$ClassName: \ Class_09.2bp-38$

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

TypeNum: <u>80</u> Num: <u>80</u> OutS: <u>490000</u> InS: <u>331660</u> Rate: <u>0.677</u> UB: <u>49</u> LB0: <u>49</u>

 $\begin{array}{c} \overline{\text{LBWithCut: } \underline{\mathbf{49}}} \\ \text{NodeCut: } \underline{\mathbf{0}} \end{array}$

LB: **49**

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

GenNodeCnt: $\underline{\mathbf{1}}$ PrimalNode: $\underline{\mathbf{0}}$ ColumnCount: $\underline{\mathbf{49}}$ TotalCutCount: $\underline{\mathbf{0}}$ RootCutCount: $\underline{\mathbf{0}}$ LPSolverCnt: $\underline{\mathbf{1}}$ PricingSolverCnt: $\underline{\mathbf{0}}$ BranchAndBoundNum: $\underline{\mathbf{1}}$

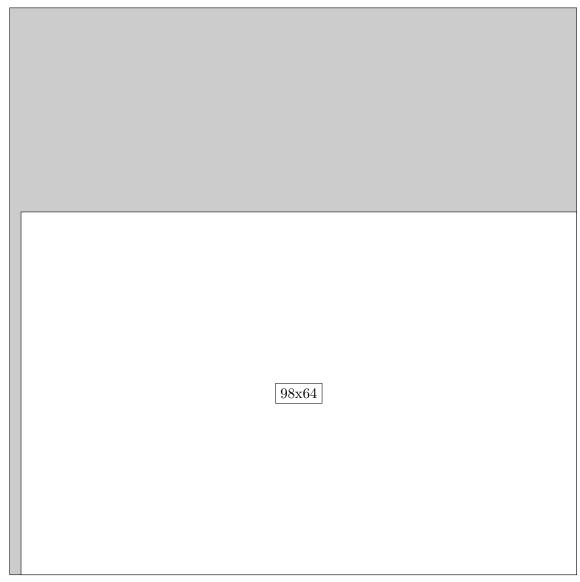
isOpt: $\underline{\mathbf{true}}$

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

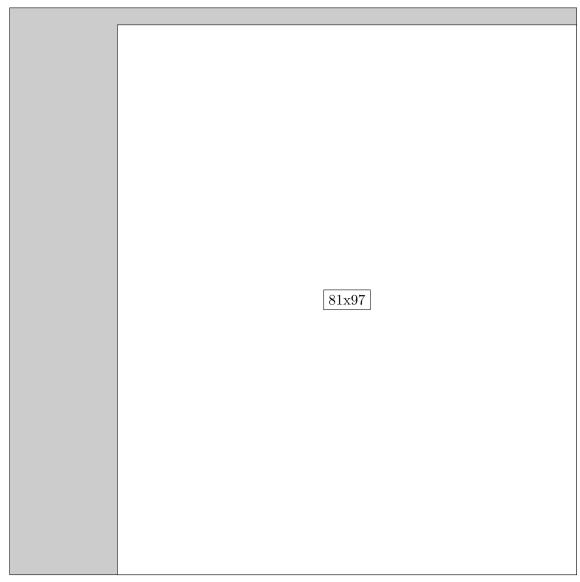
TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.078 sTotalTime: 600.313 s



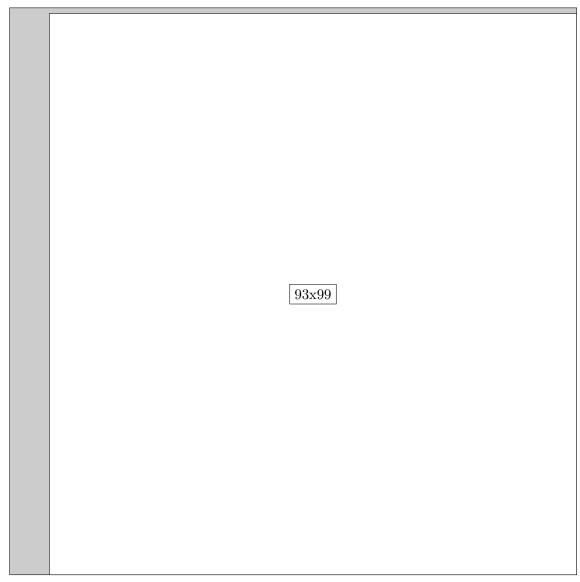
 $\begin{array}{c} w = 100 \; , \; h = \!\! 55 \; , \; x = \!\! 0 \; , \; y = \!\! 0 \; , \; v = \!\! 5500 \\ w = \!\! 100 \; , \; h = \!\! 27 \; , \; x = \!\! 0 \; , \; y = \!\! 55 \; , \; v = \!\! 2700 \\ \end{array}$



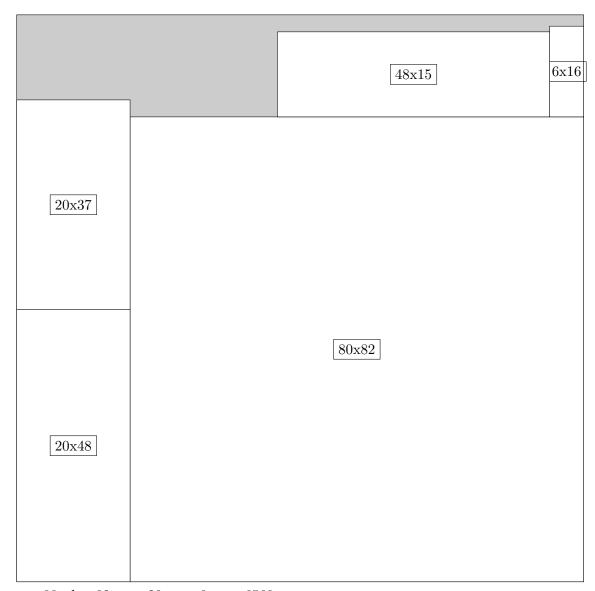
 $\le =98$, h =64 , x =2 , y =0 , v =6272



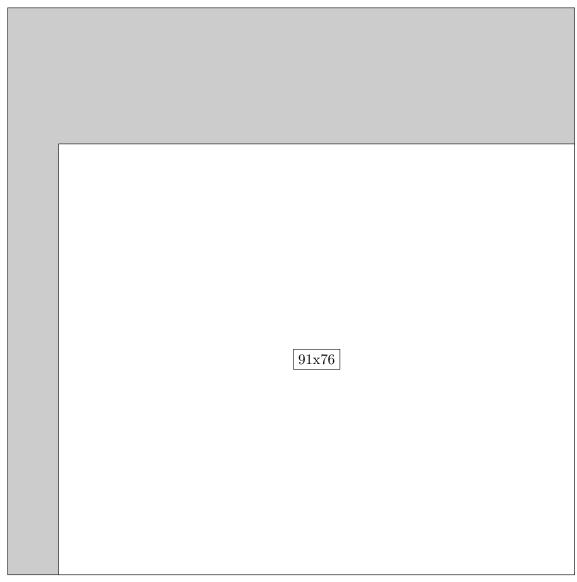
 $\le =81$, h =97 , x =19 , y =0 , v =7857



