$ClassName: \ Class\_05.2bp-49$ 

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

TypeNum: <u>100</u> Num: <u>100</u> OutS: <u>350000</u> InS: <u>292519</u> Rate: <u>0.836</u> UB: <u>35</u> LB0: <u>35</u>

LB:  $\underline{35}$ LBWithCut:  $\underline{35}$ NodeCut:  $\underline{0}$ 

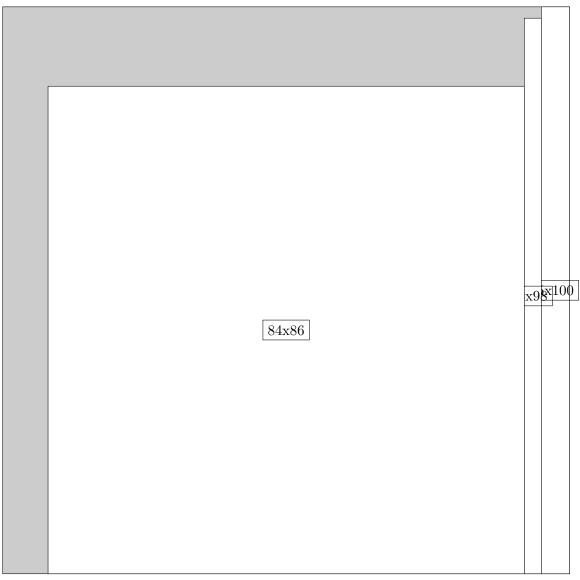
ExtendedNodeCnt:  $\underline{\mathbf{1}}$ 

GenNodeCnt:  $\underline{\mathbf{1}}$ PrimalNode:  $\underline{\mathbf{0}}$ ColumnCount:  $\underline{\mathbf{35}}$ TotalCutCount:  $\underline{\mathbf{0}}$ RootCutCount:  $\underline{\mathbf{0}}$ LPSolverCnt:  $\underline{\mathbf{1}}$ PricingSolverCnt:  $\underline{\mathbf{0}}$ BranchAndBoundNum:  $\underline{\mathbf{1}}$ 

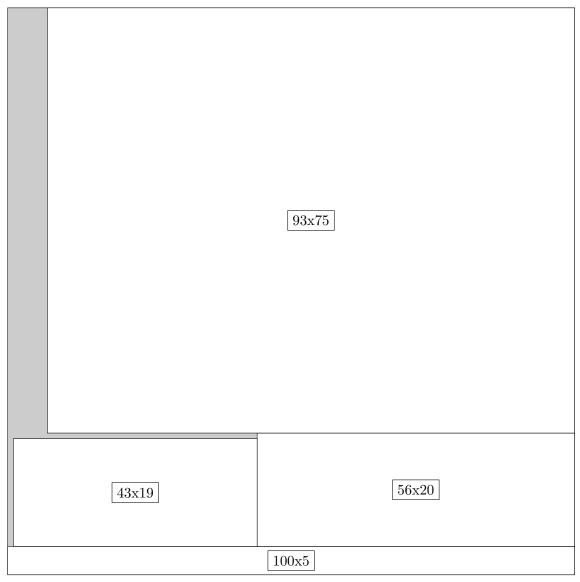
isOpt:  $\underline{\mathbf{true}}$ 

TimeOnInitSolution:  $\underline{600.000 \text{ s}}$ 

TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.063 sTotalTime: 600.406 s



 $\begin{array}{l} w=5 \ , \ h=100 \ , \ x=95 \ , \ y=0 \ , \ v=500 \\ w=3 \ , \ h=98 \ , \ x=92 \ , \ y=0 \ , \ v=294 \\ w=84 \ , \ h=86 \ , \ x=8 \ , \ y=0 \ , \ v=7224 \end{array}$ 

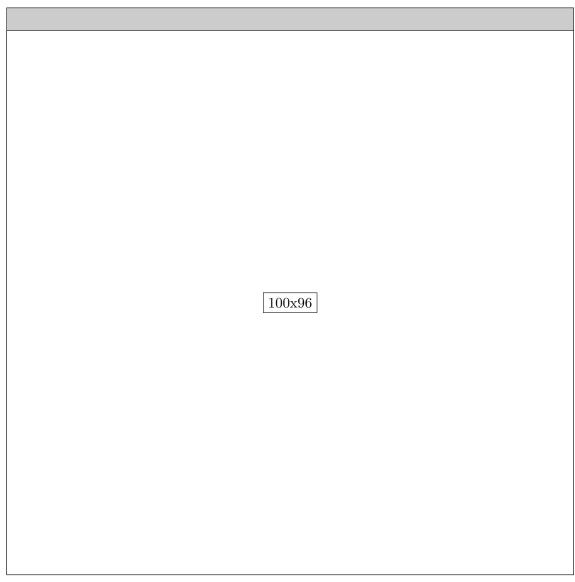


$$w = 100$$
,  $h = 5$ ,  $x = 0$ ,  $y = 0$ ,  $v = 500$ 

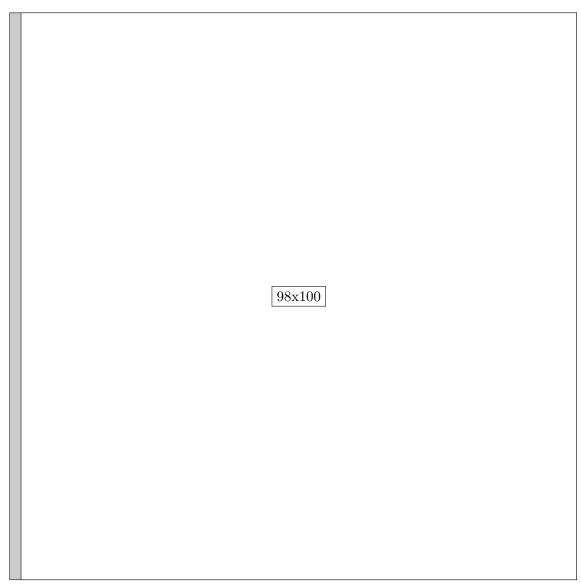
$$w = 56$$
,  $h = 20$ ,  $x = 44$ ,  $y = 5$ ,  $v = 1120$ 

