$ClassName: \ Class_09.2bp-49$

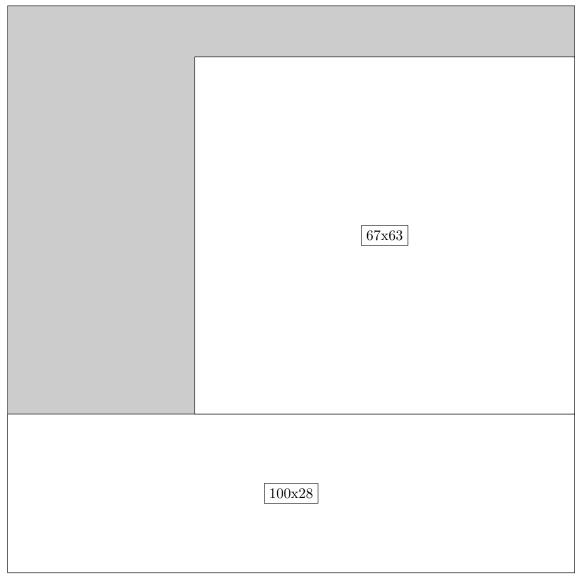
BinSize: $\underline{100 \times 100}$ ReduceSize: $\underline{100 \times 100}$

TypeNum: <u>96</u>
Num: <u>100</u>
OutS: <u>720000</u>
InS: <u>486071</u>
Rate: <u>0.675</u>
UB: <u>72</u>
LB: <u>72</u>

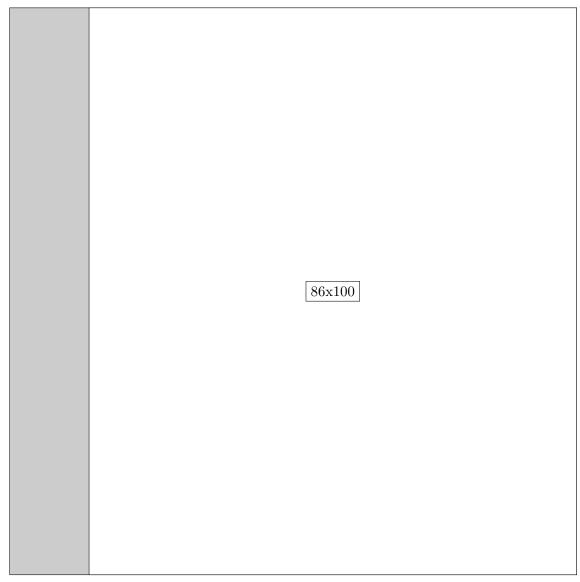
LBWithCut: $\underline{72}$ NodeCount: $\underline{0}$ PrimalNode: $\underline{0}$ ColumnCount: $\underline{72}$ TotalCutCount: $\underline{0}$ RootCutCount: $\underline{0}$ LPSolverCnt: $\underline{1}$ PricingSolverCnt: $\underline{0}$ BranchAndBoundNum: $\underline{1}$

isOpt: **true**

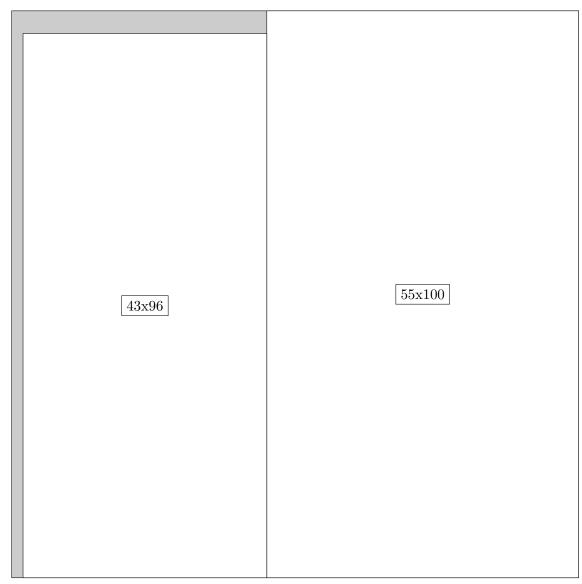
 $\begin{array}{ll} \text{TimeOnPrimal: } \underline{0.000 \text{ s}} \\ \text{TimeOnPricing: } \underline{0.000 \text{ s}} \\ \text{TimeOnRmp: } \underline{0.078 \text{ s}} \\ \text{TotalTime: } \underline{0.218 \text{ s}} \end{array}$



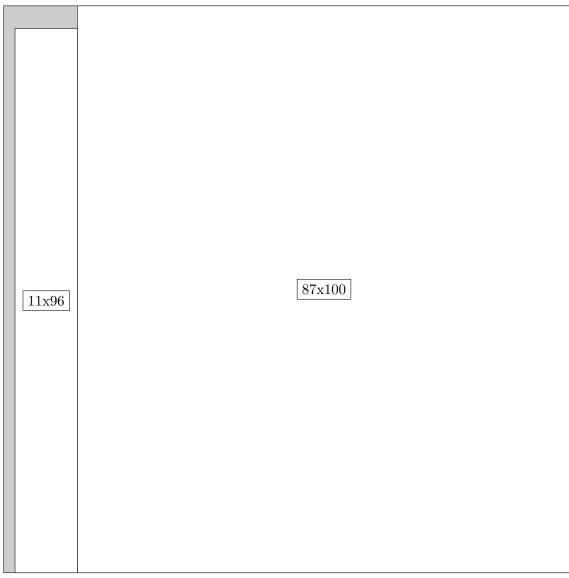
$$\begin{array}{l} w = \! 100 \ , \, h = \! 28 \ , \, x = \! 0 \ , \, y = \! 0 \ , \, v = \! 2800 \\ w = \! 67 \ , \, h = \! 63 \ , \, x = \! 33 \ , \, y = \! 28 \ , \, v = \! 4221 \end{array}$$



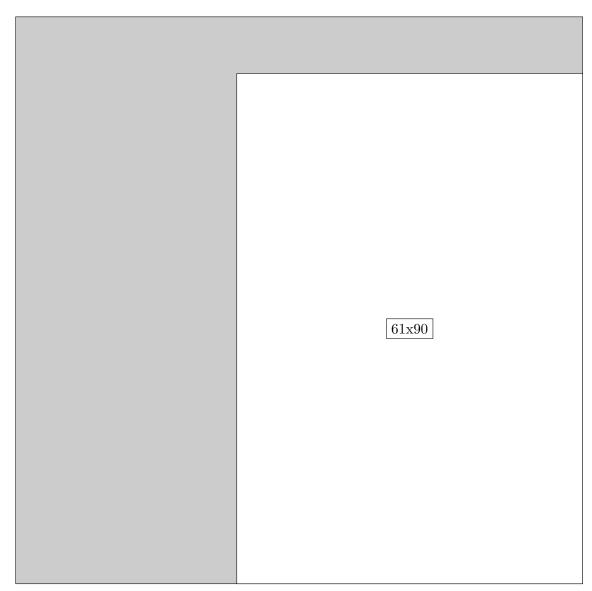
 $\le =86$, h =100 , x =14 , y =0 , v =8600



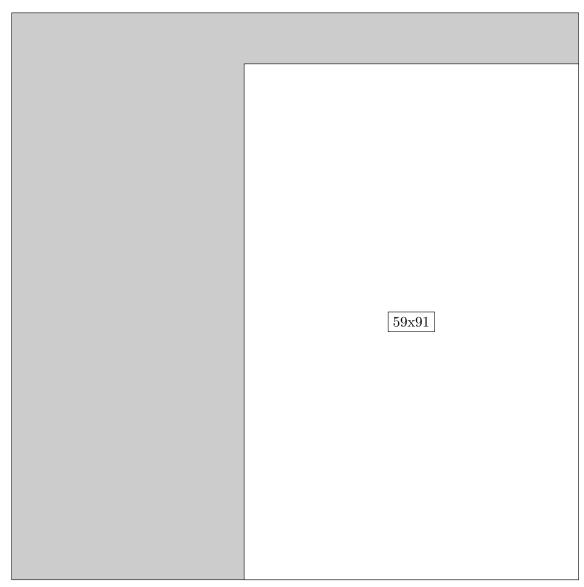
 $\begin{array}{l} w = \!55 \ , \ h = \!100 \ , \ x = \!45 \ , \ y = \!0 \ , \ v = \!5500 \\ w = \!43 \ , \ h = \!96 \ , \ x = \!2 \ , \ y = \!0 \ , \ v = \!4128 \end{array}$