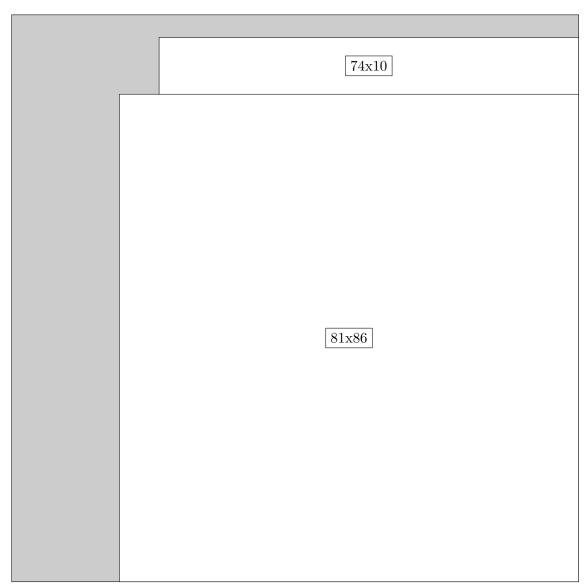
 $\le =93$, h =99 , x =7 , y =0 , v =9207



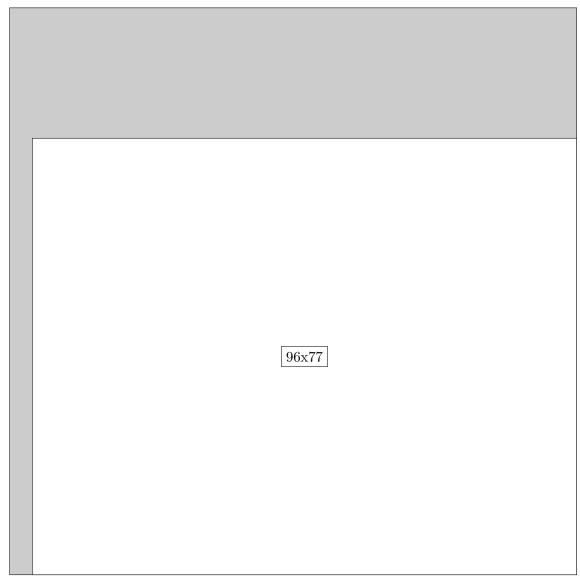
$$\begin{array}{l} w = \! 80 \;, \; h = \! 82 \;, \; x = \! 20 \;, \; y = \! 0 \;, \; v = \! 6560 \\ w = \! 6 \;, \; h = \! 16 \;, \; x = \! 94 \;, \; y = \! 82 \;, \; v = \! 96 \\ w = \! 48 \;, \; h = \! 15 \;, \; x = \! 46 \;, \; y = \! 82 \;, \; v = \! 720 \\ w = \! 20 \;, \; h = \! 48 \;, \; x = \! 0 \;, \; y = \! 0 \;, \; v = \! 960 \\ w = \! 20 \;, \; h = \! 37 \;, \; x = \! 0 \;, \; y = \! 48 \;, \; v = \! 740 \end{array}$$



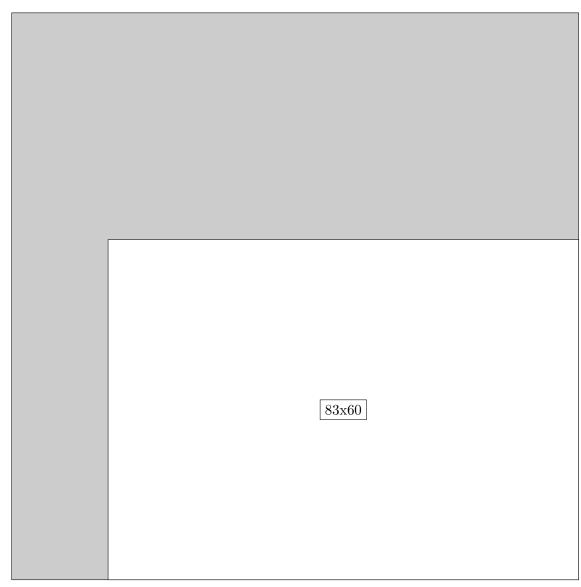
 ≤ -91 , h = 76 , x = 9 , y = 0 , v = 6916



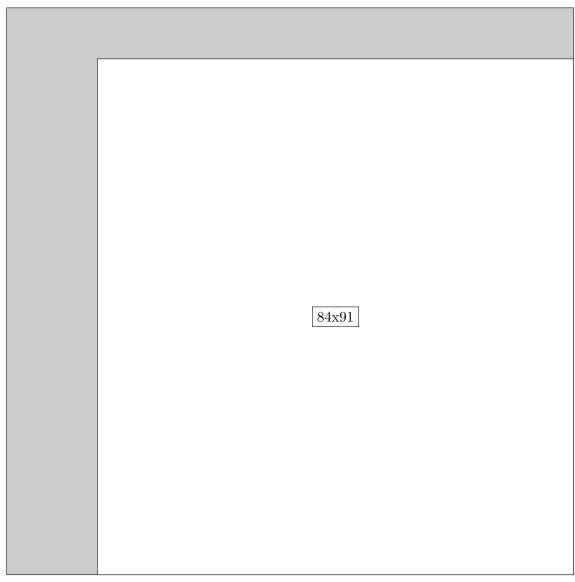
$$\begin{array}{l} w = \! 81 \ , \ h = \! 86 \ , \ x = \! 19 \ , \ y = \! 0 \ , \ v = \! 6966 \\ w = \! 74 \ , \ h = \! 10 \ , \ x = \! 26 \ , \ y = \! 86 \ , \ v = \! 740 \end{array}$$



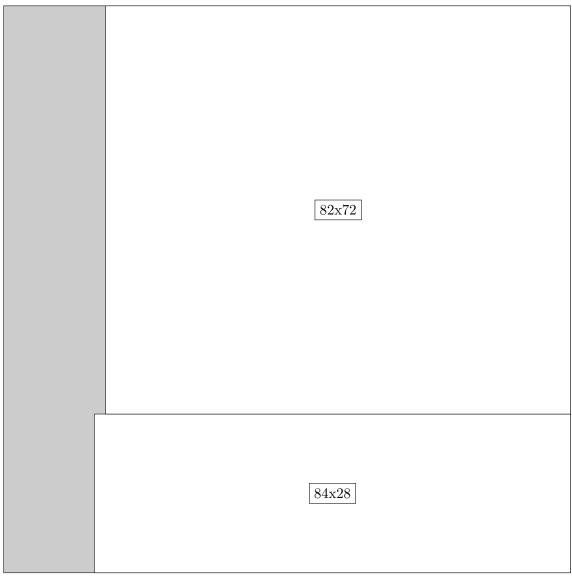
 $\le =96$, h =77 , x =4 , y =0 , v =7392



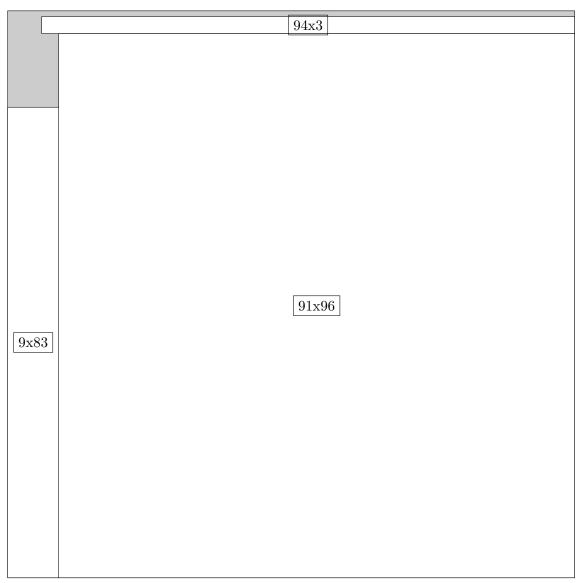
 $\le =83$, h=60 , x=17 , y=0 , v=4980



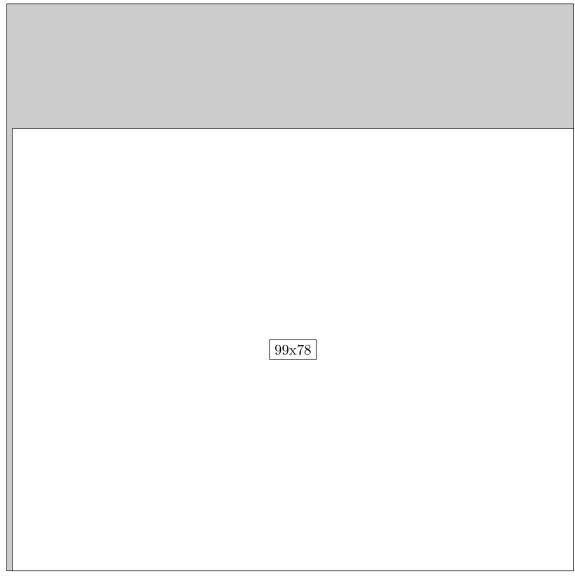
 $\le =84$, h =91 , x =16 , y =0 , v =7644



