = 0$ ,  $y = 0$ ,  $v = 2992$ 

$$\le =79$$
 , h =30 , x =0 , y =34 , v =2370

$$\le =67$$
 , h =34 , x =0 , y =64 , v =2278



$$\le =91$$
 , h =29 , x =0 , y =67 , v =2639

$$\le =84$$
 , h =28 , x =0 , y =39 , v =2352

$$\le =66$$
 , h =39 , x =0 , y =0 , v =2574

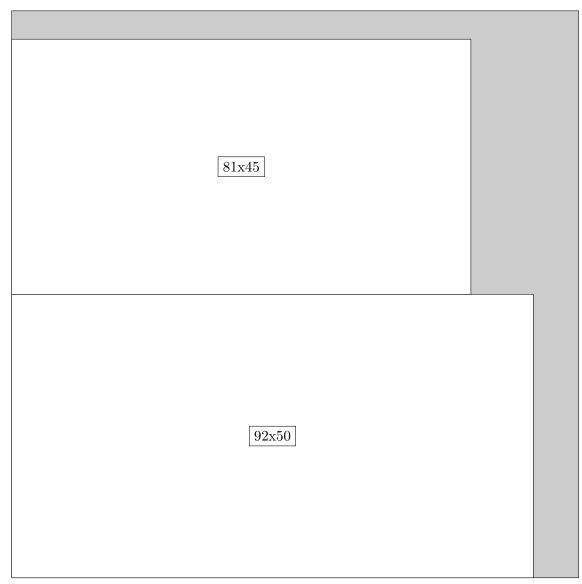
$$\le =74$$
 , h =3 , x =0 , y =96 , v =222



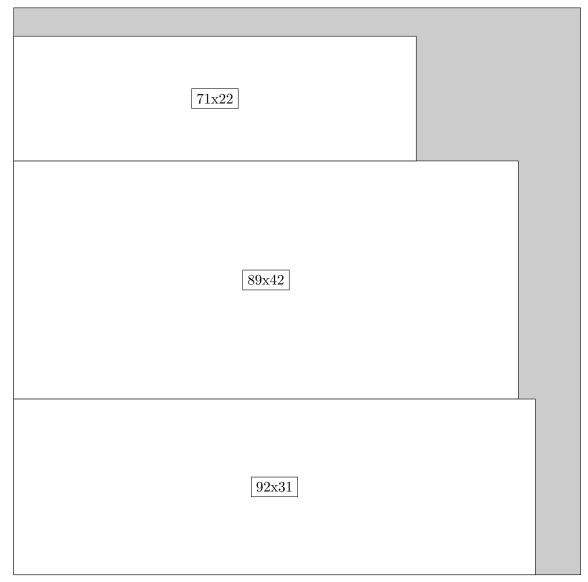
$$w = 94$$
,  $h = 34$ ,  $x = 0$ ,  $y = 0$ ,  $v = 3196$ 

$$\le =88$$
 , h =43 , x =0 , y =34 , v =3784

$$\mathbf{w}$$
 =70 , h =10 , x =0 , y =77 , v =700



$$\begin{array}{c} w = 92 \; , \; h = \!\! 50 \; , \; x = \!\! 0 \; , \; y = \!\! 0 \; , \; v = \!\! 4600 \\ w = \!\! 81 \; , \; h = \!\! 45 \; , \; x = \!\! 0 \; , \; y = \!\! 50 \; , \; v = \!\! 3645 \\ \end{array}$$



$$w$$
 =89 ,  $h$  =42 ,  $x$  =0 ,  $y$  =31 ,  $v$  =3738

$$\le =92$$
 , h =31 , x =0 , y =0 , v =2852

$$\le =71$$
 , h =22 , x =0 , y =73 , v =1562