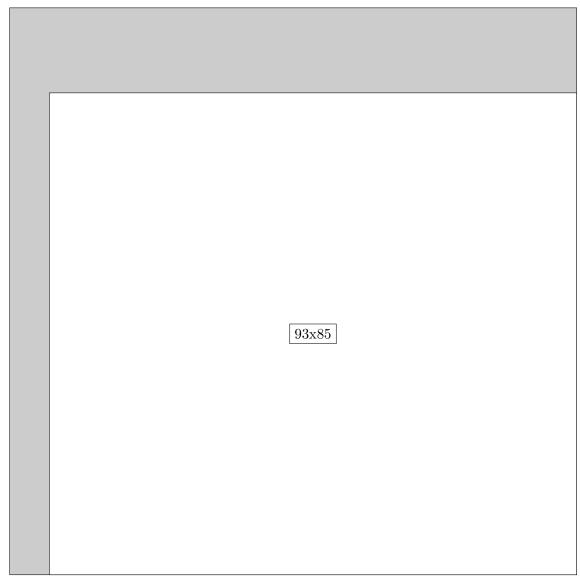
$$\begin{array}{l} w = \! 87 \; , \; h = \! 100 \; , \; x = \! 13 \; , \; y = \! 0 \; , \; v = \! 8700 \\ w = \! 11 \; , \; h = \! 96 \; , \; x = \! 2 \; , \; y = \! 0 \; , \; v = \! 1056 \\ \end{array}$$



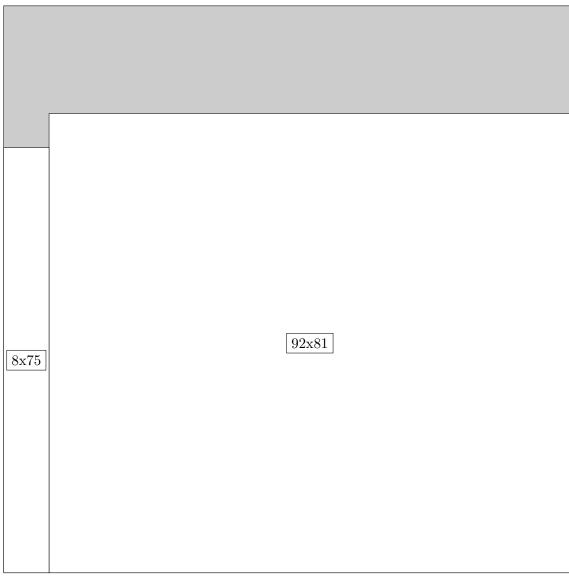
 $\le =61$, h =90 , x =39 , y =0 , v =5490



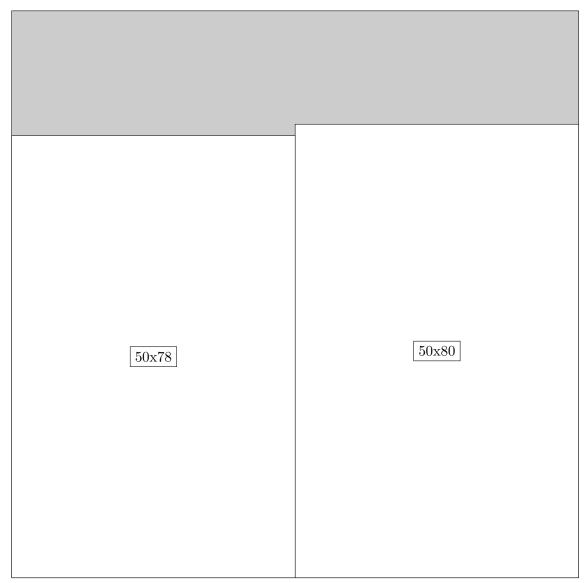
 $\le =59$, h =91 , x =41 , y =0 , v =5369



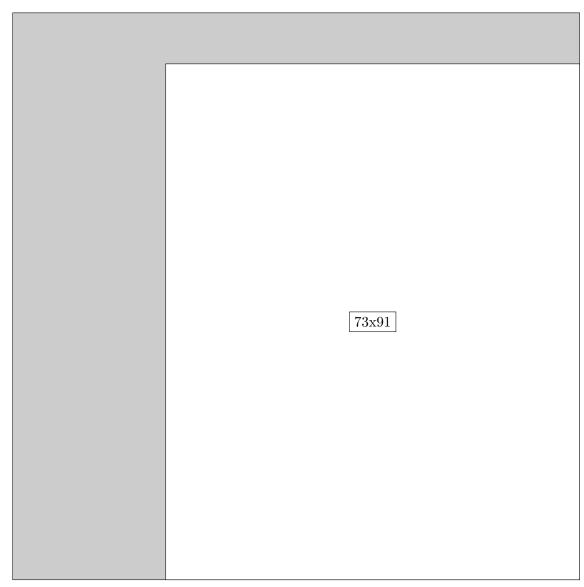
 $\le =93$, h =85 , x =7 , y =0 , v =7905



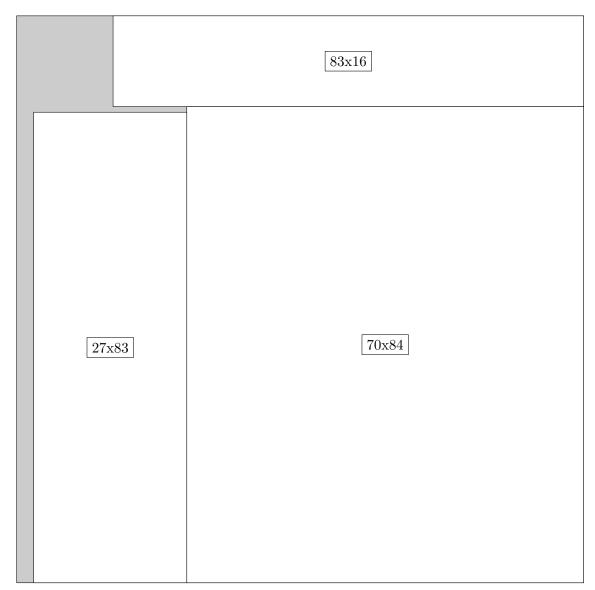
w =92, h =81, x =8, y =0, v =7452 w =8, h =75, x =0, y =0, v =600



$$\begin{array}{l} w = \! 50 \ , \ h = \! 80 \ , \ x = \! 50 \ , \ y = \! 0 \ , \ v = \! 4000 \\ w = \! 50 \ , \ h = \! 78 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 3900 \end{array}$$



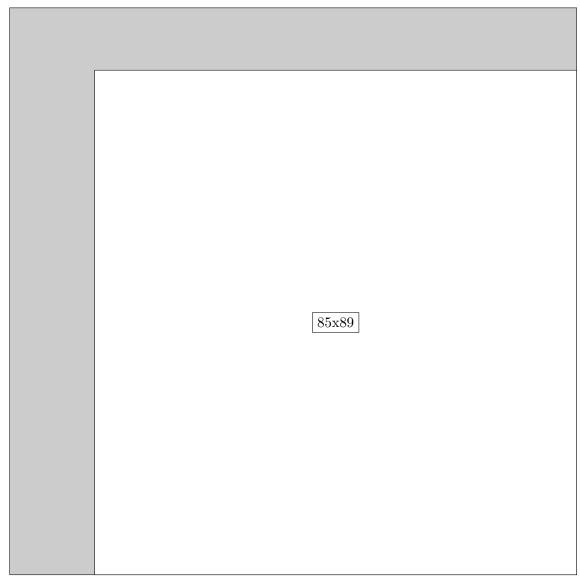
 $\le =73$, h =91 , x =27 , y =0 , v =6643