$$\le =43$$
 , h =19 , x =1 , y =5 , v =817

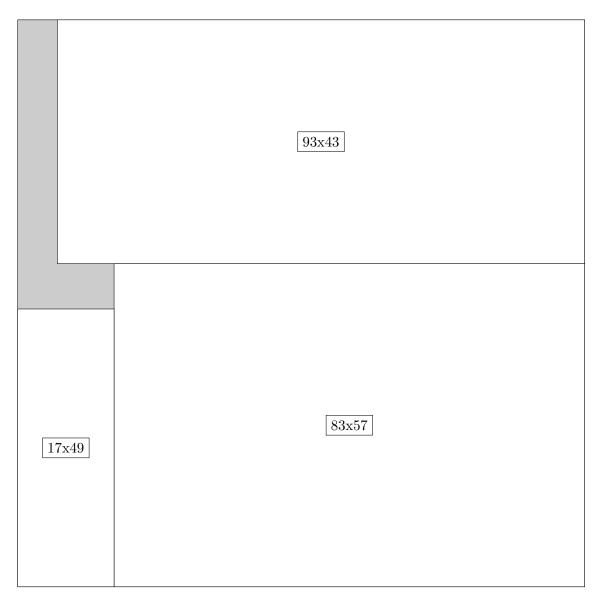
$$\le =93$$
 ,  $h=75$  ,  $x=7$  ,  $y=25$  ,  $v=6975$ 



 $\le =100$  , h =96 , x =0 , y =0 , v =9600



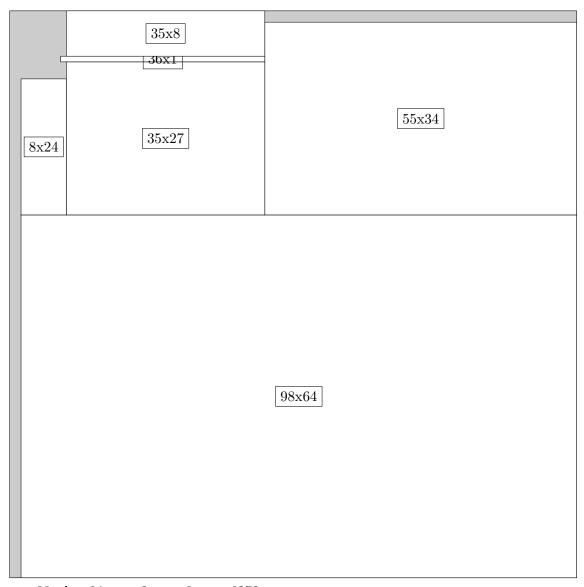
 $\le =98$  , h =100 , x =2 , y =0 , v =9800



$$w = 83$$
,  $h = 57$ ,  $x = 17$ ,  $y = 0$ ,  $v = 4731$ 

$$\le =17$$
 , h =49 , x =0 , y =0 , v =833

$$\le =93$$
 , h =43 , x =7 , y =57 , v =3999

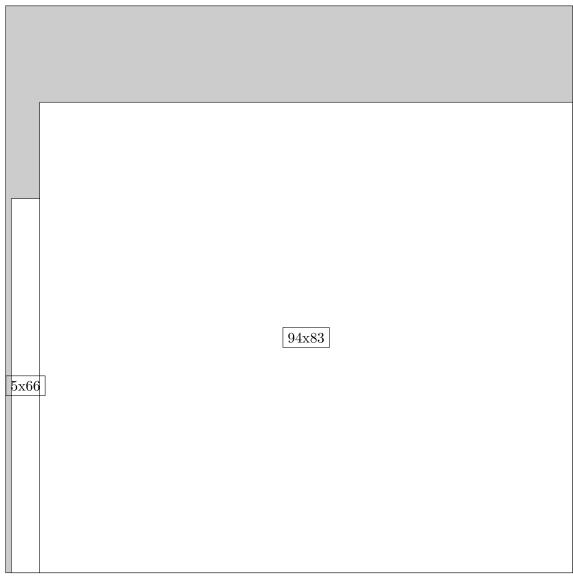


$$\begin{array}{l} w = \! 98 \ , \ h = \! 64 \ , \ x = \! 2 \ , \ y = \! 0 \ , \ v = \! 6272 \\ w = \! 55 \ , \ h = \! 34 \ , \ x = \! 45 \ , \ y = \! 64 \ , \ v = \! 1870 \end{array}$$

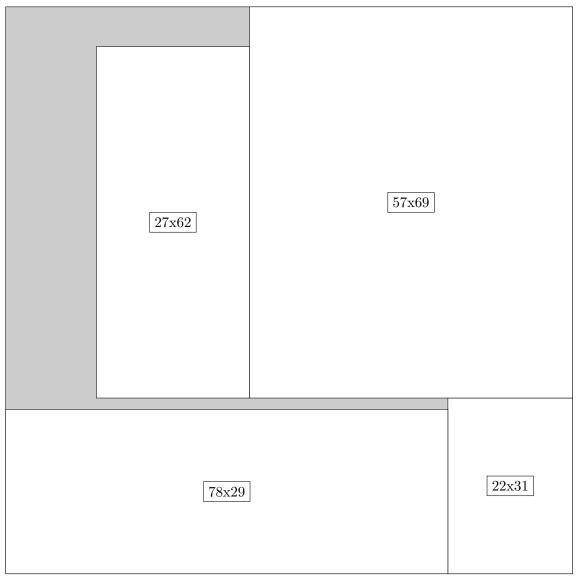
$$\le =8$$
 , h =24 , x =2 , y =64 , v =192

$$w = 36$$
,  $h = 1$ ,  $x = 9$ ,  $y = 91$ ,  $v = 36$ 

$$w = 35$$
,  $h = 8$ ,  $x = 10$ ,  $y = 92$ ,  $v = 280$ 



 $\begin{array}{l} w = \! 94 \; , \; h = \! 83 \; , \; x = \! 6 \; , \; y = \! 0 \; , \; v = \! 7802 \\ w = \! 5 \; , \; h = \! 66 \; , \; x = \! 1 \; , \; y = \! 0 \; , \; v = \! 330 \end{array}$ 