$$\begin{array}{l} w = \! 84 \ , \, h = \! 28 \ , \, x = \! 16 \ , \, y = \! 0 \ , \, v = \! 2352 \\ w = \! 82 \ , \, h = \! 72 \ , \, x = \! 18 \ , \, y = \! 28 \ , \, v = \! 5904 \end{array}$$



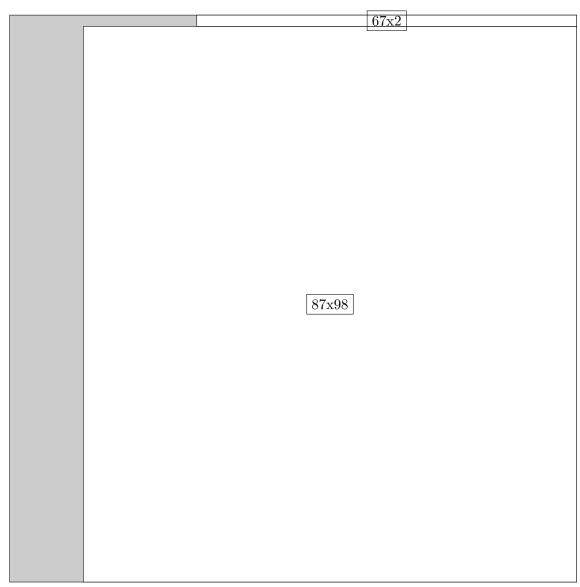
 $\begin{array}{l} w = \! 91 \; , \; h = \! 96 \; , \; x = \! 9 \; , \; y = \! 0 \; , \; v = \! 8736 \\ w = \! 9 \; , \; h = \! 83 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 747 \\ w = \! 94 \; , \; h = \! 3 \; , \; x = \! 6 \; , \; y = \! 96 \; , \; v = \! 282 \end{array}$



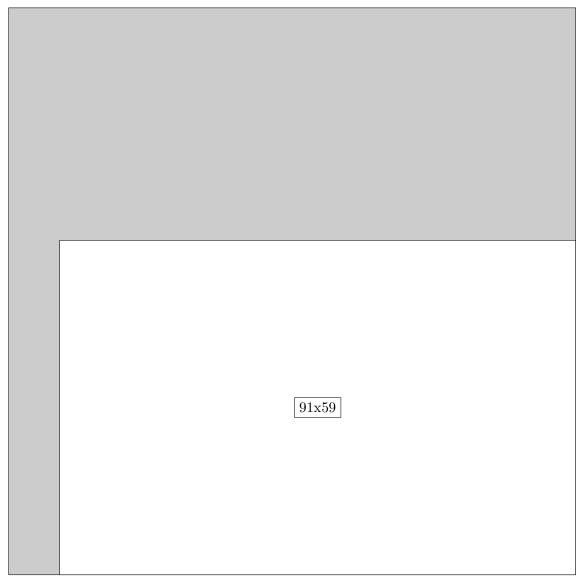
 $\le =99$, h =78 , x =1 , y =0 , v =7722



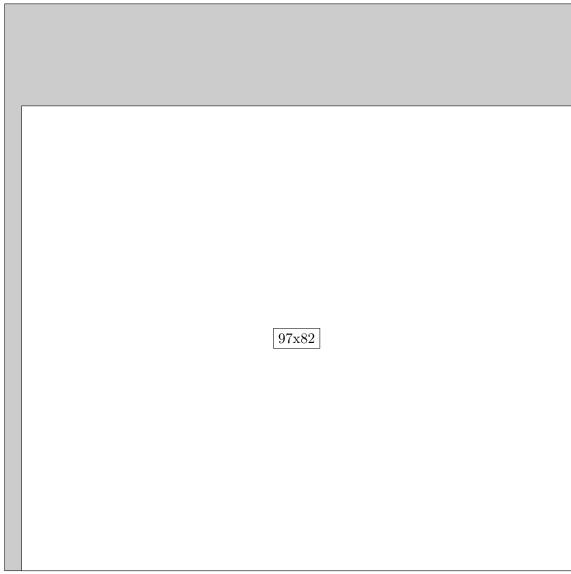
$$\begin{array}{l} w = \! 96 \ , \ h = \! 48 \ , \ x = \! 4 \ , \ y = \! 0 \ , \ v = \! 4608 \\ w = \! 93 \ , \ h = \! 52 \ , \ x = \! 7 \ , \ y = \! 48 \ , \ v = \! 4836 \end{array}$$



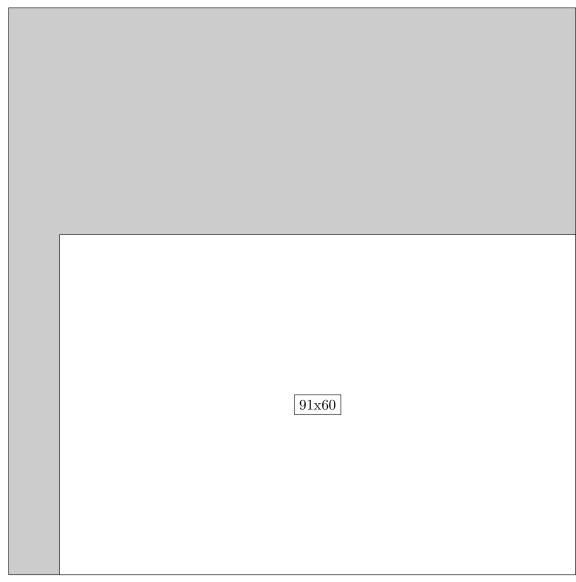
 $\begin{array}{c} w = \! 87 \; , \; h = \! 98 \; , \; x = \! 13 \; , \; y = \! 0 \; , \; v = \! 8526 \\ w = \! 67 \; , \; h = \! 2 \; , \; x = \! 33 \; , \; y = \! 98 \; , \; v = \! 134 \end{array}$