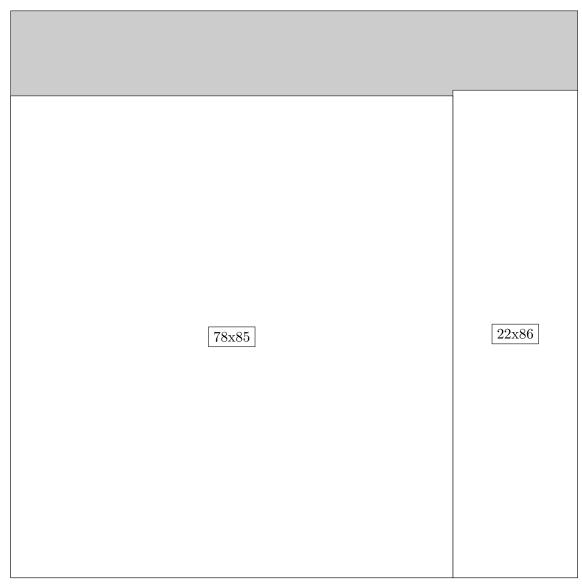
$$w = 70$$
, $h = 84$, $x = 30$, $y = 0$, $v = 5880$

$$\le =27$$
 , h =83 , x =3 , y =0 , v =2241

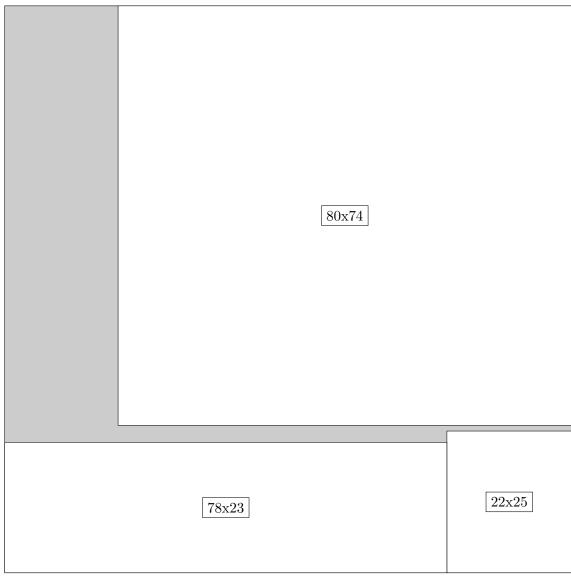
$$\le =83$$
 , h =16 , x =17 , y =84 , v =1328



 $\le =85$, h =89 , x =15 , y =0 , v =7565



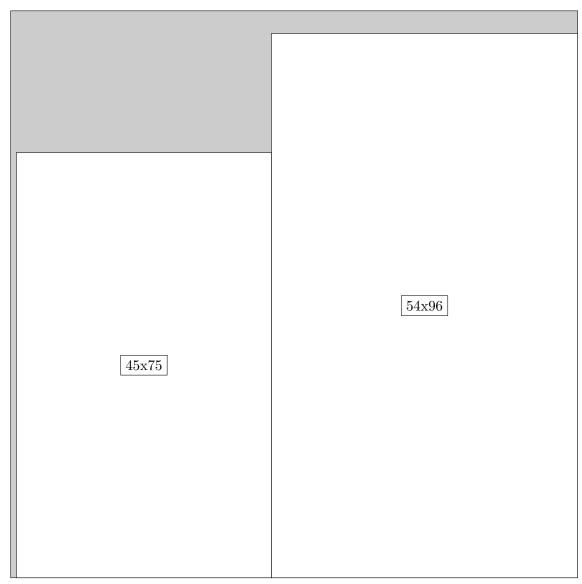
$$\begin{array}{l} w = \!\! 22 \ , \ h = \!\! 86 \ , \ x = \!\! 78 \ , \ y = \!\! 0 \ , \ v = \!\! 1892 \\ w = \!\! 78 \ , \ h = \!\! 85 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 6630 \end{array}$$



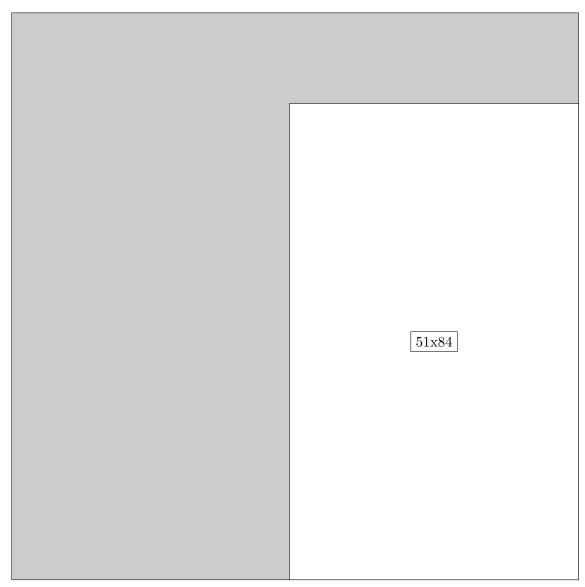
$$\le =22$$
 , h =25 , x =78 , y =0 , v =550

$$\le -78$$
 , h =
23 , x =
0 , y =
0 , v =
1794

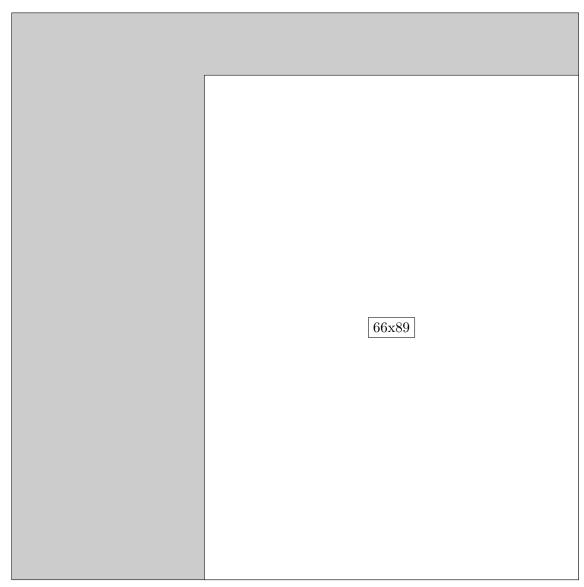
$$\le =80$$
 , h =74 , x =20 , y =26 , v =5920



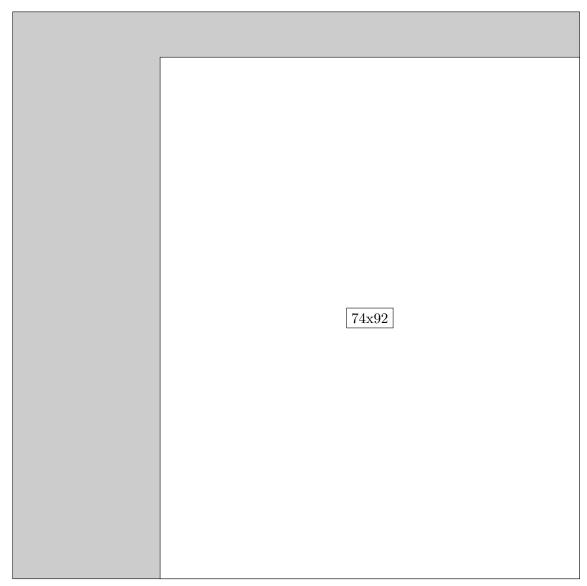
$$\begin{array}{l} w = \! 54 \ , \ h = \! 96 \ , \ x = \! 46 \ , \ y = \! 0 \ , \ v = \! 5184 \\ w = \! 45 \ , \ h = \! 75 \ , \ x = \! 1 \ , \ y = \! 0 \ , \ v = \! 3375 \end{array}$$



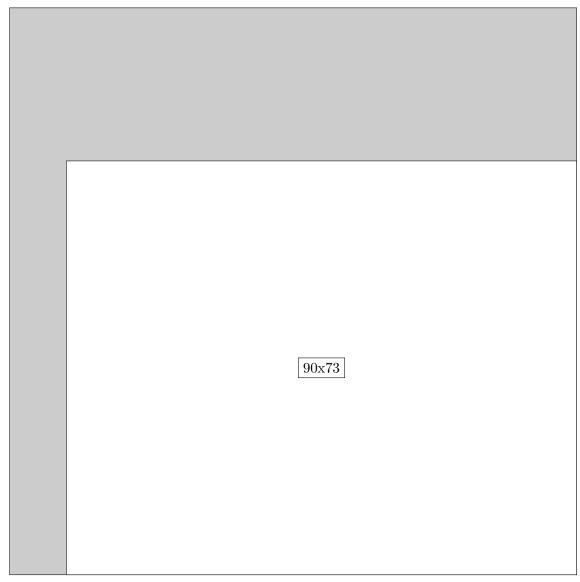
 $\le =51$, h =84 , x =49 , y =0 , v =4284



