$ClassName: \ Class\_05.2bp\text{-}45$ 

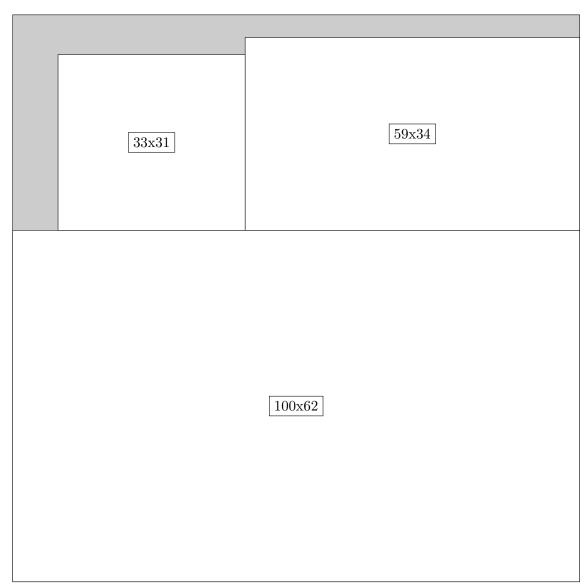
BinSize:  $\underline{100 \times 100}$ ReduceSize:  $\underline{100 \times 100}$ 

TypeNum: <u>100</u> Num: <u>100</u> OutS: <u>340000</u> InS: <u>289969</u> Rate: <u>0.853</u> UB: <u>34</u> LB: <u>34</u>

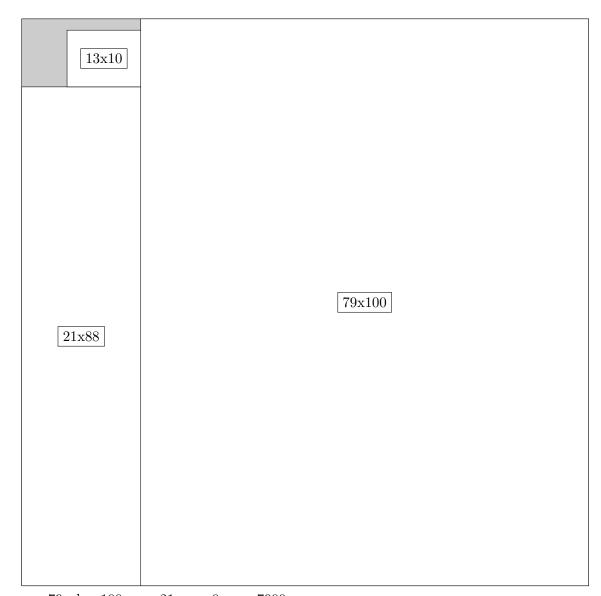
LBWithCut:  $\underline{34}$ NodeCount:  $\underline{0}$ PrimalNode:  $\underline{0}$ ColumnCount:  $\underline{34}$ TotalCutCount:  $\underline{0}$ RootCutCount:  $\underline{0}$ LPSolverCnt:  $\underline{1}$ PricingSolverCnt:  $\underline{0}$ BranchAndBoundNum:  $\underline{1}$ 

isOpt: **true** 

TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.078 sTotalTime: 0.250 s

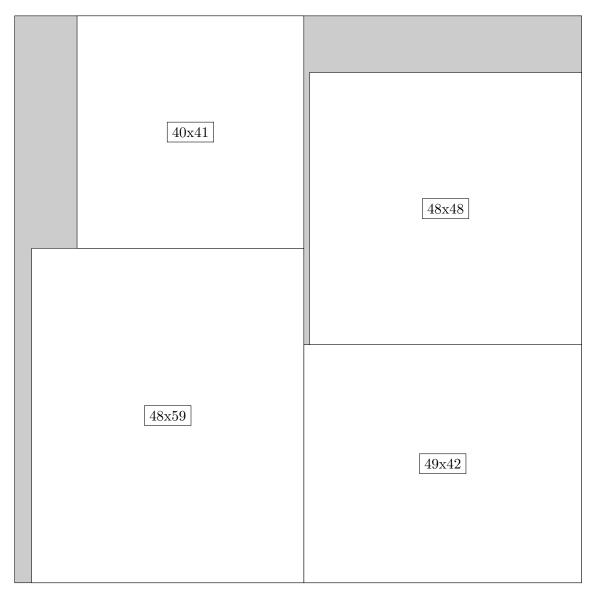


$$\begin{array}{l} w = \! 100 \ , \ h = \! 62 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 6200 \\ w = \! 59 \ , \ h = \! 34 \ , \ x = \! 41 \ , \ y = \! 62 \ , \ v = \! 2006 \\ w = \! 33 \ , \ h = \! 31 \ , \ x = \! 8 \ , \ y = \! 62 \ , \ v = \! 1023 \end{array}$$



$$\begin{array}{l} w = 79 \ , \ h = \! 100 \ , \ x = \! 21 \ , \ y = \! 0 \ , \ v = \! 7900 \\ w = \! 21 \ , \ h = \! 88 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 1848 \end{array}$$