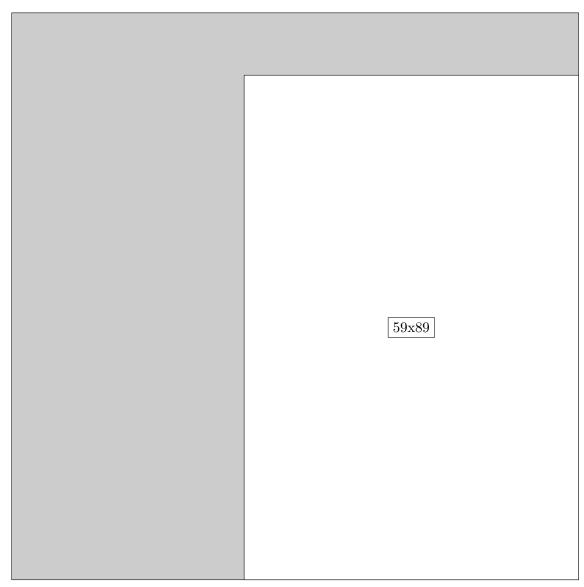


$$\le =22$$
 , h =31 , x =78 , y =0 , v =682

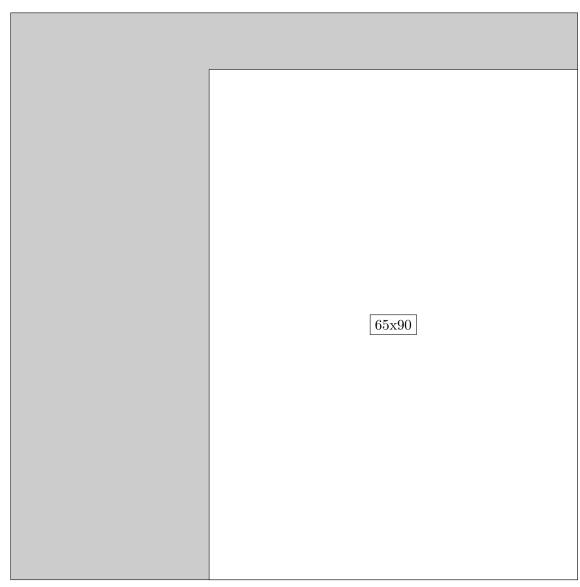
$$\le -78$$
 , h =29 , x =0 , y =0 , v =2262

$$\le =57$$
 , h =69 , x =43 , y =31 , v =3933

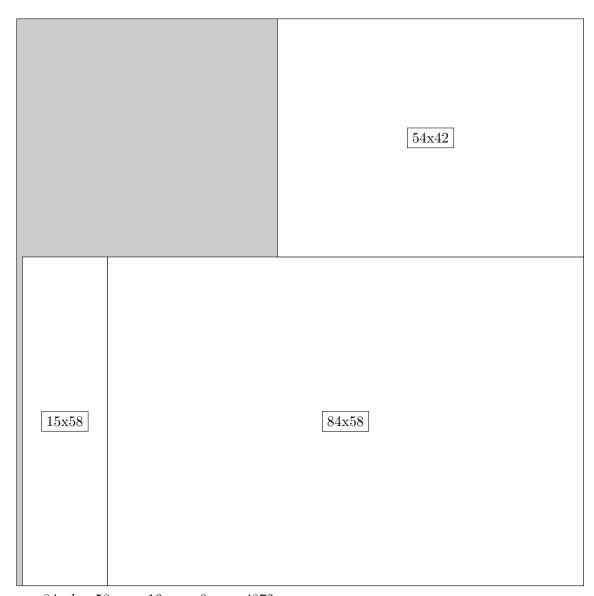
$$w$$
 =27 , h =62 , x =16 , y =31 , v =1674



 $\le =59$  , h =89 , x =41 , y =0 , v =5251



 $\le =65$  , h =90 , x =35 , y =0 , v =5850

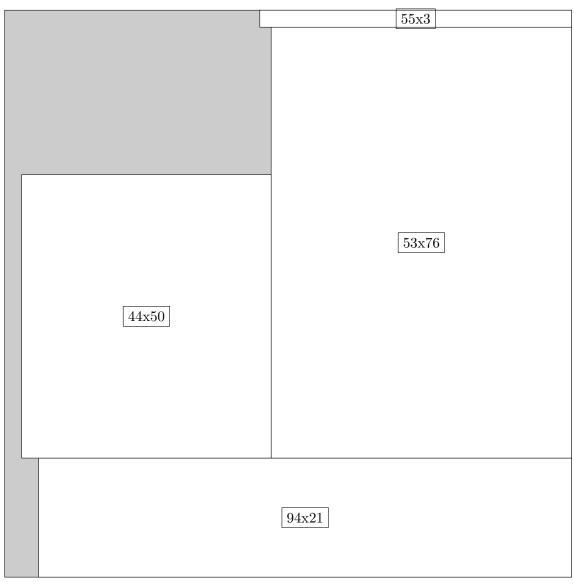


 $\begin{array}{l} w = \! 84 \ , \ h = \! 58 \ , \ x = \! 16 \ , \ y = \! 0 \ , \ v = \! 4872 \\ w = \! 15 \ , \ h = \! 58 \ , \ x = \! 1 \ , \ y = \! 0 \ , \ v = \! 870 \\ \end{array}$ 

 $w=\!54$  ,  $h=\!42$  ,  $x=\!46$  ,  $y=\!58$  ,  $v=\!2268$ 



$$\begin{array}{l} w = \! 81 \ , \ h = \! 34 \ , \ x = \! 19 \ , \ y = \! 0 \ , \ v = \! 2754 \\ w = \! 80 \ , \ h = \! 63 \ , \ x = \! 20 \ , \ y = \! 34 \ , \ v = \! 5040 \end{array}$$