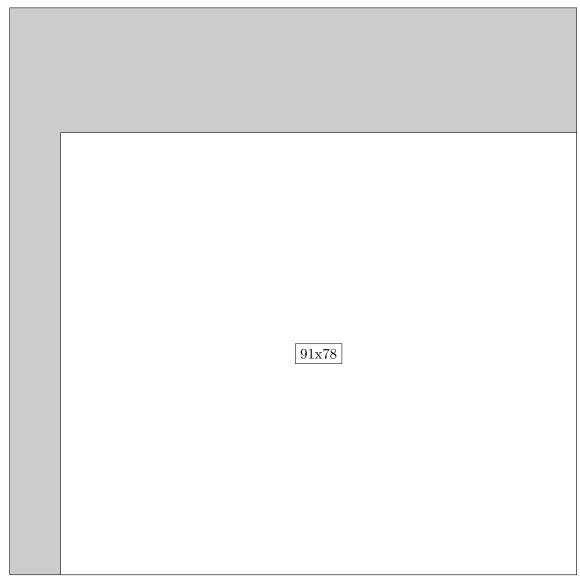
 $\le =66$, h =89 , x =34 , y =0 , v =5874



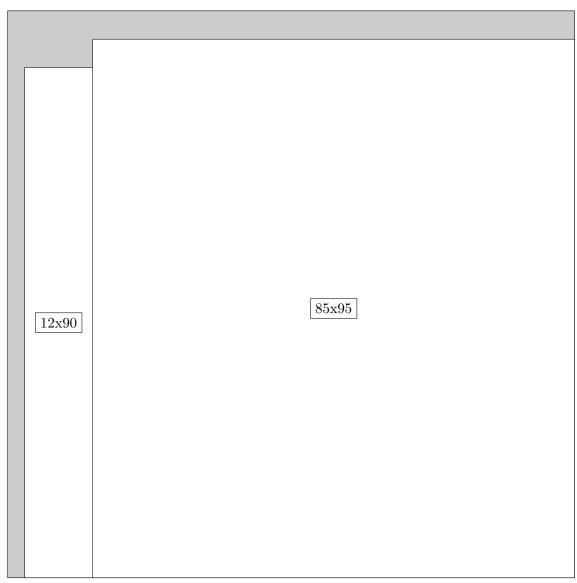
 $\le =74$, h =92 , x =26 , y =0 , v =6808



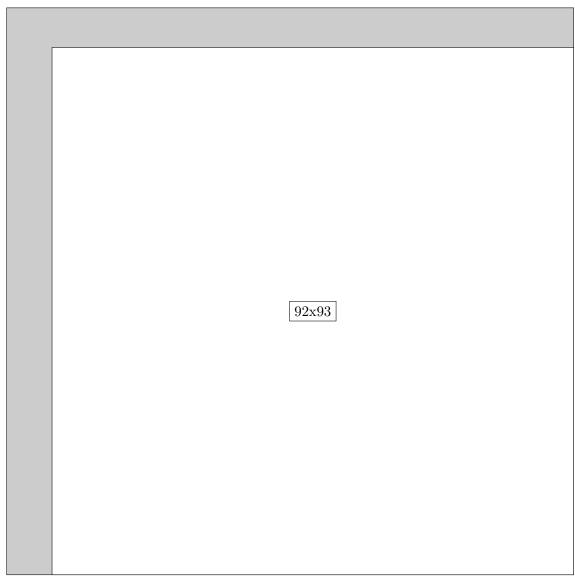
 $\le =90$, h =73 , x =10 , y =0 , v =6570



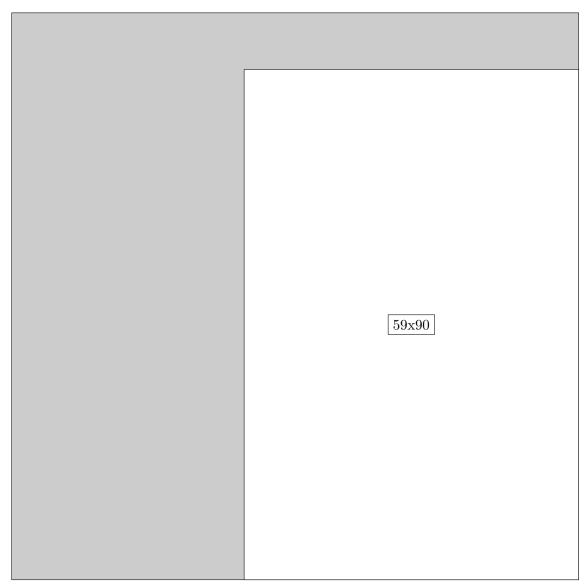
 $\le =91$, h =78 , x =9 , y =0 , v =7098



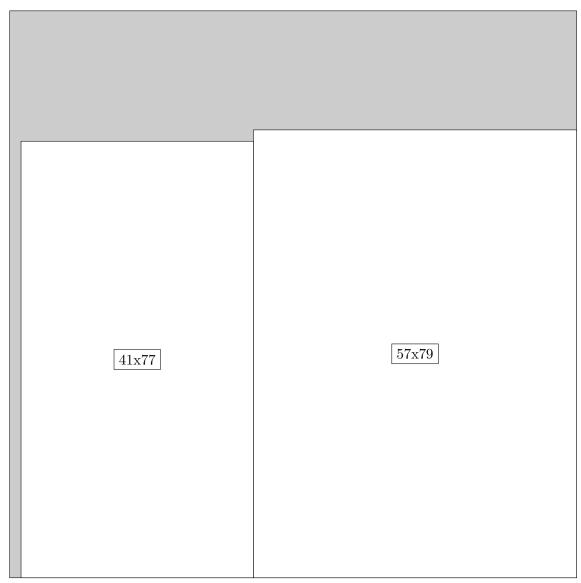
$$\begin{array}{l} w = \! 85 \ , \ h = \! 95 \ , \ x = \! 15 \ , \ y = \! 0 \ , \ v = \! 8075 \\ w = \! 12 \ , \ h = \! 90 \ , \ x = \! 3 \ , \ y = \! 0 \ , \ v = \! 1080 \\ \end{array}$$



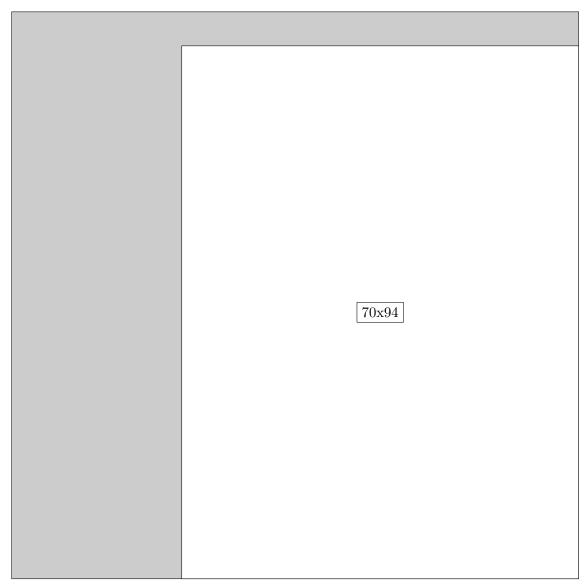
 $\le =92$, h =93 , x =8 , y =0 , v =8556