$$\mathbf{w}$$
 =13 , h =10 , x =8 , y =88 , v =130

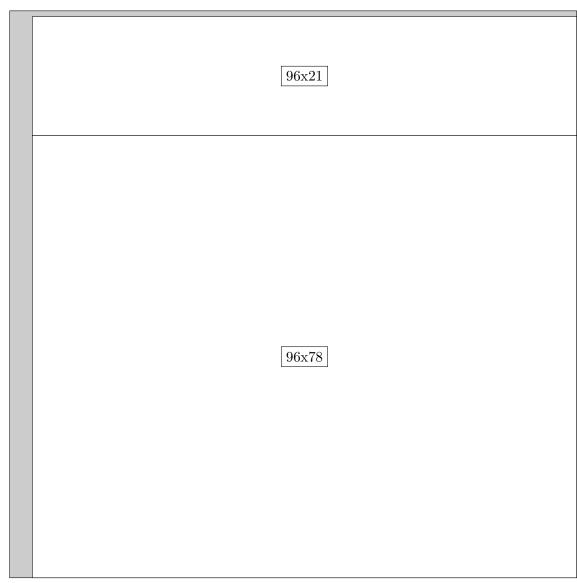


$$w = 49$$
,  $h = 42$ ,  $x = 51$ ,  $y = 0$ ,  $v = 2058$ 

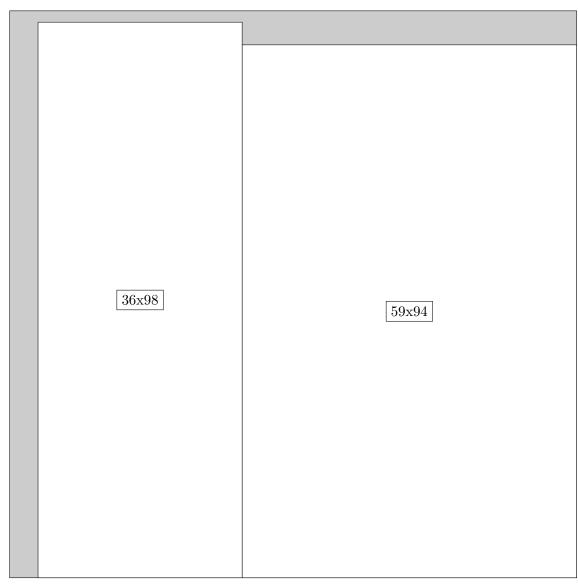
$$\le =48$$
 , h =48 , x =52 , y =42 , v =2304

$$\le =48$$
 ,  $h=59$  ,  $x=3$  ,  $y=0$  ,  $v=2832$ 

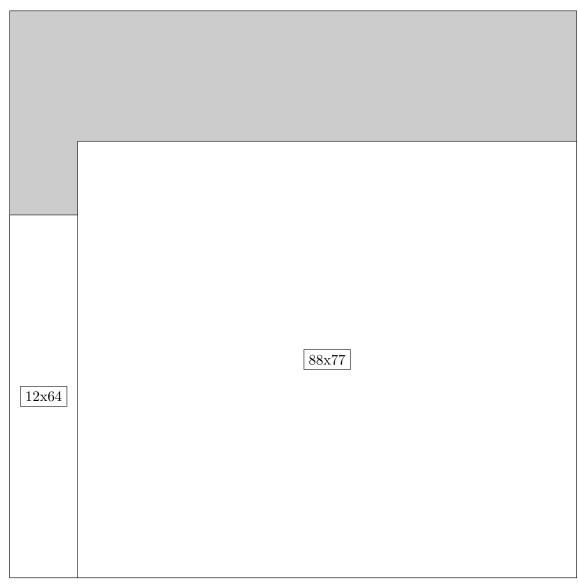
$$\mathbf{w}$$
 =40 , h =41 , x =11 , y =59 , v =1640



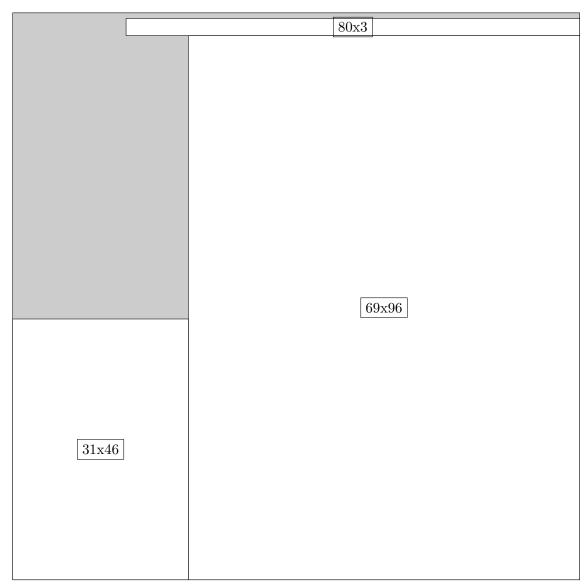
$$\begin{array}{l} w = \! 96 \ , \ h = \! 78 \ , \ x = \! 4 \ , \ y = \! 0 \ , \ v = \! 7488 \\ w = \! 96 \ , \ h = \! 21 \ , \ x = \! 4 \ , \ y = \! 78 \ , \ v = \! 2016 \end{array}$$



w = 59, h = 94, x = 41, y = 0, v = 5546 w = 36, h = 98, x = 5, y = 0, v = 3528



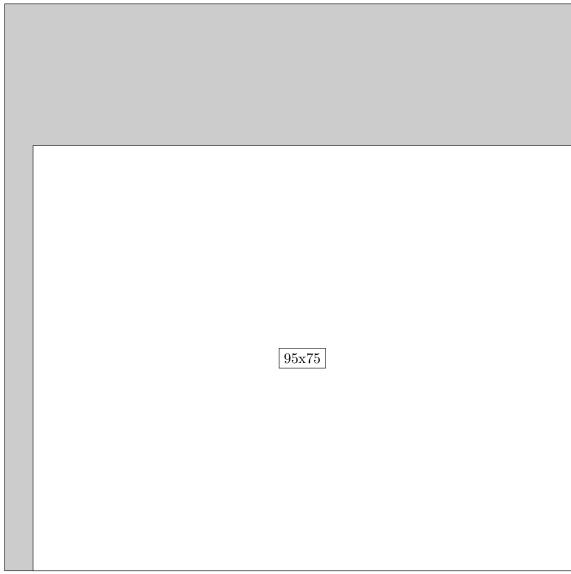
$$\begin{array}{l} w = \! 88 \ , \ h = \! 77 \ , \ x = \! 12 \ , \ y = \! 0 \ , \ v = \! 6776 \\ w = \! 12 \ , \ h = \! 64 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 768 \end{array}$$