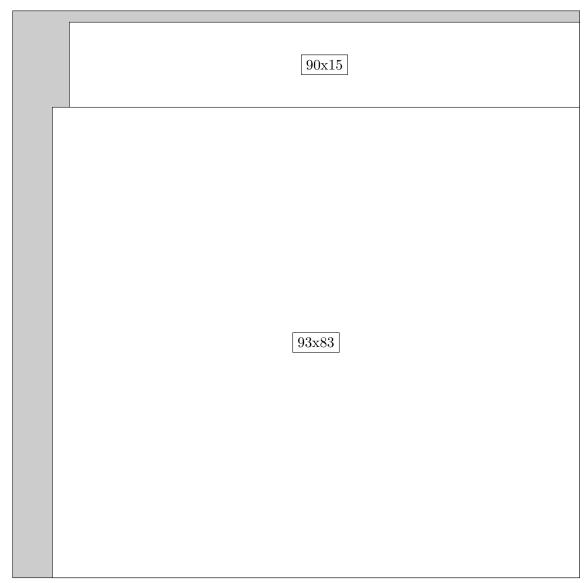


 $\le =91$, h =59 , x =9 , y =0 , v =5369

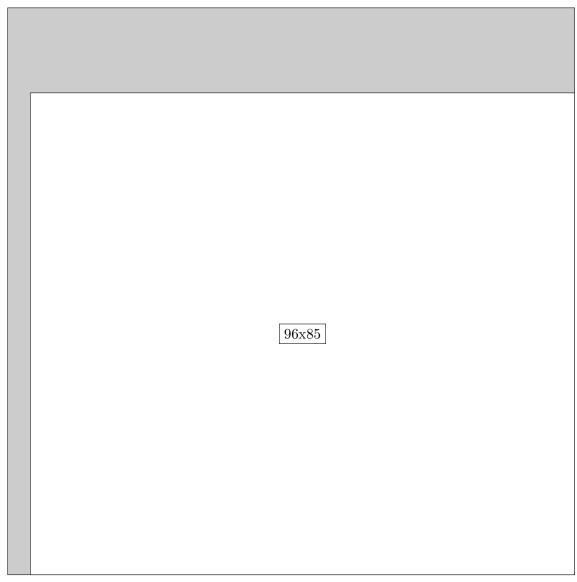


 $\le =97$, h =82 , x =3 , y =0 , v =7954





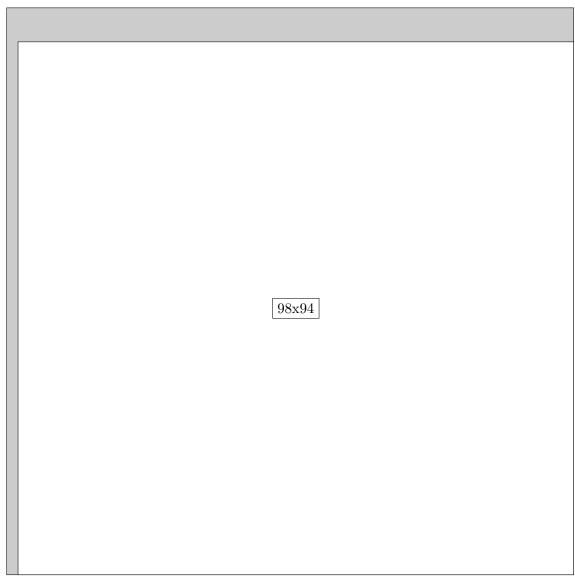
$$\begin{array}{l} w = \! 93 \; , \; h = \! 83 \; , \; x = \! 7 \; , \; y = \! 0 \; , \; v = \! 7719 \\ w = \! 90 \; , \; h = \! 15 \; , \; x = \! 10 \; , \; y = \! 83 \; , \; v = \! 1350 \end{array}$$



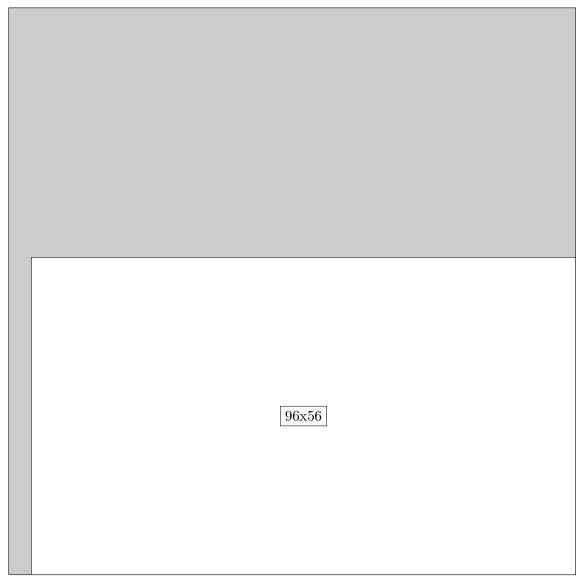
 $\le =96$, h =85 , x =4 , y =0 , v =8160



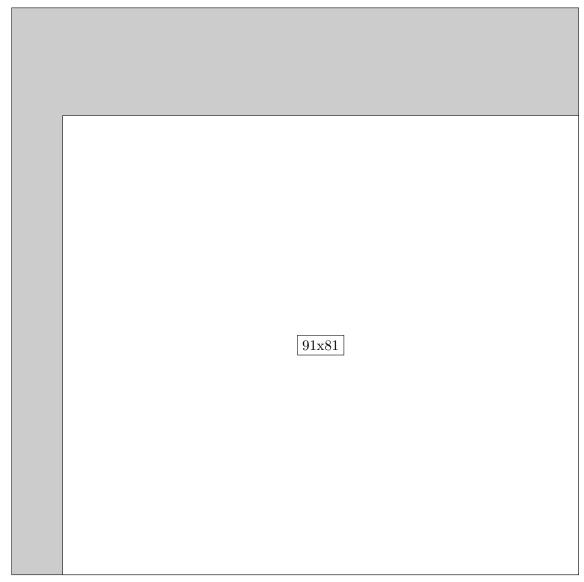
$$\begin{array}{l} w = \! 81 \ , \, h = \! 50 \ , \, x = \! 19 \ , \, y = \! 0 \ , \, v = \! 4050 \\ w = \! 77 \ , \, h = \! 50 \ , \, x = \! 23 \ , \, y = \! 50 \ , \, v = \! 3850 \end{array}$$



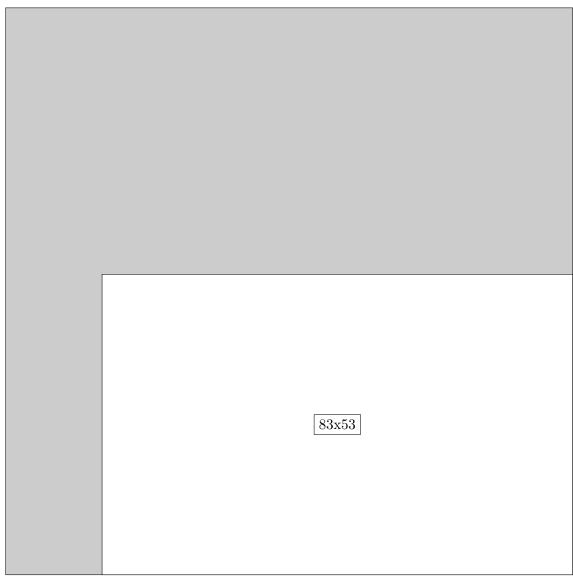
 $\le =98$, h =94 , x =2 , y =0 , v =9212



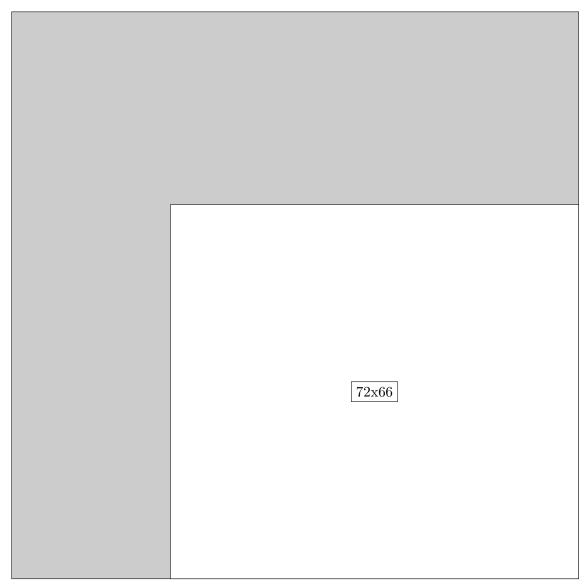
 ≤ -96 , h = 56 , x = 4 , y = 0 , v = 5376