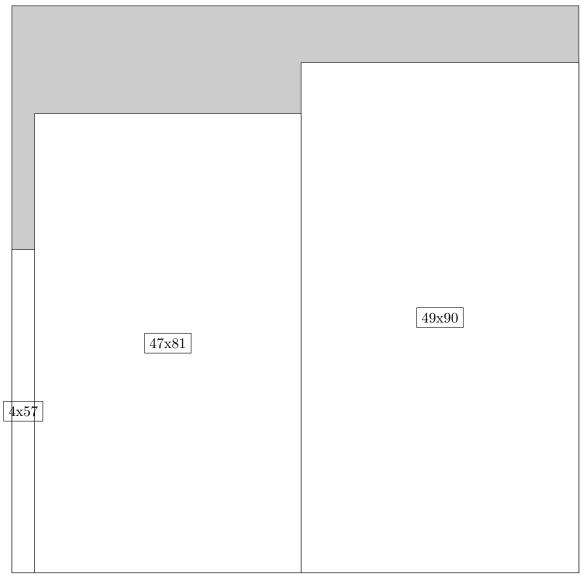


$$\le =94$$
 , h =21 , x =6 , y =0 , v =1974

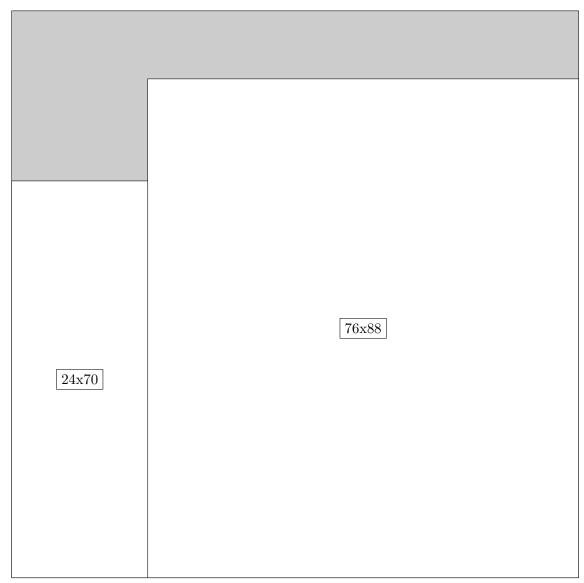
$$\le =53$$
 , h =76 , x =47 , y =21 , v =4028

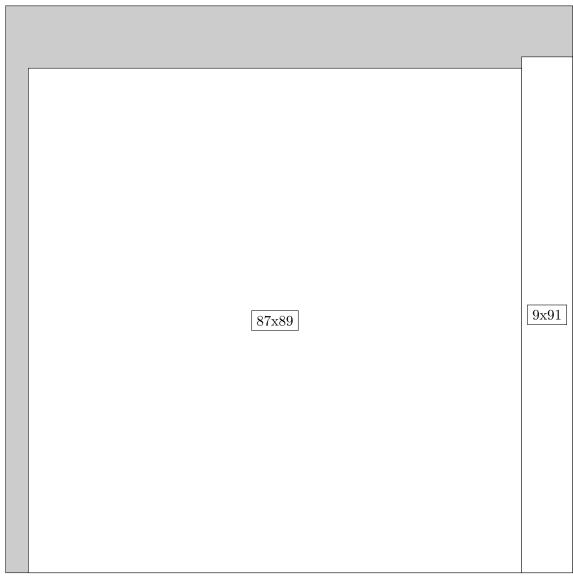
$$\le =44$$
 , h =50 , x =3 , y =21 , v =2200

$$\le =55$$
 , h =3 , x =45 , y =97 , v =165

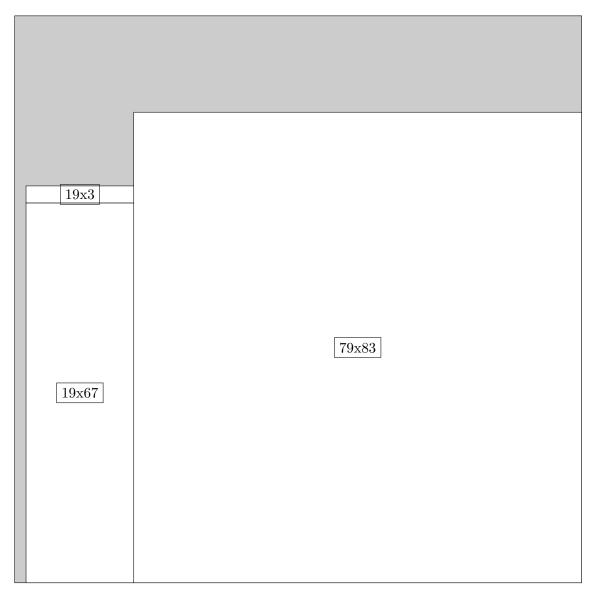


 $\begin{array}{l} w = \! 49 \ , \ h = \! 90 \ , \ x = \! 51 \ , \ y = \! 0 \ , \ v = \! 4410 \\ w = \! 47 \ , \ h = \! 81 \ , \ x = \! 4 \ , \ y = \! 0 \ , \ v = \! 3807 \\ w = \! 4 \ , \ h = \! 57 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 228 \end{array}$ 

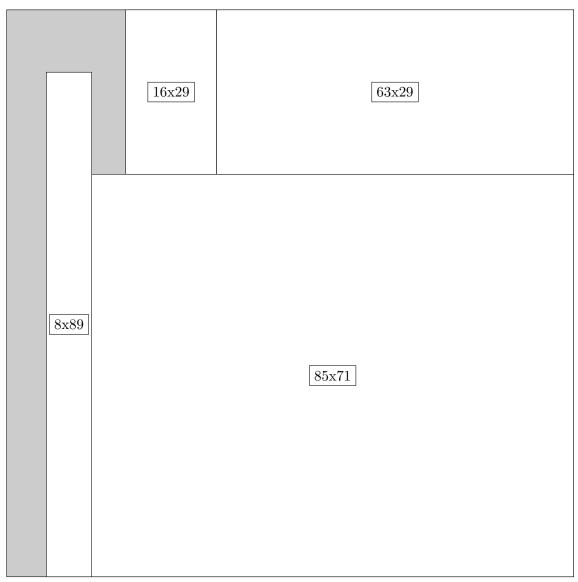




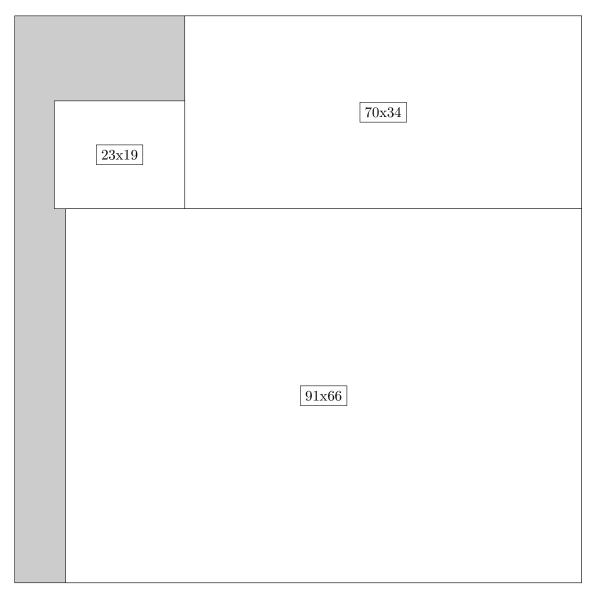
$$\begin{array}{l} w = 9 \ , \ h = \! 91 \ , \ x = \! 91 \ , \ y = \! 0 \ , \ v = \! 819 \\ w = \! 87 \ , \ h = \! 89 \ , \ x = \! 4 \ , \ y = \! 0 \ , \ v = \! 7743 \end{array}$$



$$\begin{array}{l} w = 79 \ , \ h = 83 \ , \ x = 21 \ , \ y = 0 \ , \ v = 6557 \\ w = 19 \ , \ h = 67 \ , \ x = 2 \ , \ y = 0 \ , \ v = 1273 \\ w = 19 \ , \ h = 3 \ , \ x = 2 \ , \ y = 67 \ , \ v = 57 \end{array}$$