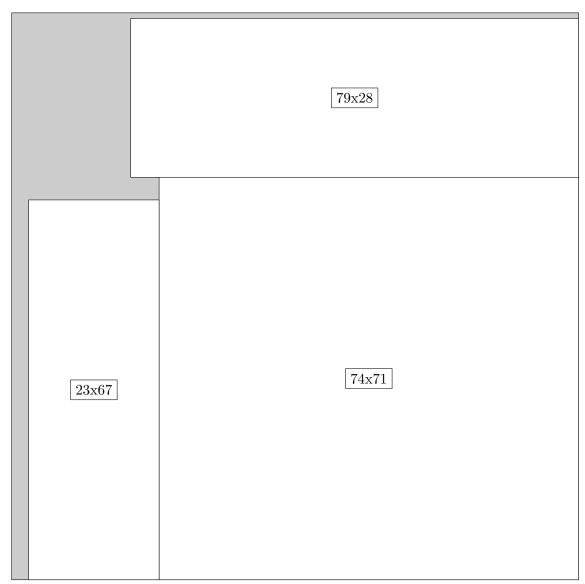
$$w = 69 \; , \; h = 96 \; , \; x = 31 \; , \; y = 0 \; , \; v = 6624 \;$$

$$\le =31$$
 , h =46 , x =0 , y =0 , v =1426

$$\le =80$$
 , h  $=3$  , x  $=20$  , y  $=96$  , v  $=240$ 



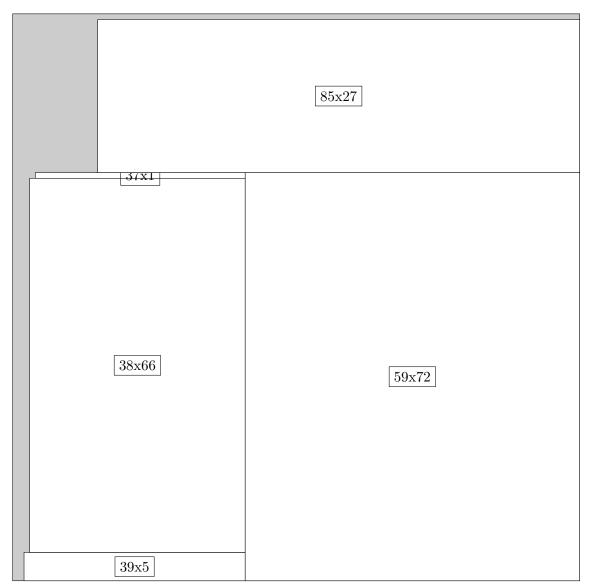
 $\le =95$  , h =75 , x =5 , y =0 , v =7125



$$\le =74$$
 , h =71 , x =26 , y =0 , v =5254

$$\le =23$$
 , h =67 , x =3 , y =0 , v =1541

$$\le =79$$
 , h =28 , x =21 , y =71 , v =2212



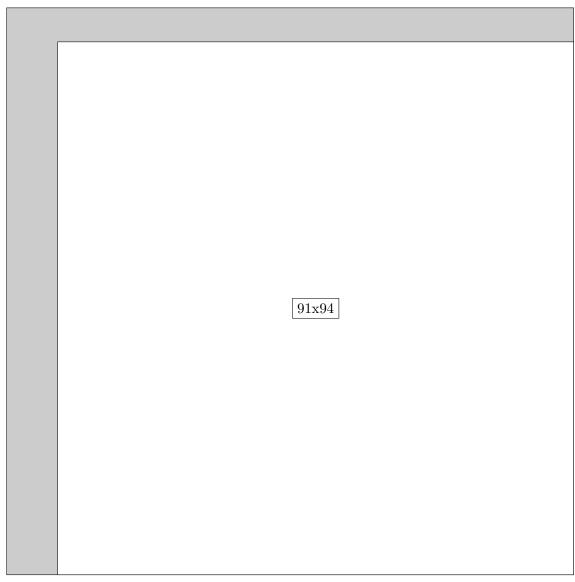
$$\le =59$$
 , h =72 , x =41 , y =0 , v =4248

$$\le =39$$
 , h =5 , x =2 , y =0 , v =195

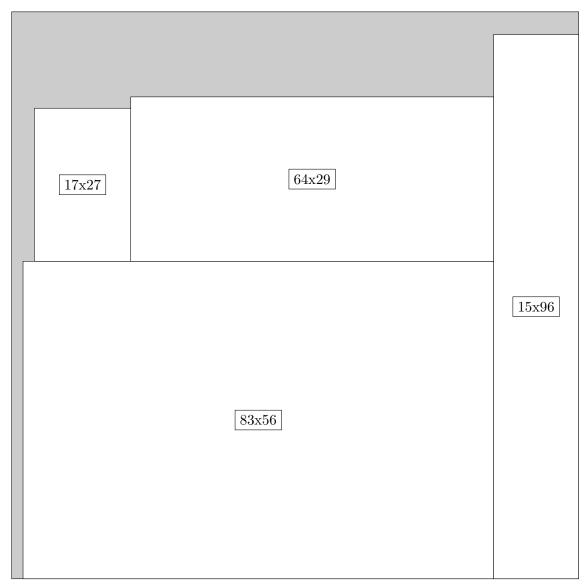
$$\le 38$$
 , h =  
66 , x =  
3 , y =  
5 , v =  
2508

$$\mathbf{w}$$
 =37 , h =1 , x =4 , y =71 , v =37

$$\le =85$$
 , h =27 , x =15 , y =72 , v =2295



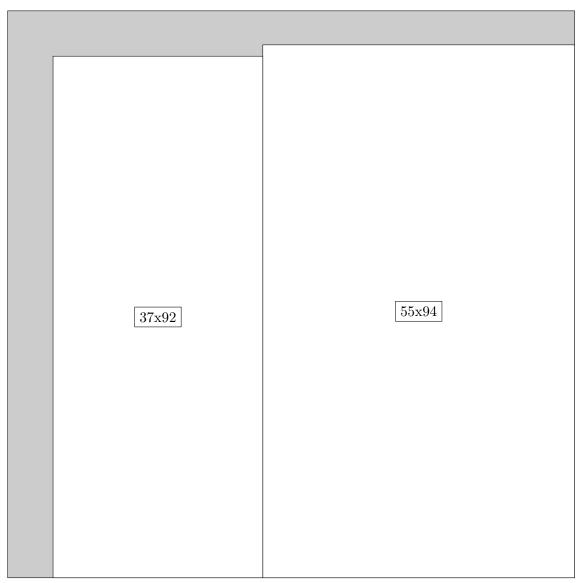
 $\le =91$  , h =94 , x =9 , y =0 , v =8554