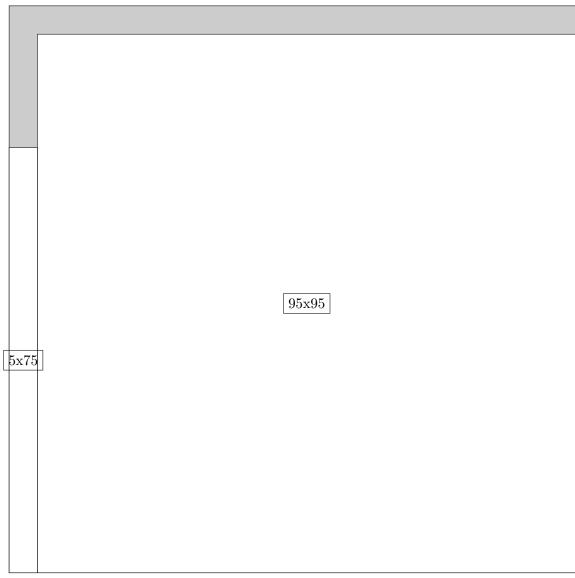
 $\le =59$, h =90 , x =41 , y =0 , v =5310



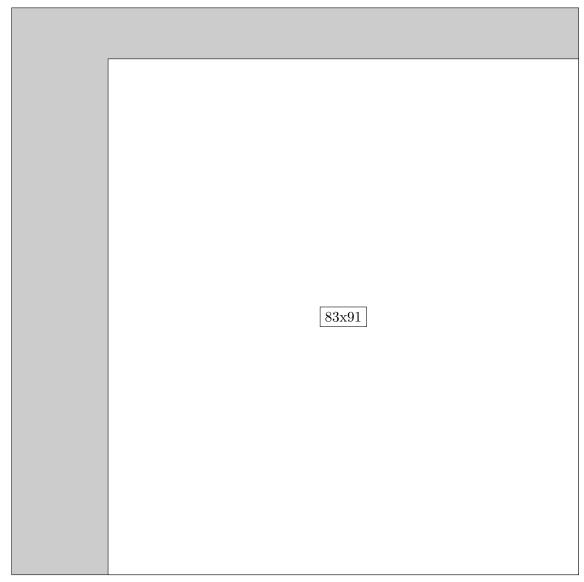
$$\begin{array}{l} w = \!\! 57 \ , \ h = \!\! 79 \ , \ x = \!\! 43 \ , \ y = \!\! 0 \ , \ v = \!\! 4503 \\ w = \!\! 41 \ , \ h = \!\! 77 \ , \ x = \!\! 2 \ , \ y = \!\! 0 \ , \ v = \!\! 3157 \end{array}$$



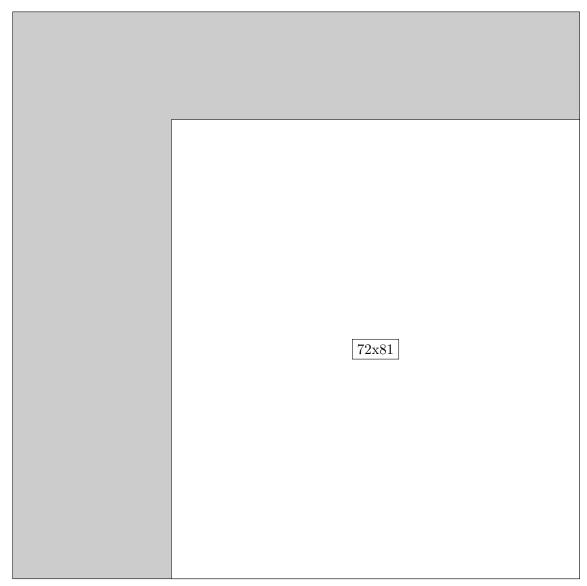
 $\le =70$, h =94 , x =30 , y =0 , v =6580



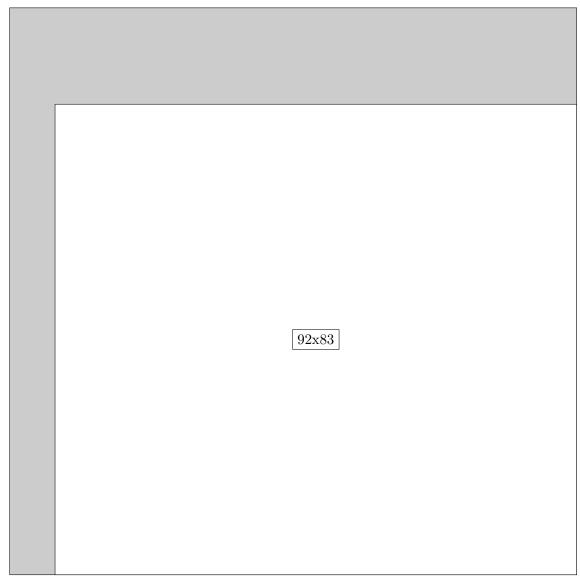
$$\begin{array}{l} w = \! 95 \ , \, h = \! 95 \ , \, x = \! 5 \ , \, y = \! 0 \ , \, v = \! 9025 \\ w = \! 5 \ , \, h = \! 75 \ , \, x = \! 0 \ , \, y = \! 0 \ , \, v = \! 375 \end{array}$$



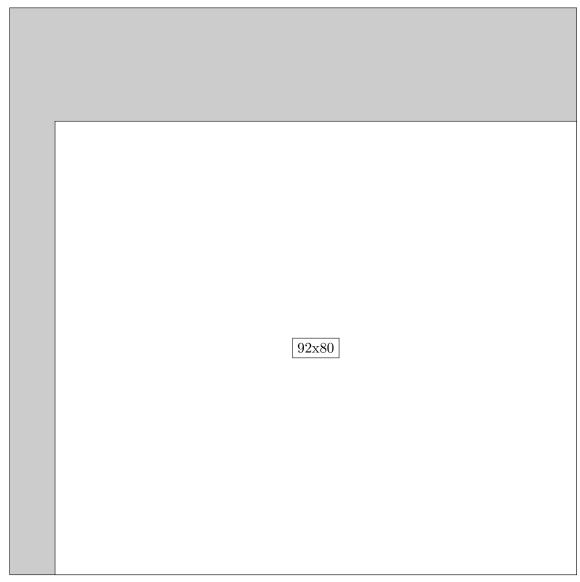
 $\le =83$, h =91 , x =17 , y =0 , v =7553



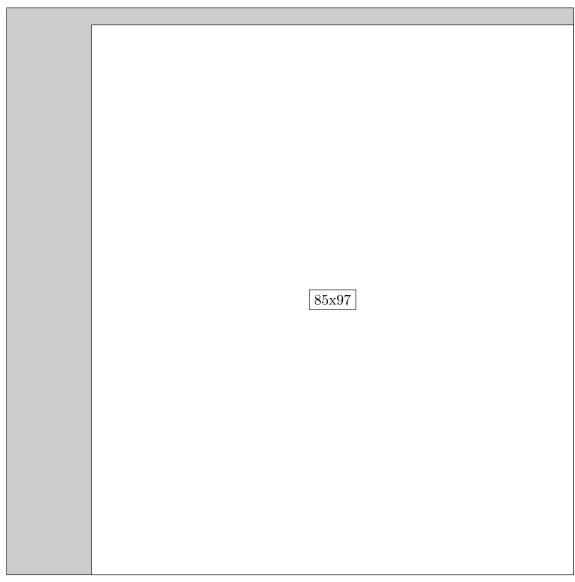
 $\le =72$, h =81 , x =28 , y =0 , v =5832



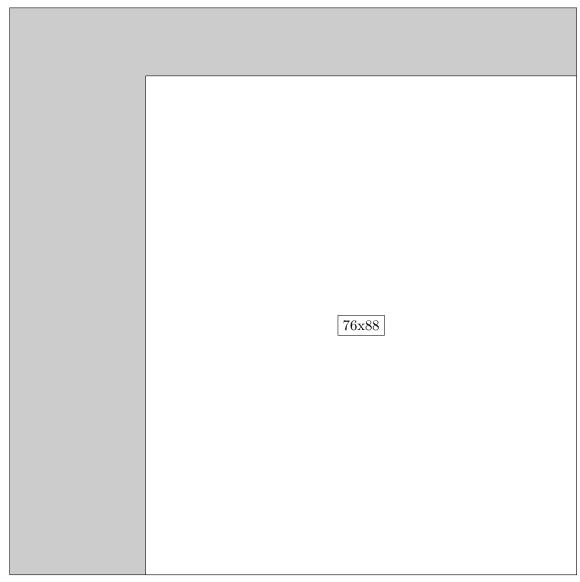
 $\le =92$, h =83 , x =8 , y =0 , v =7636