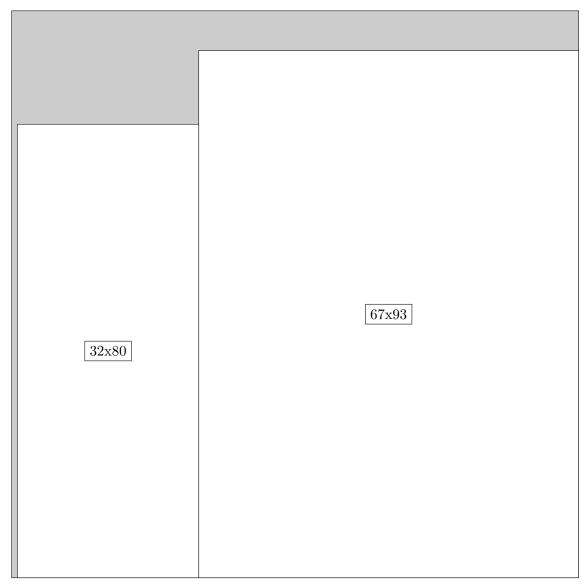
 ≤ -91 , h =81 , x =9 , y =0 , v =7371



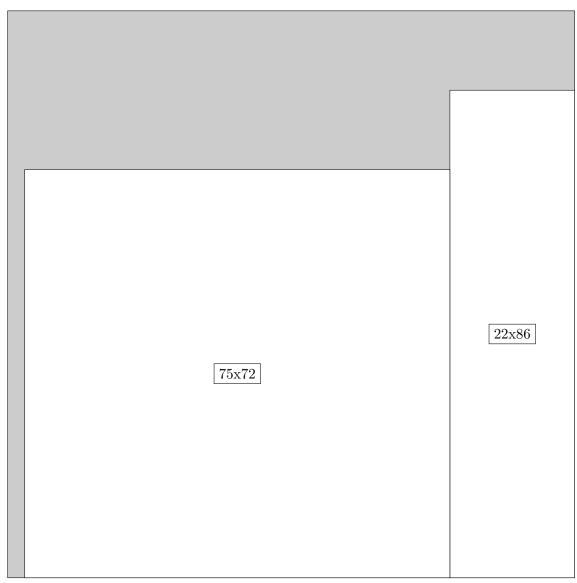
 $\le =83$, h =53 , x =17 , y =0 , v =4399



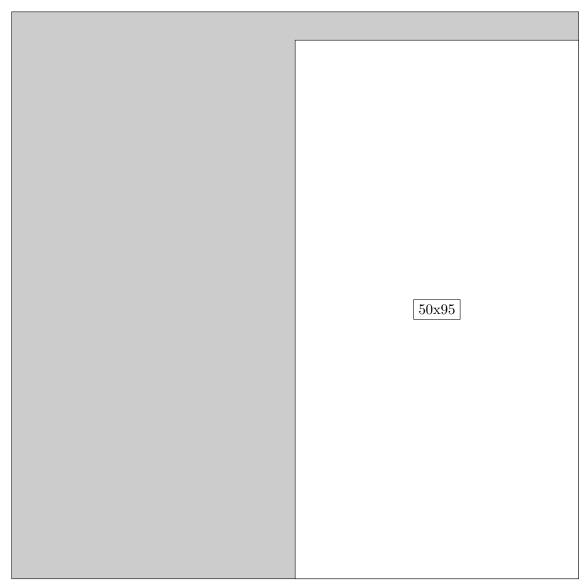
 $\le =72$, h =66 , x =28 , y =0 , v =4752



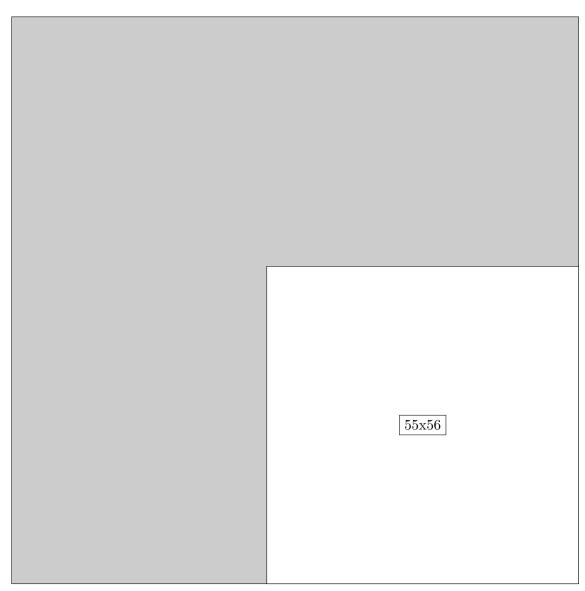
$$\begin{array}{l} w = \!\!67 \ , \ h = \!\!93 \ , \ x = \!\!33 \ , \ y = \!\!0 \ , \ v = \!\!6231 \\ w = \!\!32 \ , \ h = \!\!80 \ , \ x = \!\!1 \ , \ y = \!\!0 \ , \ v = \!\!2560 \end{array}$$



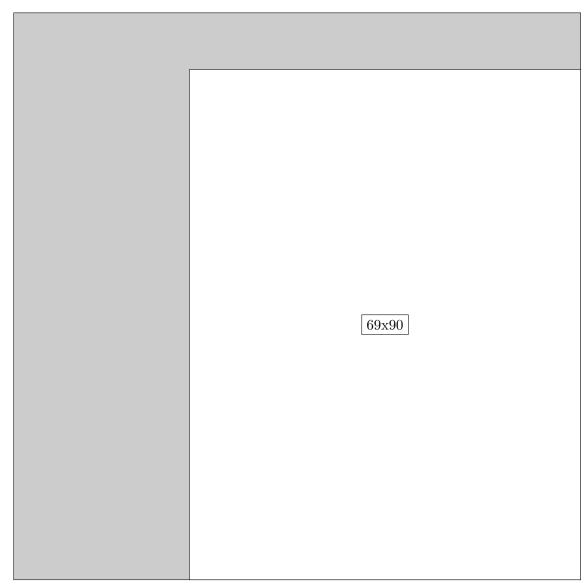
$$\begin{array}{l} w = \!\! 22 \ , \ h = \!\! 86 \ , \ x = \!\! 78 \ , \ y = \!\! 0 \ , \ v = \!\! 1892 \\ w = \!\! 75 \ , \ h = \!\! 72 \ , \ x = \!\! 3 \ , \ y = \!\! 0 \ , \ v = \!\! 5400 \end{array}$$



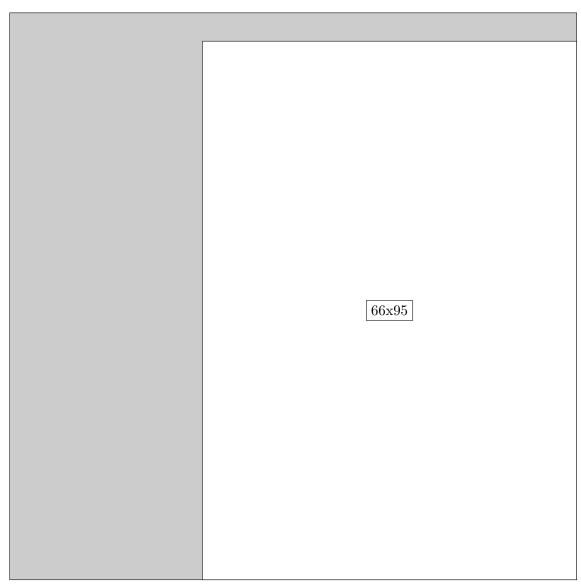
 $\le =50$, h =95 , x =50 , y =0 , v =4750