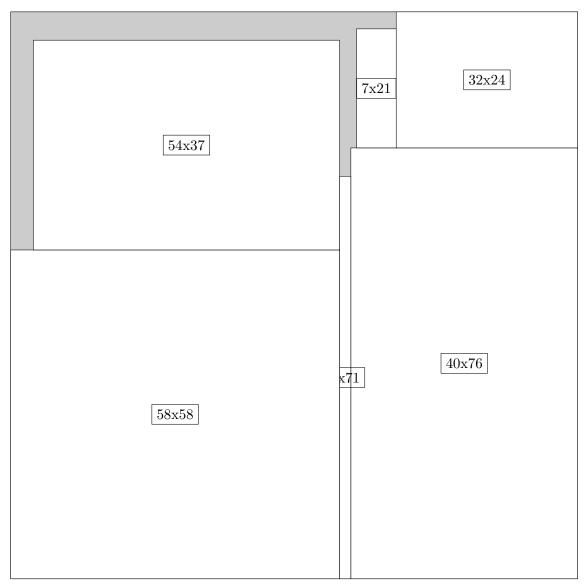
$$w$$
 =15 ,  $h$  =96 ,  $x$  =85 ,  $y$  =0 ,  $v$  =1440

$$\le =64$$
 , h =29 , x =21 , y =  
56 , v =1856

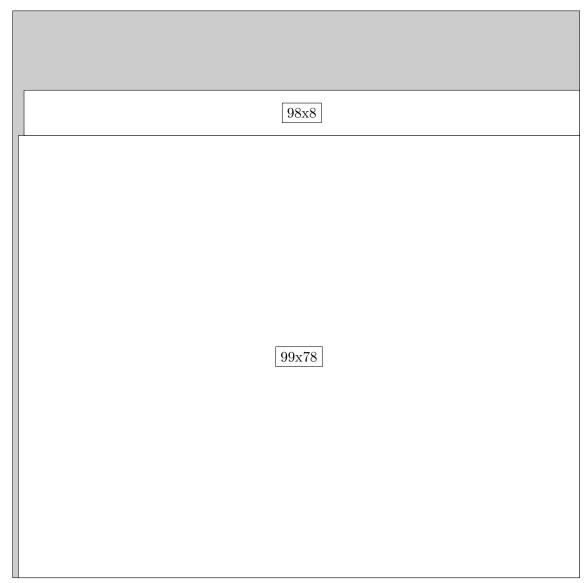
$$w$$
 =17 ,  $h$  =27 ,  $x$  =4 ,  $y$  =56 ,  $v$  =459



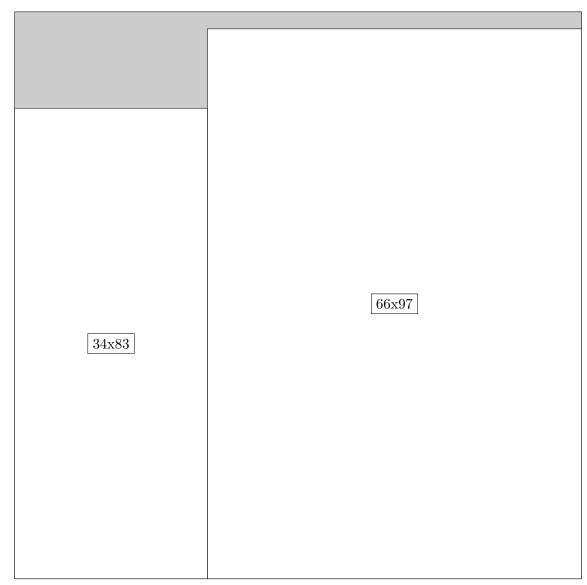
w = 55, h = 94, x = 45, y = 0, v = 5170 w = 37, h = 92, x = 8, y = 0, v = 3404

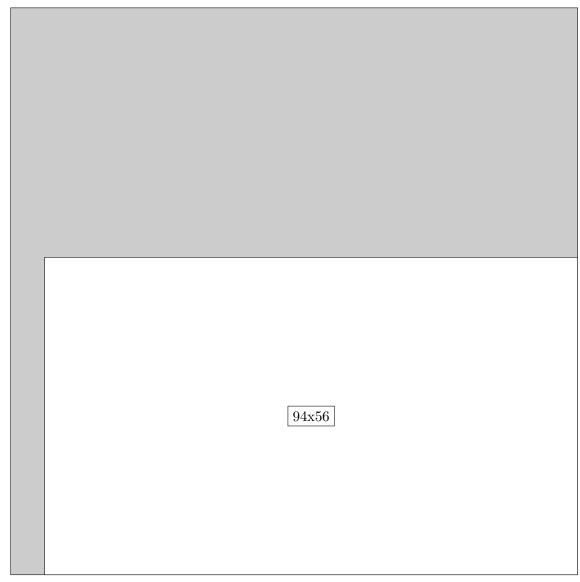


 $\begin{array}{l} w = \!\! 40 \;,\; h = \!\! 76 \;,\; x = \!\! 60 \;,\; y = \!\! 0 \;,\; v = \!\! 3040 \\ w = \!\! 2 \;,\; h = \!\! 71 \;,\; x = \!\! 58 \;,\; y = \!\! 0 \;,\; v = \!\! 142 \\ w = \!\! 32 \;,\; h = \!\! 24 \;,\; x = \!\! 68 \;,\; y = \!\! 76 \;,\; v = \!\! 768 \\ w = \!\! 7 \;,\; h = \!\! 21 \;,\; x = \!\! 61 \;,\; y = \!\! 76 \;,\; v = \!\! 147 \\ w = \!\! 58 \;,\; h = \!\! 58 \;,\; x = \!\! 0 \;,\; y = \!\! 0 \;,\; v = \!\! 3364 \\ w = \!\! 54 \;,\; h = \!\! 37 \;,\; x = \!\! 4 \;,\; y = \!\! 58 \;,\; v = \!\! 1998 \end{array}$ 