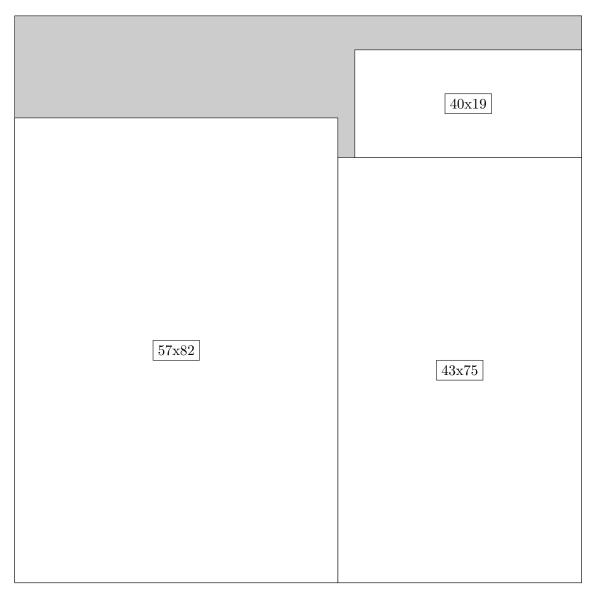
 $\begin{array}{l} w = & 85 \ , \ h = & 71 \ , \ x = & 15 \ , \ y = & 0 \ , \ v = & 6035 \\ w = & 63 \ , \ h = & 29 \ , \ x = & 37 \ , \ y = & 71 \ , \ v = & 1827 \\ w = & 16 \ , \ h = & 29 \ , \ x = & 21 \ , \ y = & 71 \ , \ v = & 464 \\ w = & 8 \ , \ h = & 89 \ , \ x = & 7 \ , \ y = & 0 \ , \ v = & 712 \end{array}$ 



$$w = 91$$
,  $h = 66$ ,  $x = 9$ ,  $y = 0$ ,  $v = 6006$ 

$$w$$
 =70 , h =34 , x =30 , y =66 , v =2380

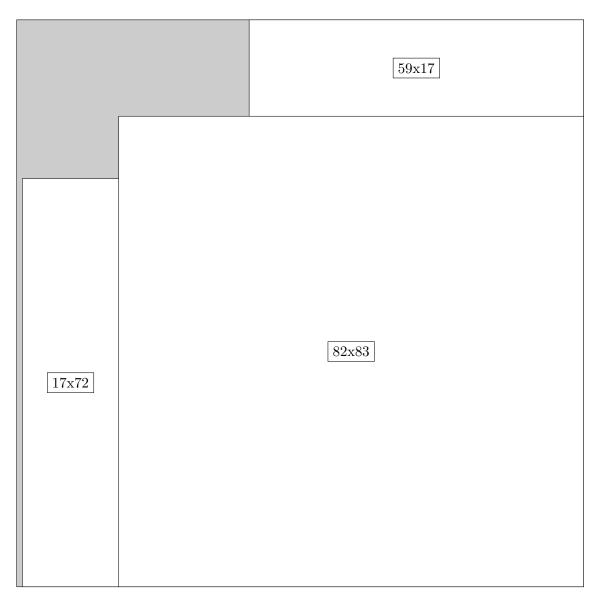
$$\le =23$$
 , h =19 , x =7 , y =66 , v =437



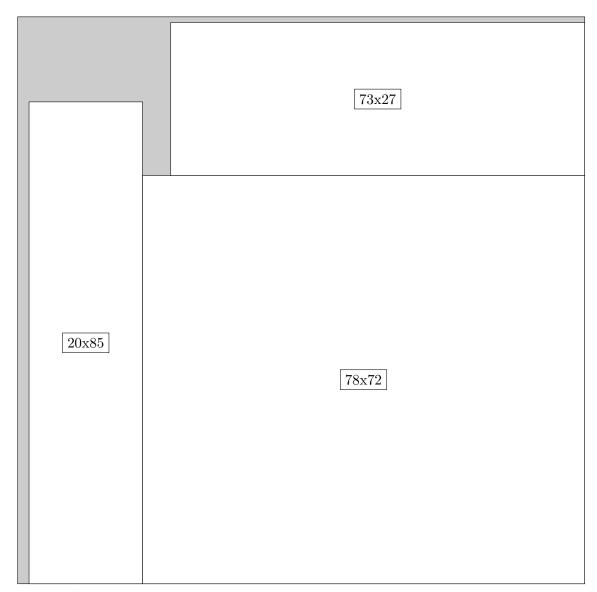
$$w = 43$$
,  $h = 75$ ,  $x = 57$ ,  $y = 0$ ,  $v = 3225$ 

$$\le =40$$
 ,  $h=19$  ,  $x=60$  ,  $y=75$  ,  $v=760$ 

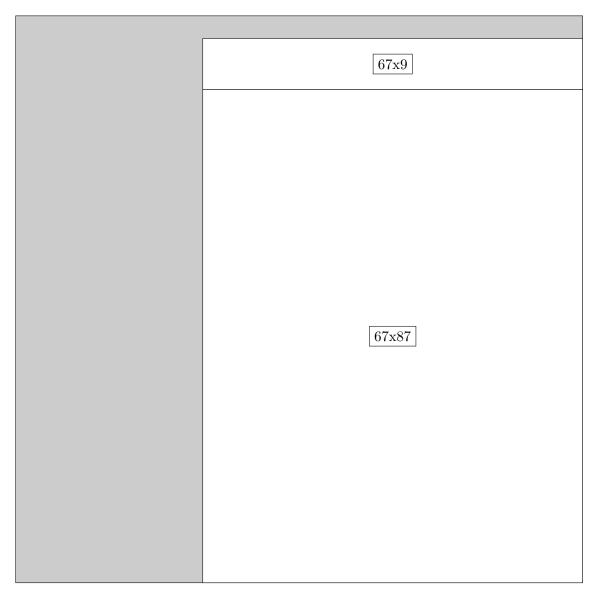
$$\le =57$$
 , h =82 , x =0 , y =0 , v =4674