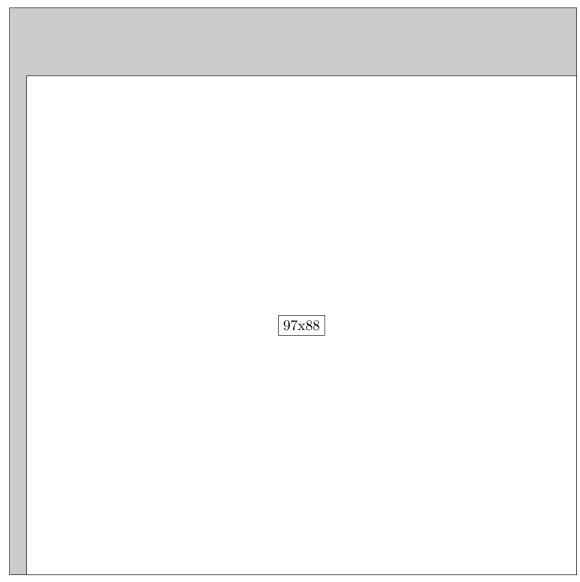
 $\le =92$, h $=\!80$, x $=\!8$, y $=\!0$, v $=\!7360$



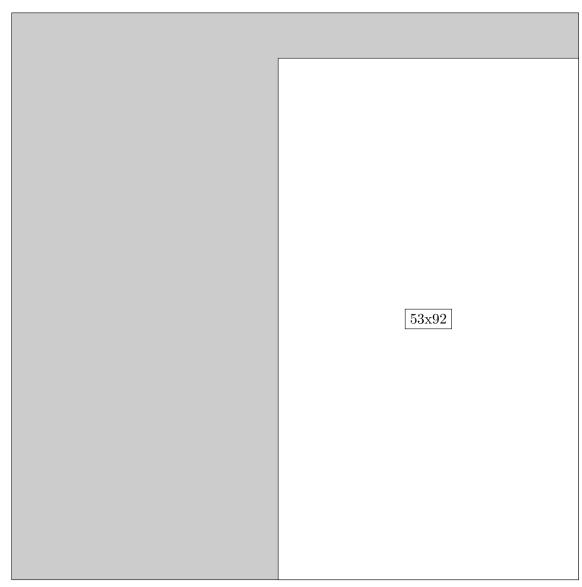
 $\le =85$, h =97 , x =15 , y =0 , v =8245



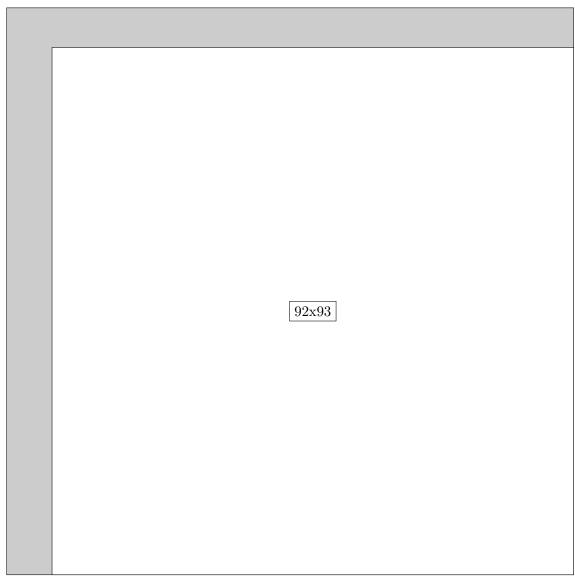
 $\le =76$, h =88 , x =24 , y =0 , v =6688



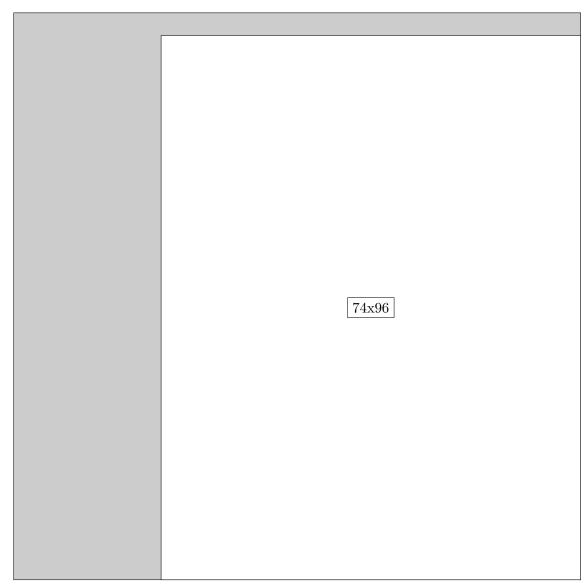
 $\le =97$, h =88 , x =3 , y =0 , v =8536



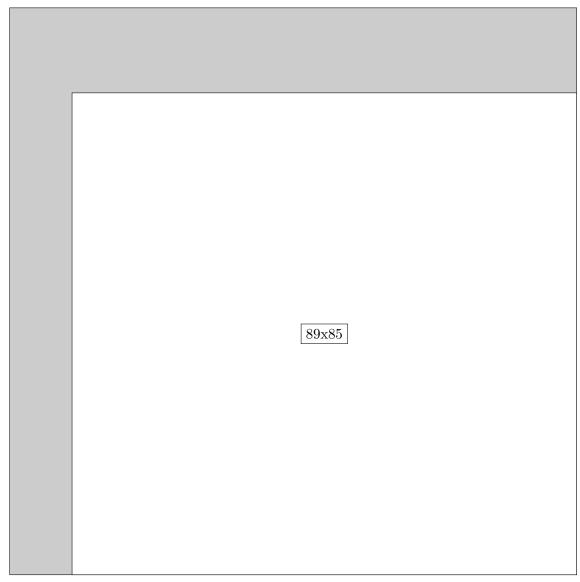
 $\le =53$, h =92 , x =47 , y =0 , v =4876



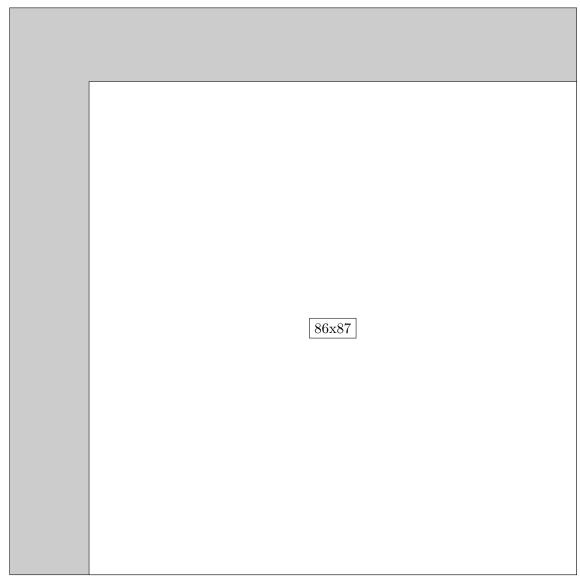
 $\le =92$, h =93 , x =8 , y =0 , v =8556



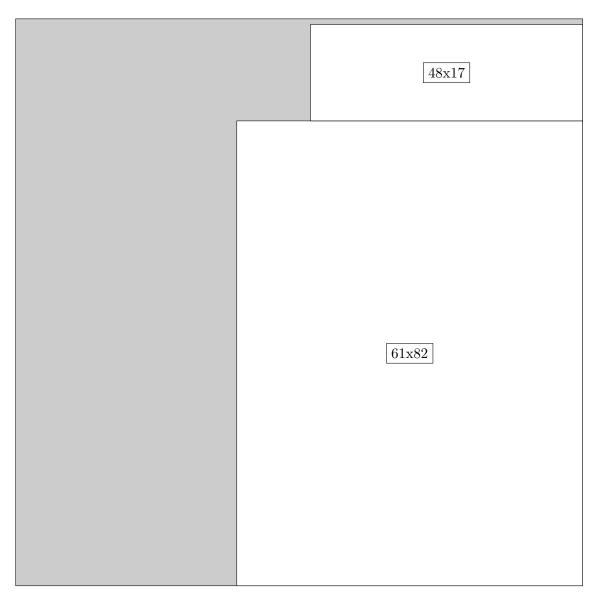
 $\le =74$, h =96 , x =26 , y =0 , v =7104