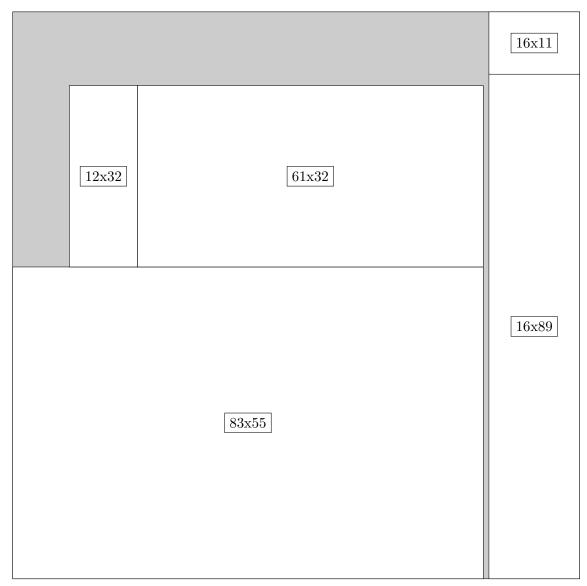


$$\begin{array}{l} w = 99 \ , \ h = 78 \ , \ x = 1 \ , \ y = 0 \ , \ v = 7722 \\ w = 98 \ , \ h = 8 \ , \ x = 2 \ , \ y = 78 \ , \ v = 784 \end{array}$$





 $\le =94$  , h = 56 , x = 6 , y = 0 , v = 5264



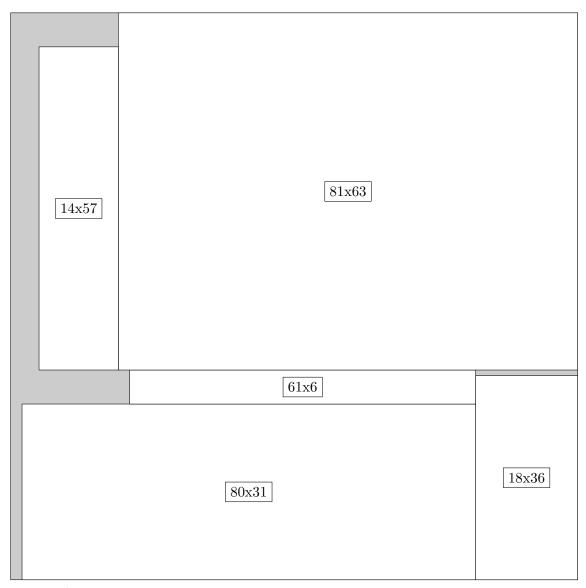
$$w = 16$$
,  $h = 89$ ,  $x = 84$ ,  $y = 0$ ,  $v = 1424$ 

$$\le =16$$
 ,  $h=11$  ,  $x=84$  ,  $y=89$  ,  $v=176$ 

$$\le =83$$
 ,  $h$  =55 ,  $x$  =0 ,  $y$  =0 ,  $v$  =4565

$$\le =61$$
 , h =32 , x =22 , y =55 , v =1952

$$w = 12$$
,  $h = 32$ ,  $x = 10$ ,  $y = 55$ ,  $v = 384$ 



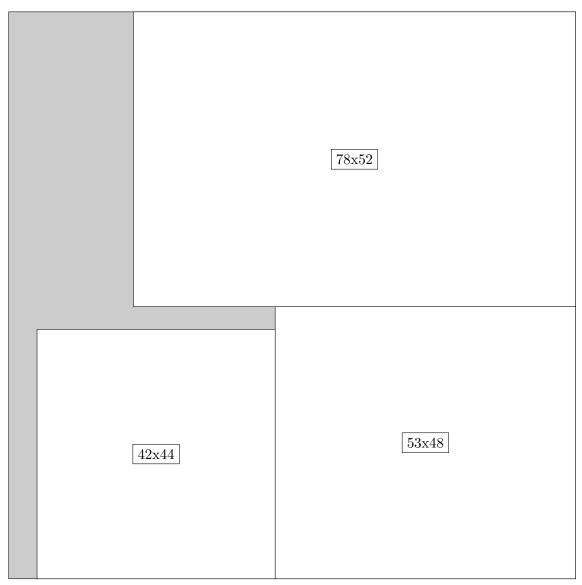
$$\le =18$$
 , h =36 , x =82 , y =0 , v =648

$$w$$
 =80 ,  $h$  =31 ,  $x$  =2 ,  $y$  =0 ,  $v$  =2480

$$\le =61$$
 , h =6 , x =21 , y =31 , v =366

$$\le =81$$
 ,  $h=63$  ,  $x=19$  ,  $y=37$  ,  $v=5103$ 

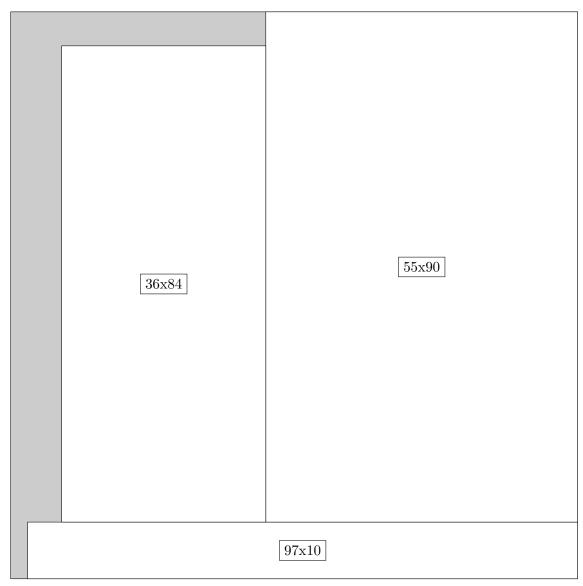
$$w = 14$$
,  $h = 57$ ,  $x = 5$ ,  $y = 37$ ,  $v = 798$ 