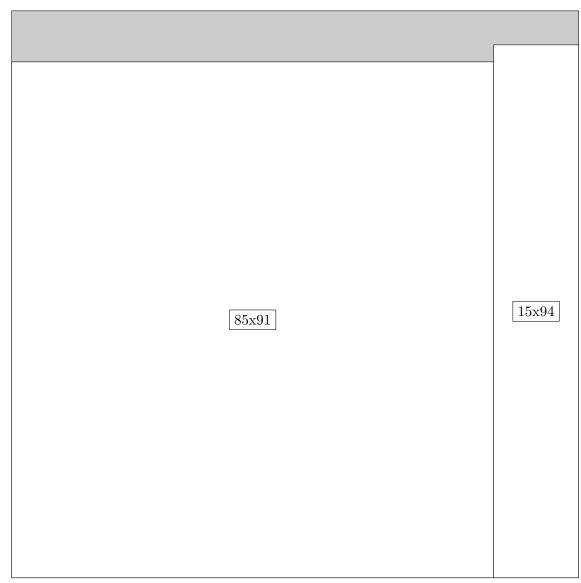
$$\begin{array}{l} w = \! 82 \; , \; h = \! 83 \; , \; x = \! 18 \; , \; y = \! 0 \; , \; v = \! 6806 \\ w = \! 59 \; , \; h = \! 17 \; , \; x = \! 41 \; , \; y = \! 83 \; , \; v = \! 1003 \\ w = \! 17 \; , \; h = \! 72 \; , \; x = \! 1 \; , \; y = \! 0 \; , \; v = \! 1224 \end{array}$$



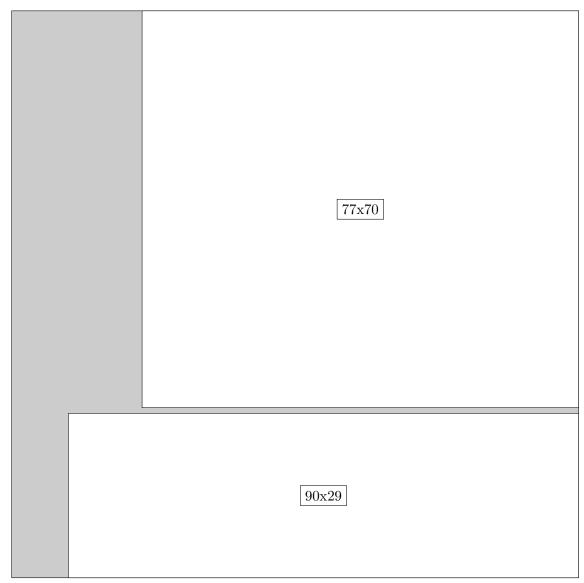
$$\begin{array}{l} w = \!\!\! 78 \ , \ h = \!\!\! 72 \ , \ x = \!\!\! 22 \ , \ y = \!\!\! 0 \ , \ v = \!\!\! 5616 \\ w = \!\!\! 73 \ , \ h = \!\!\! 27 \ , \ x = \!\!\! 27 \ , \ y = \!\!\! 72 \ , \ v = \!\!\! 1971 \\ w = \!\!\! 20 \ , \ h = \!\!\! 85 \ , \ x = \!\!\! 2 \ , \ y = \!\!\! 0 \ , \ v = \!\!\! 1700 \end{array}$$



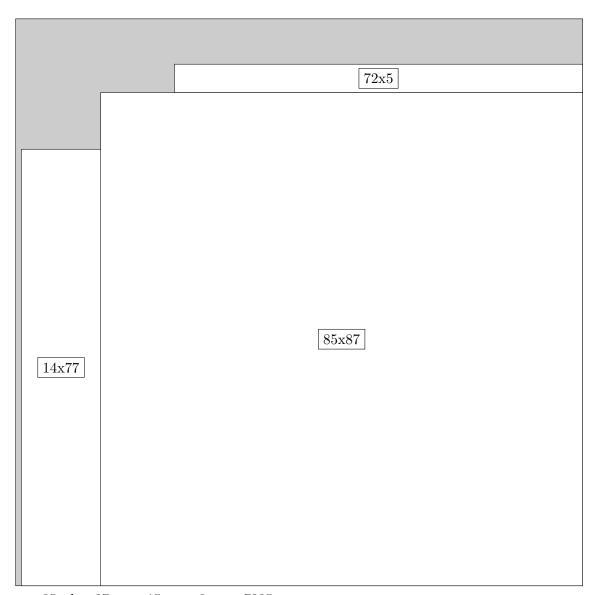
$$\begin{array}{l} w = \! 67 \ , \ h = \! 87 \ , \ x = \! 33 \ , \ y = \! 0 \ , \ v = \! 5829 \\ w = \! 67 \ , \ h = \! 9 \ , \ x = \! 33 \ , \ y = \! 87 \ , \ v = \! 603 \end{array}$$



$$\begin{array}{l} w = \! 15 \ , \ h = \! 94 \ , \ x = \! 85 \ , \ y = \! 0 \ , \ v = \! 1410 \\ w = \! 85 \ , \ h = \! 91 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 7735 \end{array}$$