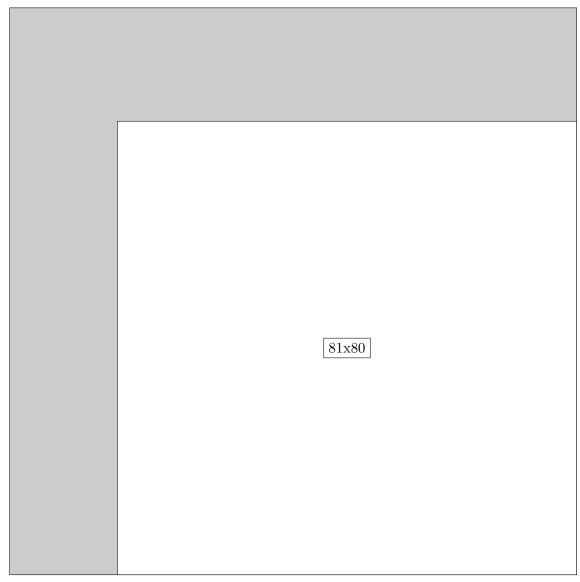
 $\le =89$, h =85 , x =11 , y =0 , v =7565



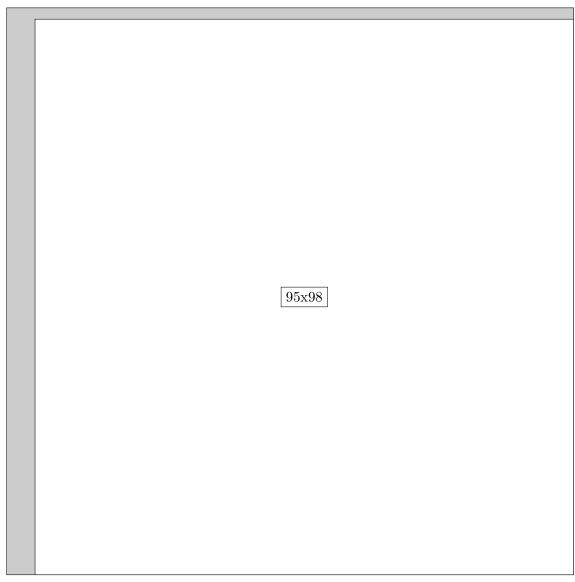
 $\le =86$, h =87 , x =14 , y =0 , v =7482



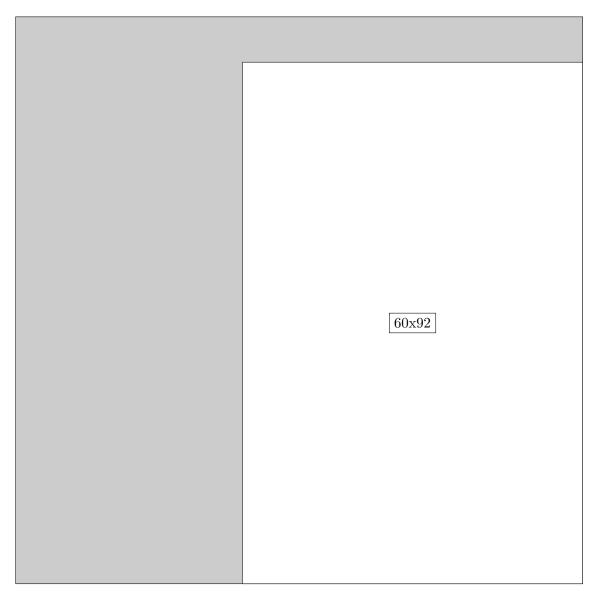
$$\begin{array}{l} w = \! 61 \ , \ h = \! 82 \ , \ x = \! 39 \ , \ y = \! 0 \ , \ v = \! 5002 \\ w = \! 48 \ , \ h = \! 17 \ , \ x = \! 52 \ , \ y = \! 82 \ , \ v = \! 816 \end{array}$$



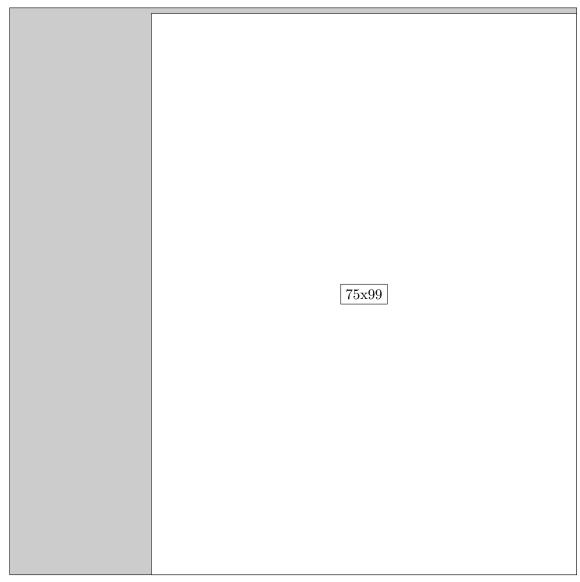
 $\le =81$, h=80 , x=19 , y=0 , v=6480



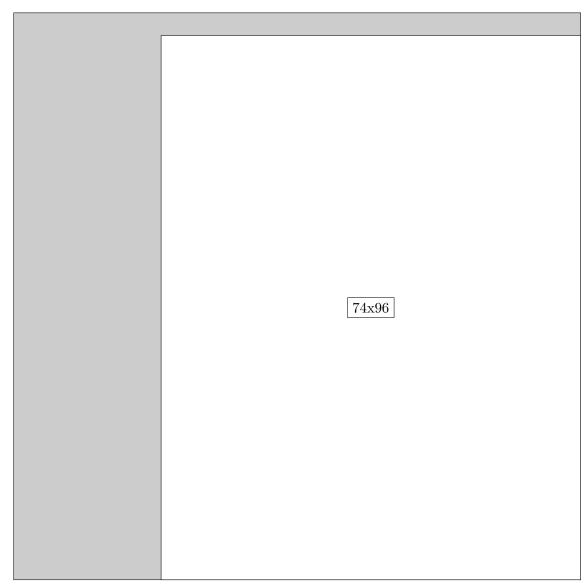
 $\le =95$, h =98 , x =5 , y =0 , v =9310



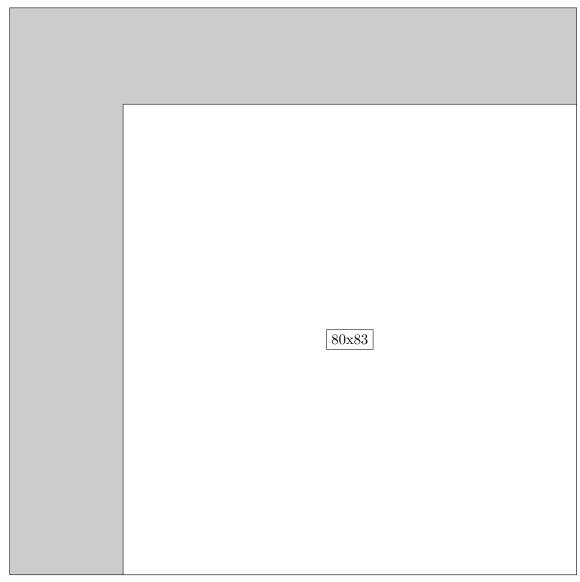
 $\le =60$, h =92 , x =40 , y =0 , v =5520