$$w = 53$$
,  $h = 48$ ,  $x = 47$ ,  $y = 0$ ,  $v = 2544$ 

$$\mathbf{w}$$
 =42 , h =44 , x =5 , y =0 , v =1848

$$\le -78$$
 , h =  
52 , x =  
22 , y =  
48 , v =  
4056

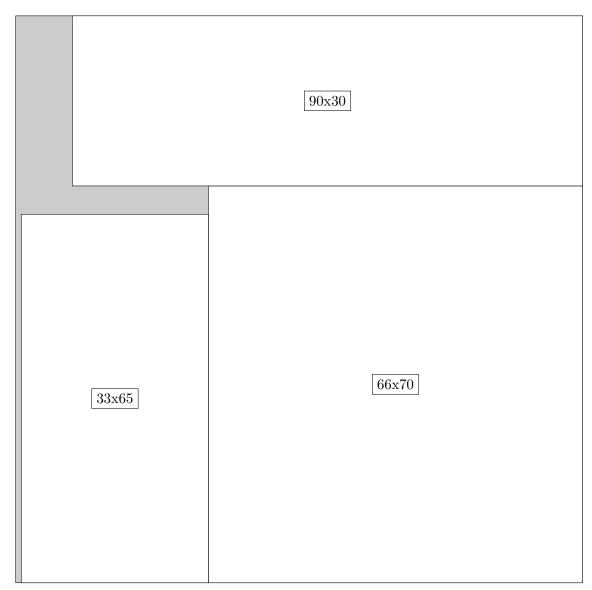


$$w = 97$$
,  $h = 10$ ,  $x = 3$ ,  $y = 0$ ,  $v = 970$ 

$$w$$
 =55 ,  $h$  =90 ,  $x$  =45 ,  $y$  =10 ,  $v$  =4950

$$\le =36$$
 , h =84 , x =9 , y =10 , v =3024

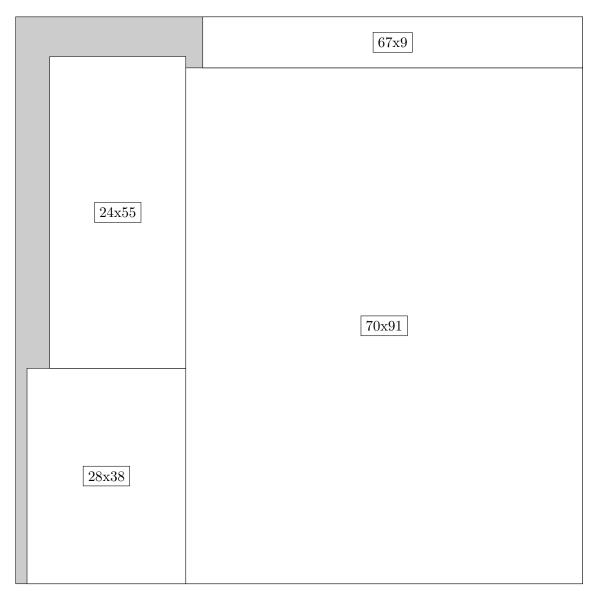




$$w = 66$$
,  $h = 70$ ,  $x = 34$ ,  $y = 0$ ,  $v = 4620$ 

$$\le =33$$
 , h =65 , x =1 , y =0 , v =2145

$$\le =90$$
 , h =30 , x =10 , y =70 , v =2700

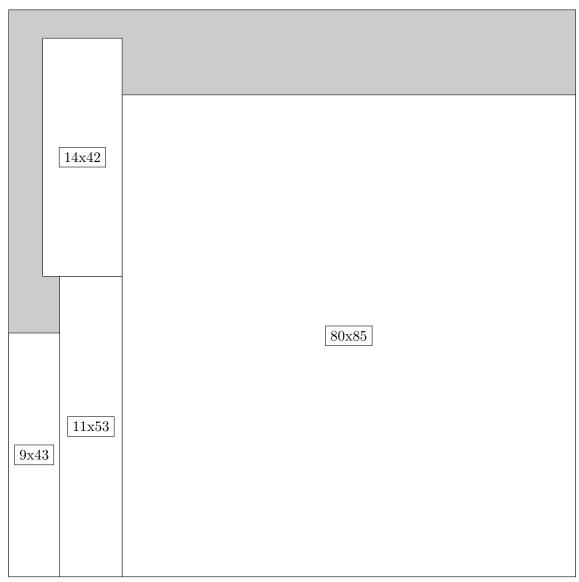


$$w$$
 =70 ,  $h$  =91 ,  $x$  =30 ,  $y$  =0 ,  $v$  =6370

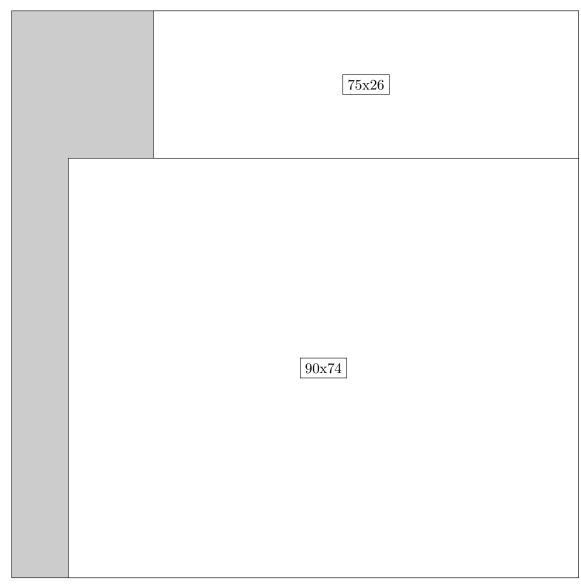
$$w = 67$$
,  $h = 9$ ,  $x = 33$ ,  $y = 91$ ,  $v = 603$ 