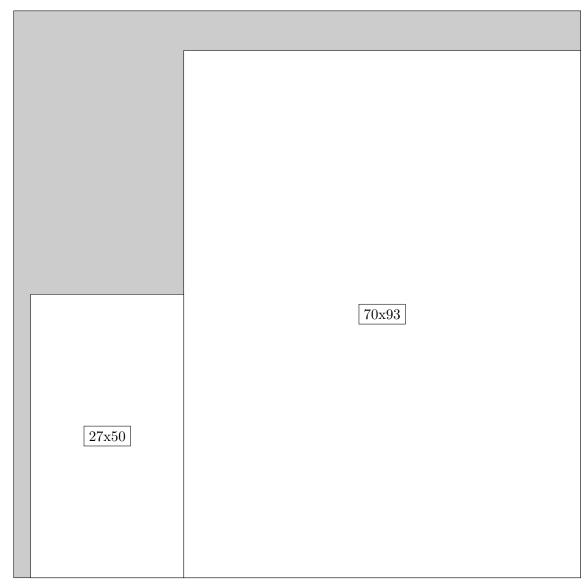


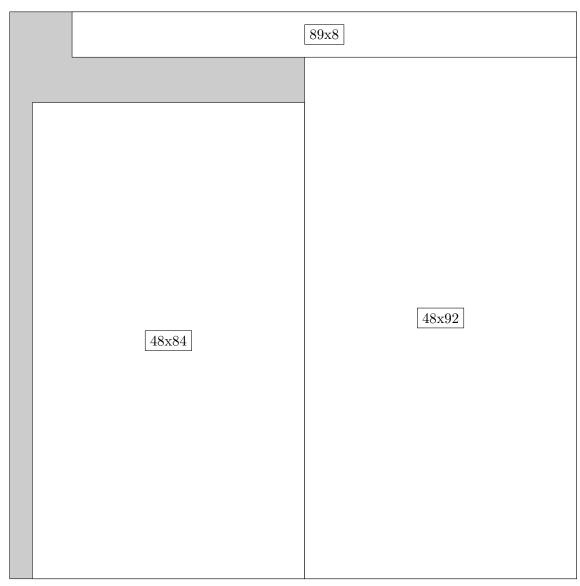
$$\begin{array}{l} w = \! 90 \ , \ h = \! 29 \ , \ x = \! 10 \ , \ y = \! 0 \ , \ v = \! 2610 \\ w = \! 77 \ , \ h = \! 70 \ , \ x = \! 23 \ , \ y = \! 30 \ , \ v = \! 5390 \end{array}$$



$$\begin{array}{l} w = \! 85 \ , \ h = \! 87 \ , \ x = \! 15 \ , \ y = \! 0 \ , \ v = \! 7395 \\ w = \! 72 \ , \ h = \! 5 \ , \ x = \! 28 \ , \ y = \! 87 \ , \ v = \! 360 \end{array}$$

$$\mathbf{w}$$
 =14 , h =77 , x =1 , y =0 , v =1078

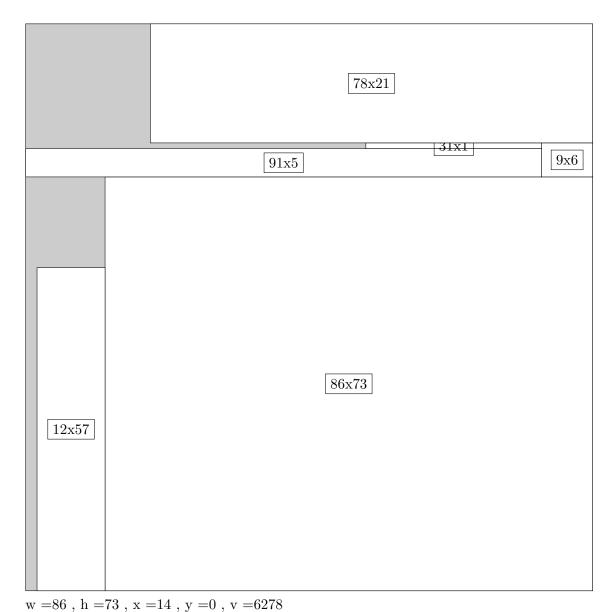




$$w$$
 =48 ,  $h$  =92 ,  $x$  =52 ,  $y$  =0 ,  $v$  =4416

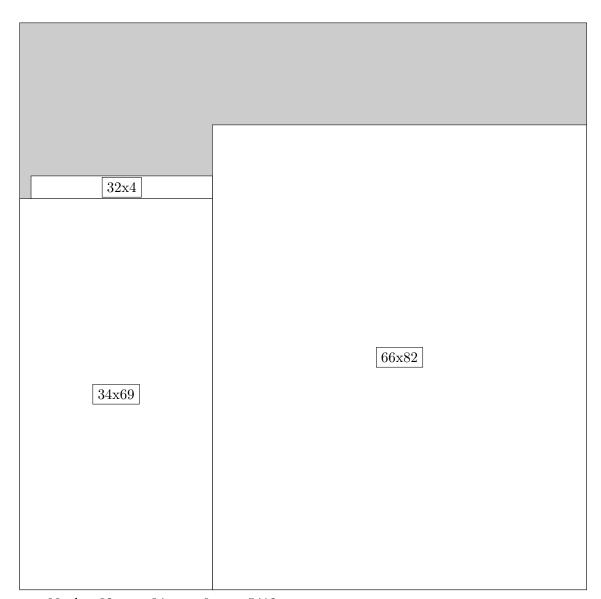
$$\le =48$$
 ,  $h=84$  ,  $x=4$  ,  $y=0$  ,  $v=4032$ 

$$\le =89$$
 , h =8 , x =11 , y =92 , v =712



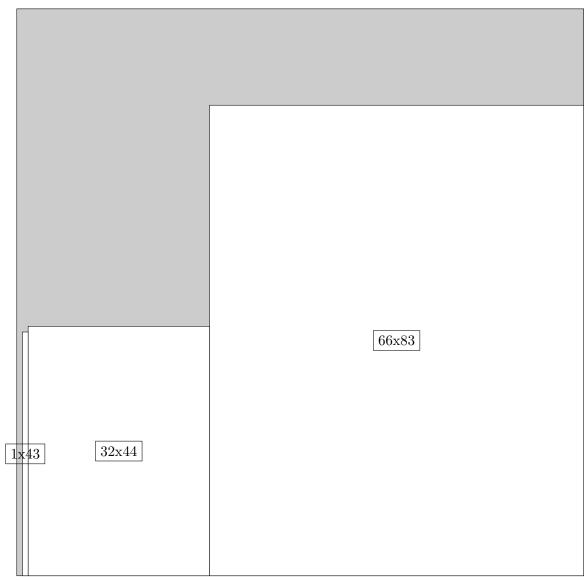
$$\le =31$$
 ,  $h=1$  ,  $x=60$  ,  $y=78$  ,  $v=31$ 