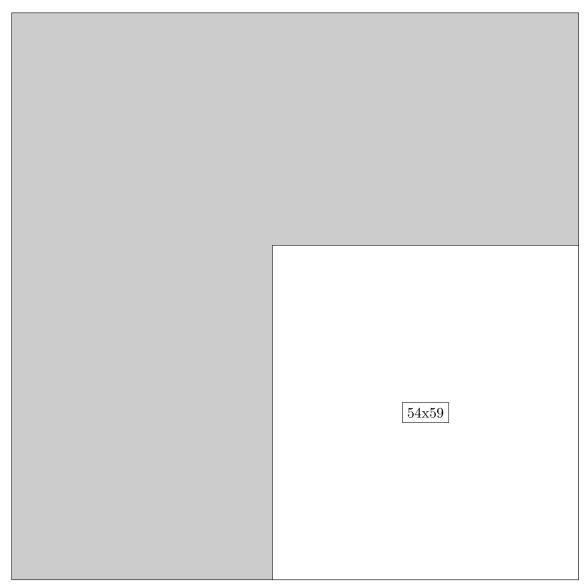
 $\le =55$, h = 56 , x = 45 , y = 0 , v = 3080



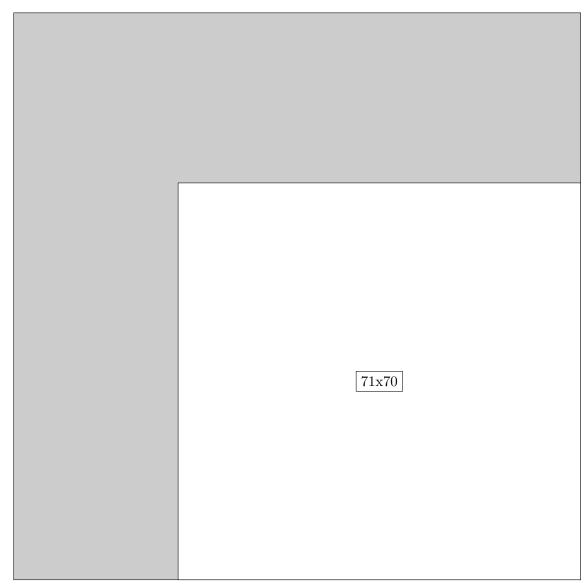
 $\le =69$, h =90 , x =31 , y =0 , v =6210



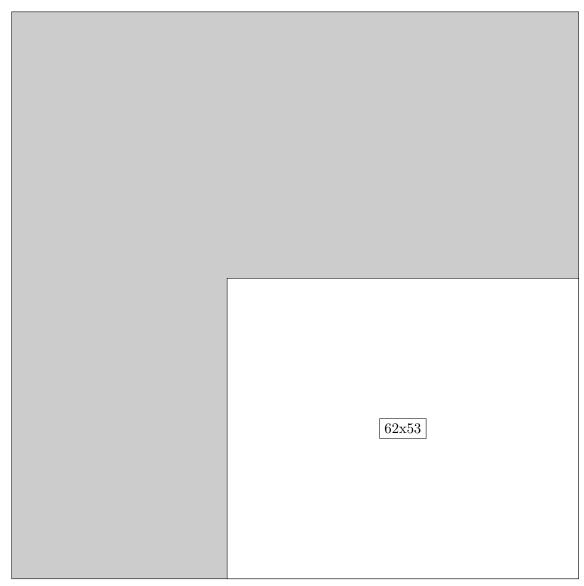
 $\le =66$, h =95 , x =34 , y =0 , v =6270



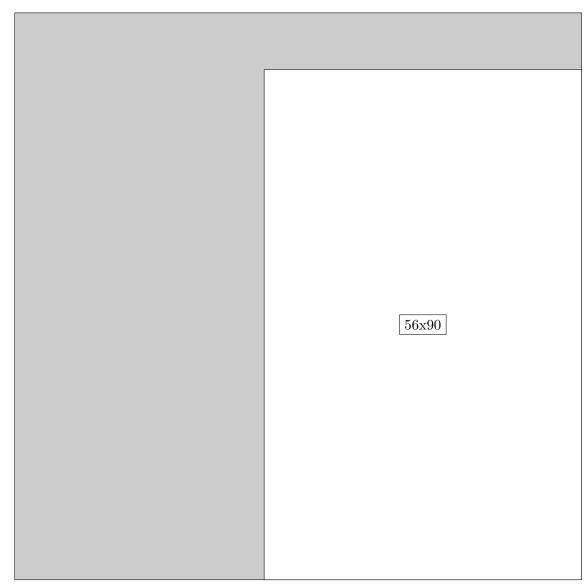
 $\le =54$, h =59 , x =46 , y =0 , v =3186



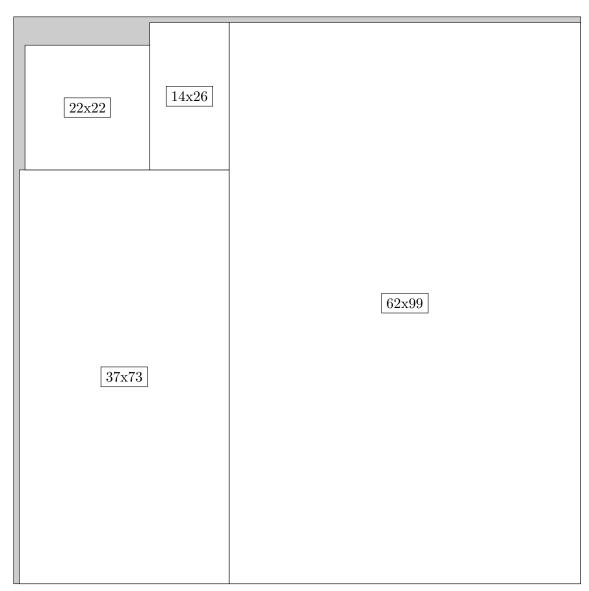
 $\le =71$, h =70 , x =29 , y =0 , v =4970