$$\le =28$$
 , h =38 , x =2 , y =0 , v =1064

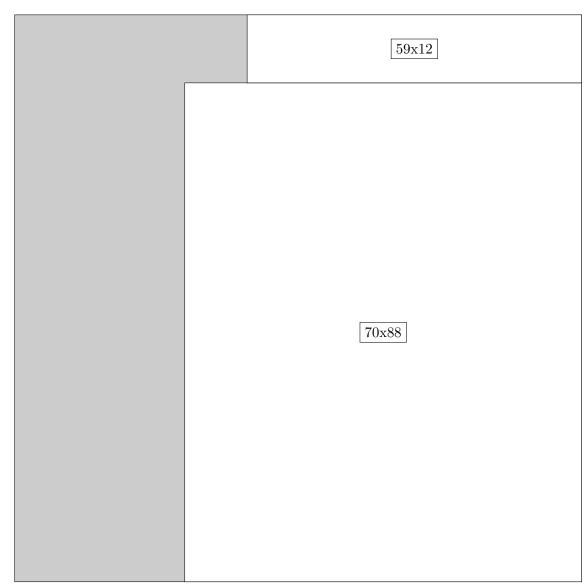
$$\le =24$$
 , h =55 , x =6 , y =38 , v =1320



$$\begin{array}{l} w = \!\!80 \;,\; h = \!\!85 \;,\; x = \!\!20 \;,\; y = \!\!0 \;,\; v = \!\!6800 \\ w = \!\!11 \;,\; h = \!\!53 \;,\; x = \!\!9 \;,\; y = \!\!0 \;,\; v = \!\!583 \\ w = \!\!9 \;,\; h = \!\!43 \;,\; x = \!\!0 \;,\; y = \!\!0 \;,\; v = \!\!387 \\ w = \!\!14 \;,\; h = \!\!42 \;,\; x = \!\!6 \;,\; y = \!\!53 \;,\; v = \!\!588 \end{array}$$



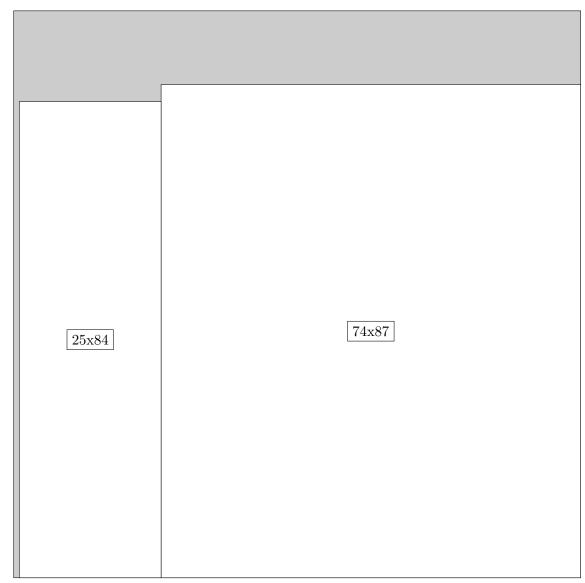
$$\begin{array}{l} w = \! 90 \ , \ h = \! 74 \ , \ x = \! 10 \ , \ y = \! 0 \ , \ v = \! 6660 \\ w = \! 75 \ , \ h = \! 26 \ , \ x = \! 25 \ , \ y = \! 74 \ , \ v = \! 1950 \end{array}$$



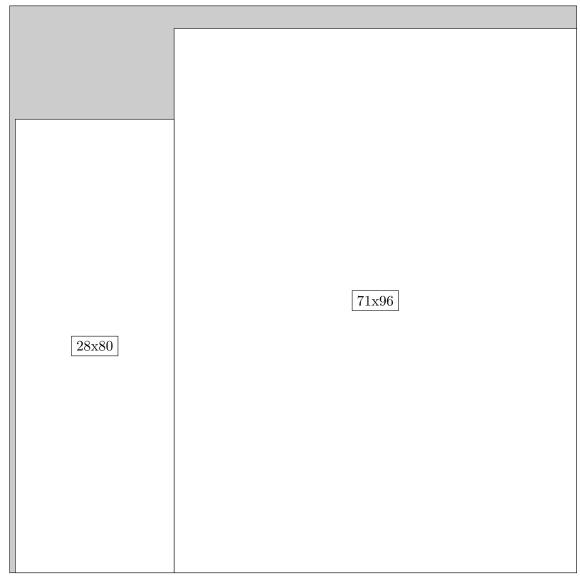
$$\begin{array}{l} w = \! 70 \ , \ h = \! 88 \ , \ x = \! 30 \ , \ y = \! 0 \ , \ v = \! 6160 \\ w = \! 59 \ , \ h = \! 12 \ , \ x = \! 41 \ , \ y = \! 88 \ , \ v = \! 708 \end{array}$$

5x11	$95\mathrm{x}28$
16x72	84x72

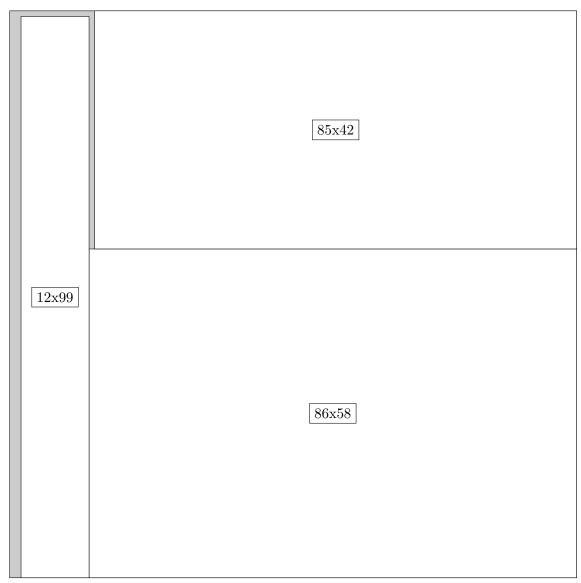
$$\begin{array}{l} w = \! 84 \ , \ h = \! 72 \ , \ x = \! 16 \ , \ y = \! 0 \ , \ v = \! 6048 \\ w = \! 16 \ , \ h = \! 72 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 1152 \\ w = \! 95 \ , \ h = \! 28 \ , \ x = \! 5 \ , \ y = \! 72 \ , \ v = \! 2660 \\ w = \! 5 \ , \ h = \! 11 \ , \ x = \! 0 \ , \ y = \! 72 \ , \ v = \! 55 \end{array}$$