$$\le -78$$
 , h =21 , x =22 , y =79 , v =1638

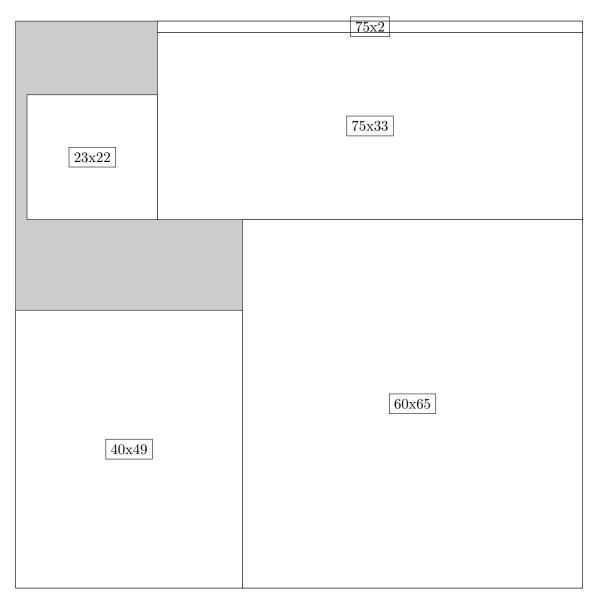


$$\begin{array}{l} w = \!\!66 \ , \ h = \!\!82 \ , \ x = \!\!34 \ , \ y = \!\!0 \ , \ v = \!\!5412 \\ w = \!\!34 \ , \ h = \!\!69 \ , \ x = \!\!0 \ , \ y = \!\!0 \ , \ v = \!\!2346 \end{array}$$

$$w = 32$$
,  $h = 4$ ,  $x = 2$ ,  $y = 69$ ,  $v = 128$ 



 $\begin{array}{l} w = \!\!66 \ , \ h = \!\!83 \ , \ x = \!\!34 \ , \ y = \!\!0 \ , \ v = \!\!5478 \\ w = \!\!32 \ , \ h = \!\!44 \ , \ x = \!\!2 \ , \ y = \!\!0 \ , \ v = \!\!1408 \\ w = \!\!1 \ , \ h = \!\!43 \ , \ x = \!\!1 \ , \ y = \!\!0 \ , \ v = \!\!43 \end{array}$ 



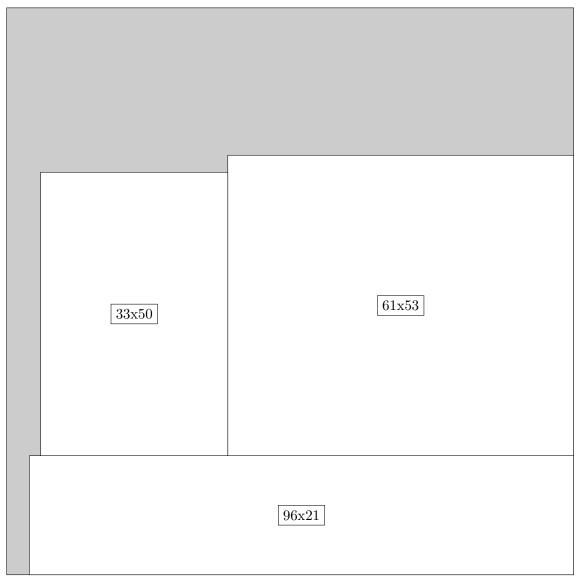
$$\le =60$$
 ,  $h=65$  ,  $x=40$  ,  $y=0$  ,  $v=3900$ 

$$\le =40$$
 ,  $h=49$  ,  $x=0$  ,  $y=0$  ,  $v=1960$ 

$$\le =75$$
 , h =33 , x =25 , y =65 , v =2475

$$\le -75$$
 , h =2 , x =25 , y =98 , v =150

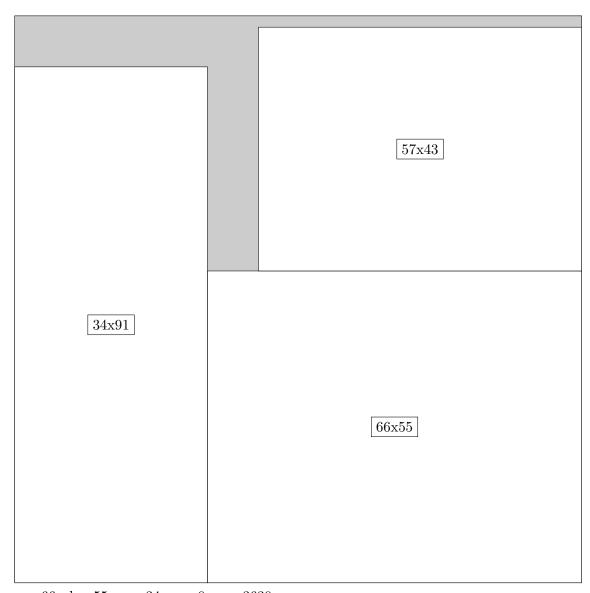
$$\le =23$$
 , h =22 , x =2 , y =65 , v =506



$$w = 96$$
,  $h = 21$ ,  $x = 4$ ,  $y = 0$ ,  $v = 2016$ 

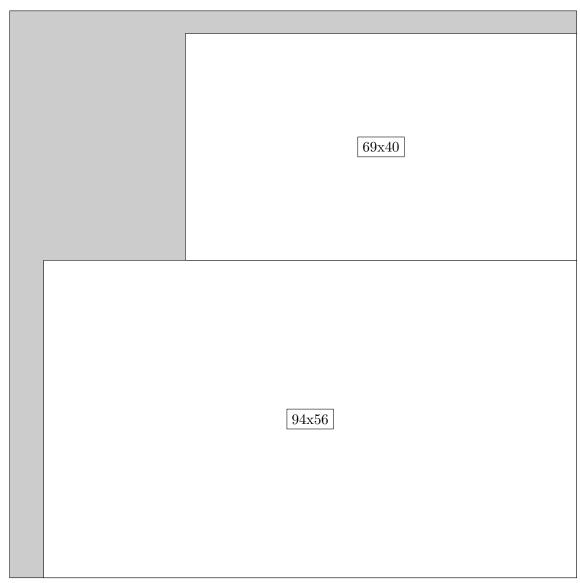
$$\mathbf{w}$$
 =61 , h =53 , x =39 , y =21 , v =3233

$$\le =33$$
 , h =50 , x =6 , y =21 , v =1650



$$w$$
 =57 , h =43 , x =43 , y =55 , v =2451

$$\le =34$$
 , h =91 , x =0 , y =0 , v =3094



$$\begin{array}{l} w = 94 \; , \; h = 56 \; , \; x = 6 \; , \; y = 0 \; , \; v = 5264 \\ w = 69 \; , \; h = 40 \; , \; x = 31 \; , \; y = 56 \; , \; v = 2760 \end{array}$$