 $\le =62$, h =53 , x =38 , y =0 , v =3286



 $\le =56$, h =90 , x =44 , y =0 , v =5040

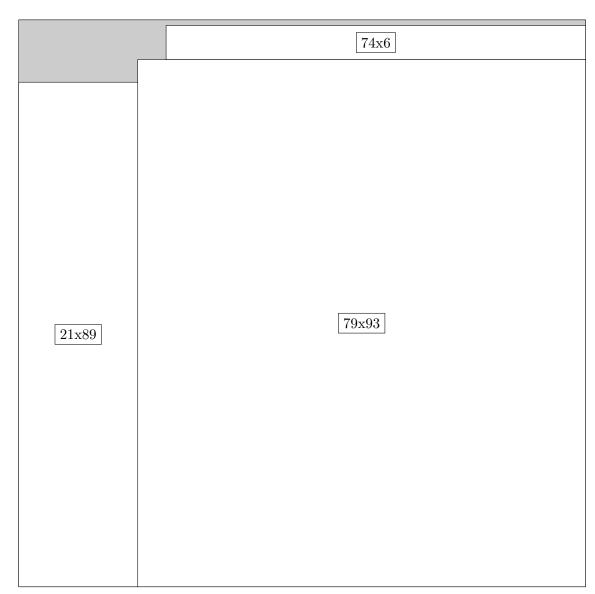


$$\le 62$$
 , $h = 99$, $x = 38$, $y = 0$, $v = 6138$

$$\le =37$$
 , h =73 , x =1 , y =0 , v =2701

$$\le =14$$
 , h =26 , x =24 , y =73 , v =364

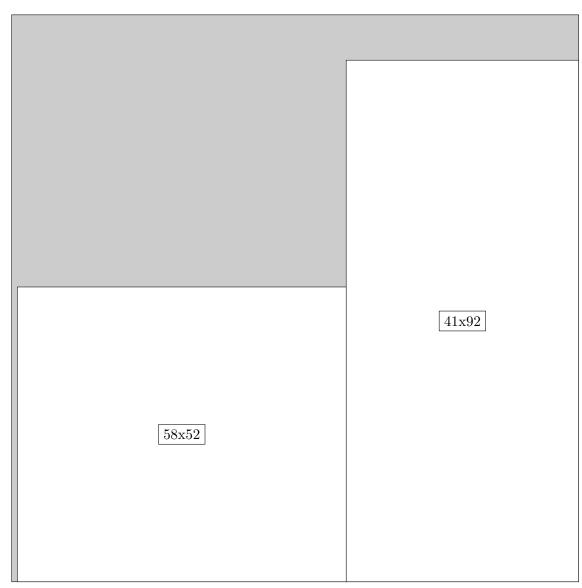
$$\mathbf{w}$$
 =22 , h =22 , x =2 , y =73 , v =484



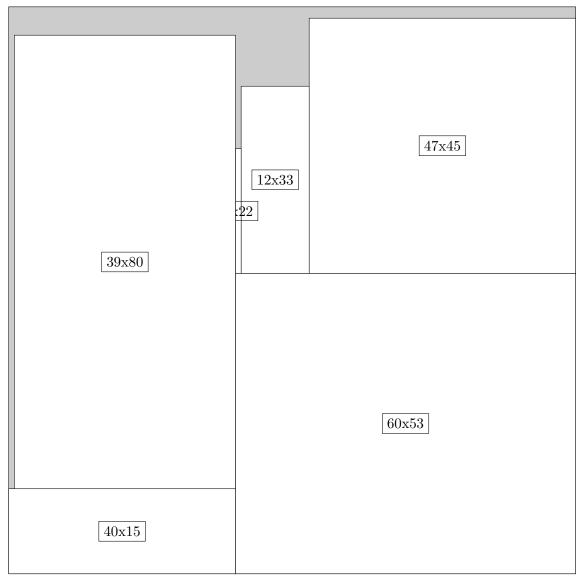
$$w = 79$$
, $h = 93$, $x = 21$, $y = 0$, $v = 7347$

$$\le =74$$
 , h =6 , x =26 , y =93 , v =444

$$\le =21$$
 , h =89 , x =0 , y =0 , v =1869



$$\begin{array}{l} w = \! 41 \ , \ h = \! 92 \ , \ x = \! 59 \ , \ y = \! 0 \ , \ v = \! 3772 \\ w = \! 58 \ , \ h = \! 52 \ , \ x = \! 1 \ , \ y = \! 0 \ , \ v = \! 3016 \end{array}$$



$$w = 60$$
, $h = 53$, $x = 40$, $y = 0$, $v = 3180$

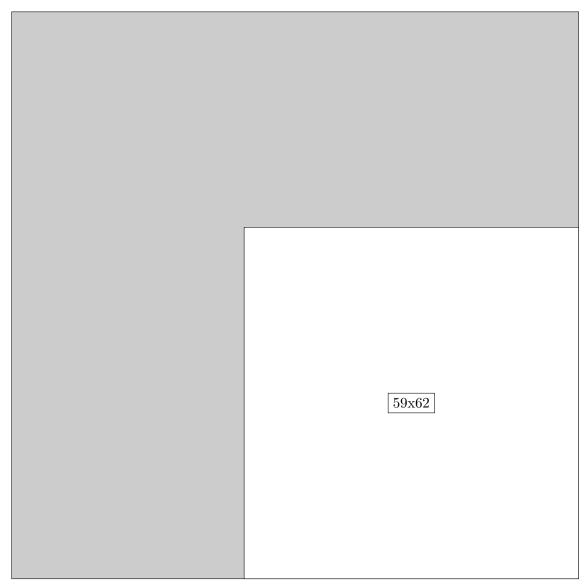
$$\le =47$$
 , h =45 , x =53 , y =53 , v =2115

$$\le =12$$
 , h =33 , x =41 , y =53 , v =396

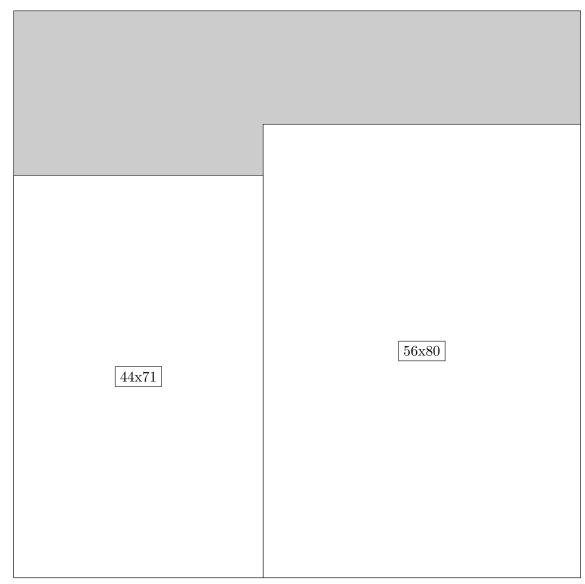
$$\mathbf{w}$$
 =1 , h =22 , x =40 , y =53 , v =22

$$\mathbf{w}$$
 =40 , h =15 , x =0 , y =0 , v =600

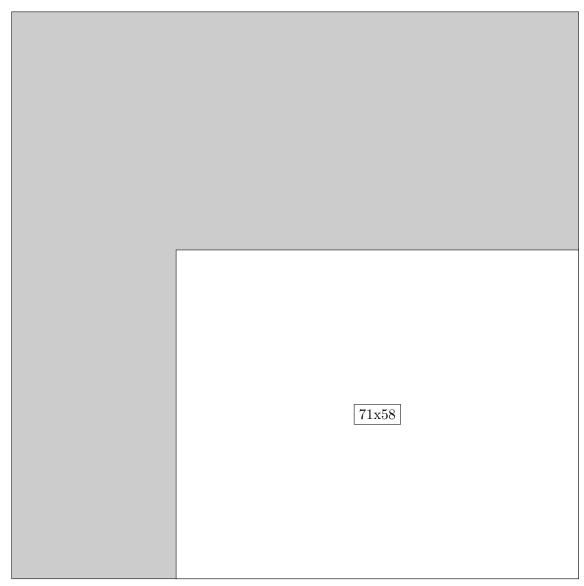
$$\le =39$$
 , $h=80$, $x=1$, $y=15$, $v=3120$



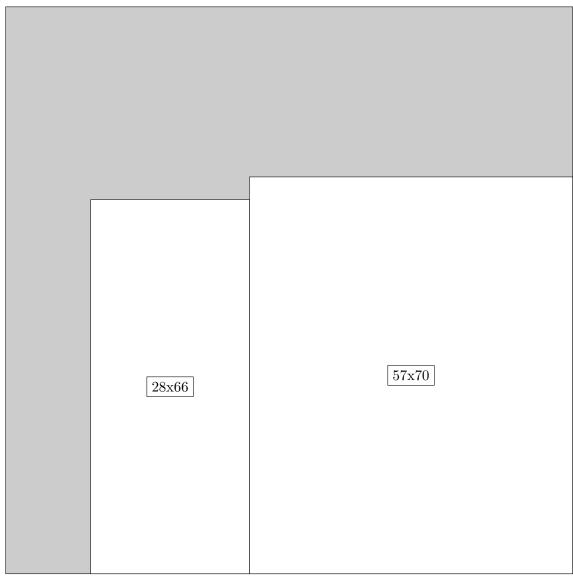
 $\le =59$, h =62 , x =41 , y =0 , v =3658