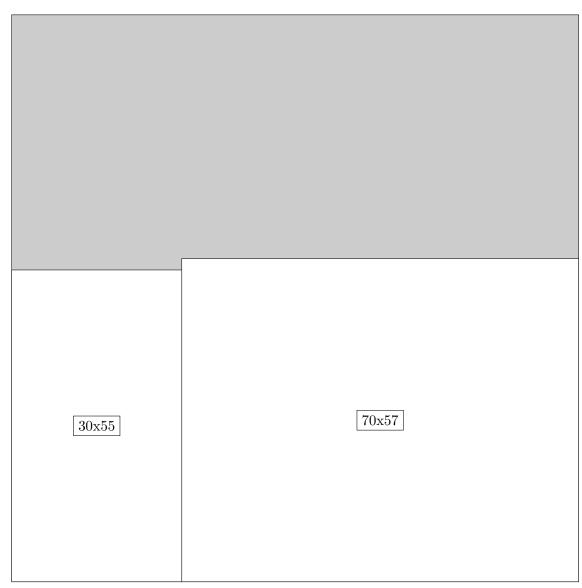
$$\begin{array}{l} w = \! 74 \ , \ h = \! 87 \ , \ x = \! 26 \ , \ y = \! 0 \ , \ v = \! 6438 \\ w = \! 25 \ , \ h = \! 84 \ , \ x = \! 1 \ , \ y = \! 0 \ , \ v = \! 2100 \end{array}$$



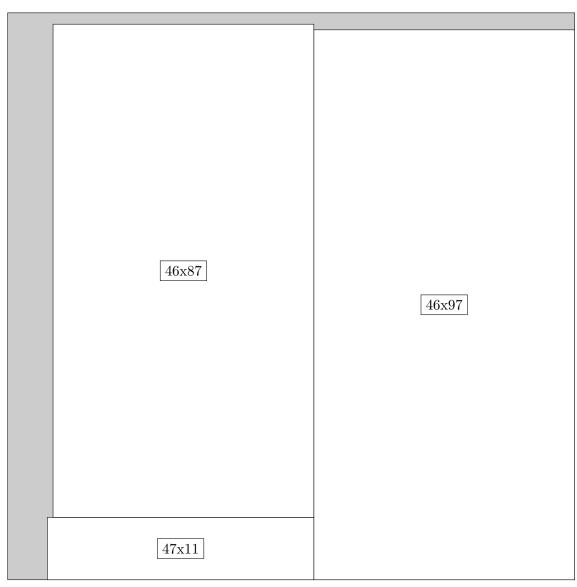
$$\begin{array}{l} w = \! 71 \ , \ h = \! 96 \ , \ x = \! 29 \ , \ y = \! 0 \ , \ v = \! 6816 \\ w = \! 28 \ , \ h = \! 80 \ , \ x = \! 1 \ , \ y = \! 0 \ , \ v = \! 2240 \end{array}$$



$$\begin{array}{l} w = \! 86 \ , \ h = \! 58 \ , \ x = \! 14 \ , \ y = \! 0 \ , \ v = \! 4988 \\ w = \! 85 \ , \ h = \! 42 \ , \ x = \! 15 \ , \ y = \! 58 \ , \ v = \! 3570 \\ w = \! 12 \ , \ h = \! 99 \ , \ x = \! 2 \ , \ y = \! 0 \ , \ v = \! 1188 \end{array}$$



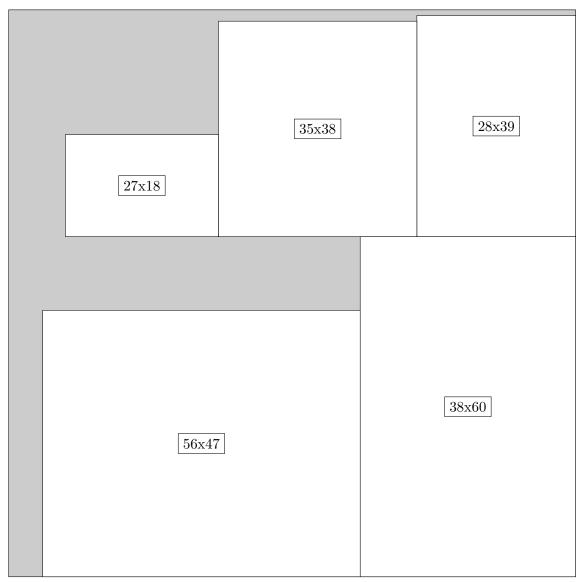
$$\begin{array}{l} w = \! 70 \ , \ h = \! 57 \ , \ x = \! 30 \ , \ y = \! 0 \ , \ v = \! 3990 \\ w = \! 30 \ , \ h = \! 55 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 1650 \end{array}$$



$$\mathbf{w}$$
 =46 , h =97 , x =54 , y =0 , v =4462

$$\le =47$$
 ,  $h=\!11$  ,  $x=\!7$  ,  $y=\!0$  ,  $v=\!517$ 

$$\le =46$$
 ,  $h=87$  ,  $x=8$  ,  $y=11$  ,  $v=4002$ 



$$w = 38$$
,  $h = 60$ ,  $x = 62$ ,  $y = 0$ ,  $v = 2280$ 

$$\le =56$$
 ,  $h=47$  ,  $x=6$  ,  $y=0$  ,  $v=2632$ 

$$\le =28$$
 , h =39 , x =72 , y =60 , v =1092

$$\le =35$$
 , h =38 , x =37 , y =60 , v =1330

$$\le =27$$
 , h =18 , x =10 , y =60 , v =486