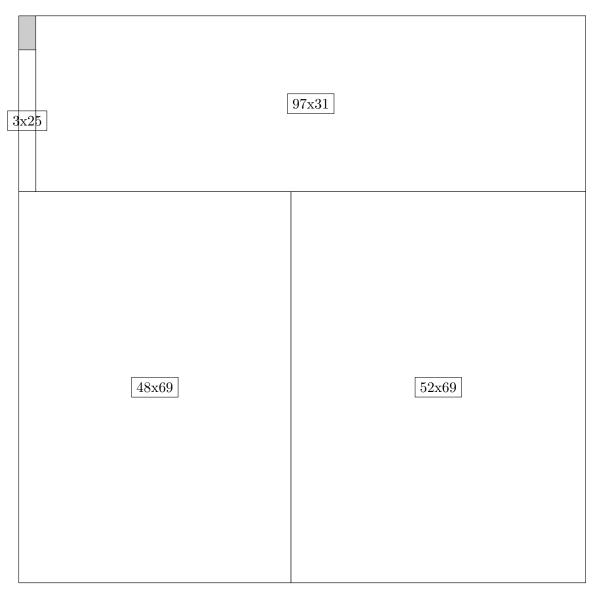
$$\begin{array}{l} w = \!\! 56 \ , \ h = \!\! 80 \ , \ x = \!\! 44 \ , \ y = \!\! 0 \ , \ v = \!\! 4480 \\ w = \!\! 44 \ , \ h = \!\! 71 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 3124 \end{array}$$



 $\le =71$, h =58 , x =29 , y =0 , v =4118



$$\begin{array}{l} w = \! 57 \ , \ h = \! 70 \ , \ x = \! 43 \ , \ y = \! 0 \ , \ v = \! 3990 \\ w = \! 28 \ , \ h = \! 66 \ , \ x = \! 15 \ , \ y = \! 0 \ , \ v = \! 1848 \end{array}$$

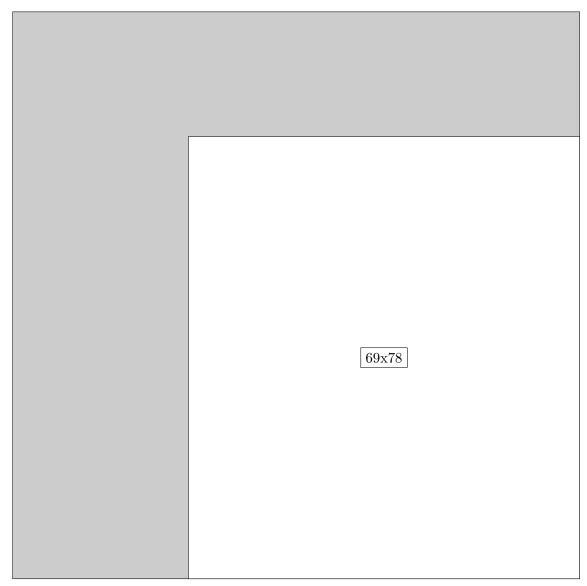


$$w = 52$$
, $h = 69$, $x = 48$, $y = 0$, $v = 3588$

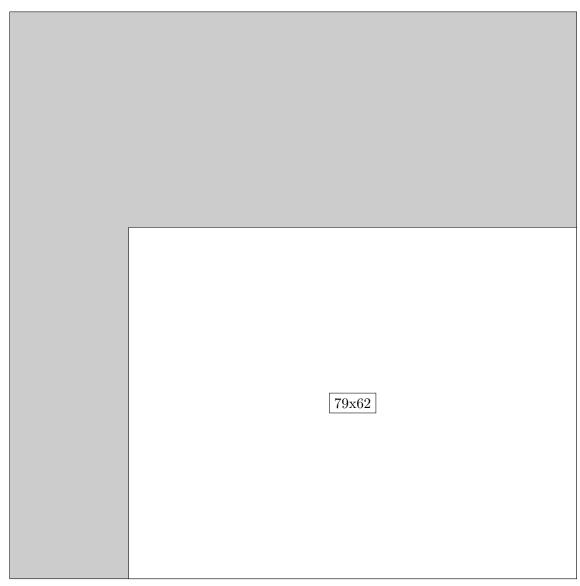
$$\le =48$$
 , $h=69$, $x=0$, $y=0$, $v=3312$

$$\le =97$$
 , h =31 , x =3 , y =69 , v =3007

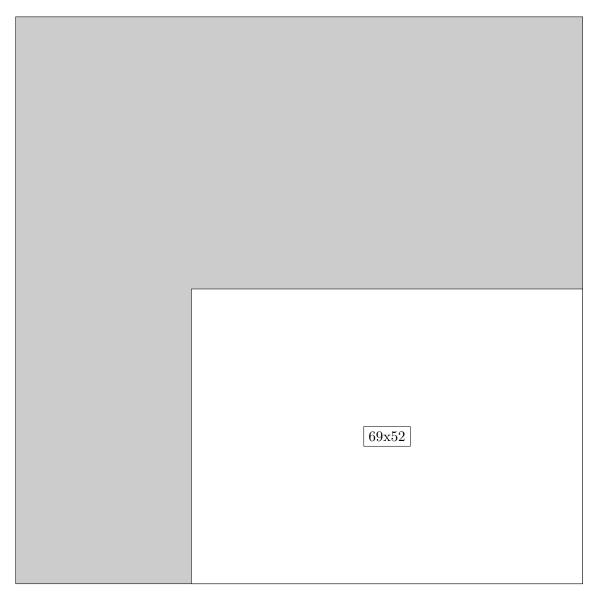
$$\le 3$$
 , h =
25 , x =
0 , y =
69 , v =
75



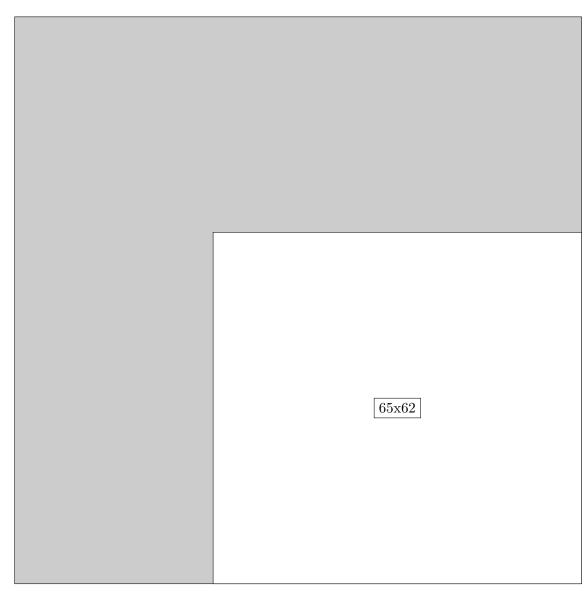
 $\le =69$, h =78 , x =31 , y =0 , v =5382



 $\le =79$, h =62 , x =21 , y =0 , v =4898



 $\le =69$, h =52 , x =31 , y =0 , v =3588



 $\le =65$, h=62 , x=35 , y=0 , v=4030