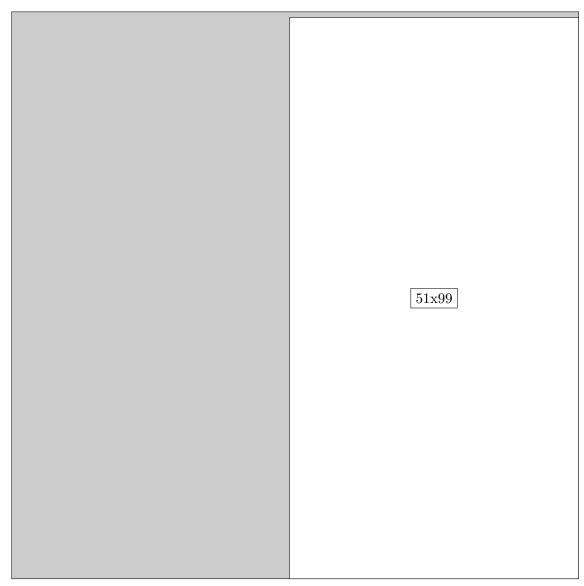
 $\le =75$, h =99 , x =25 , y =0 , v =7425



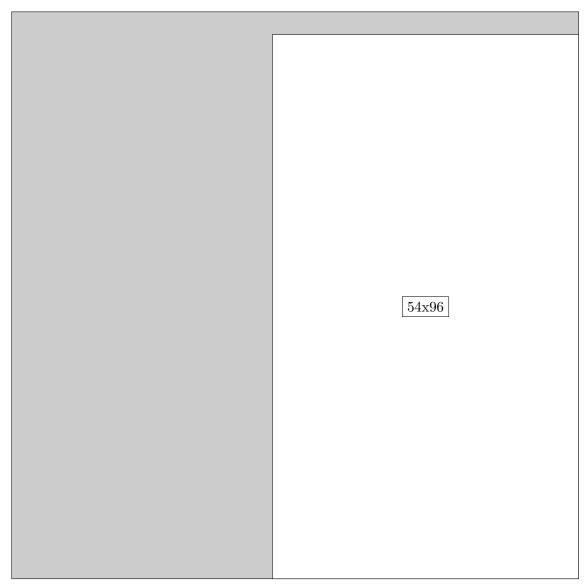
 $\le =74$, h =96 , x =26 , y =0 , v =7104



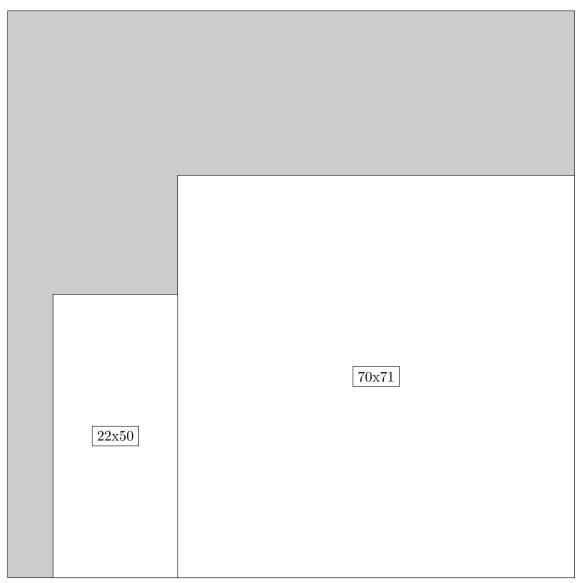
 $\le =80$, h =83 , x =20 , y =0 , v =6640



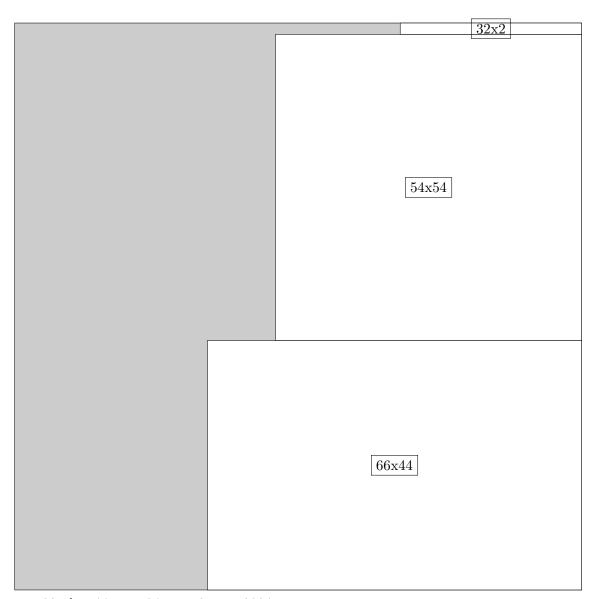
 $\le =51$, h =99 , x =49 , y =0 , v =5049



 $\le =54$, h=96 , x=46 , y=0 , v=5184



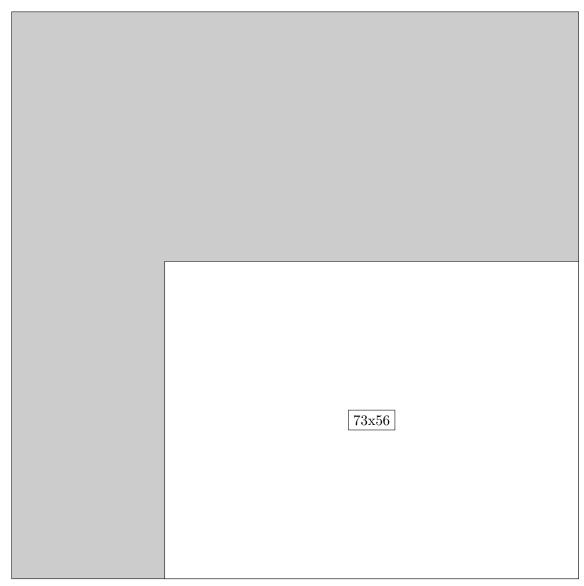
$$\begin{array}{l} w = \! 70 \ , \ h = \! 71 \ , \ x = \! 30 \ , \ y = \! 0 \ , \ v = \! 4970 \\ w = \! 22 \ , \ h = \! 50 \ , \ x = \! 8 \ , \ y = \! 0 \ , \ v = \! 1100 \end{array}$$



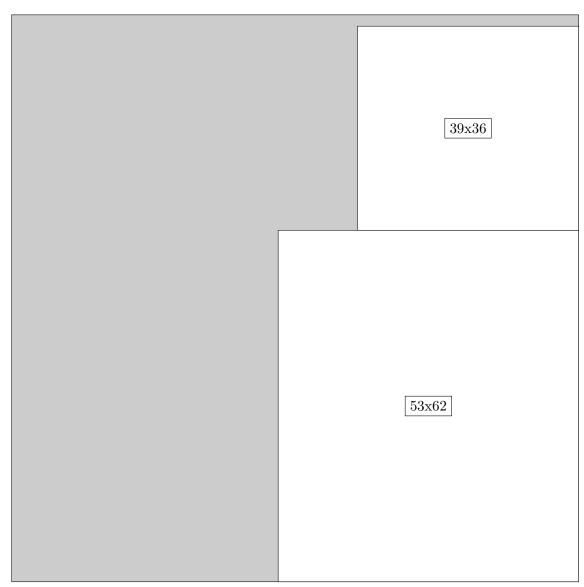
 $\le =66$, h =44 , x =34 , y =0 , v =2904

 $w=\!54$, $h=\!54$, $x=\!46$, $y=\!44$, $v=\!2916$

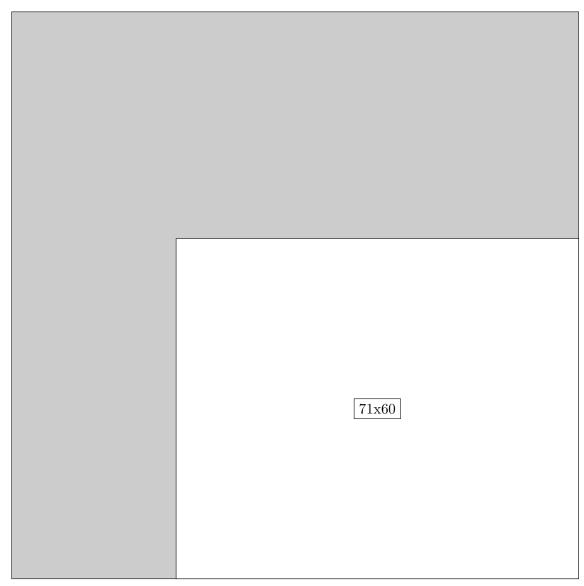
w = 32, h = 2, x = 68, y = 98, v = 64



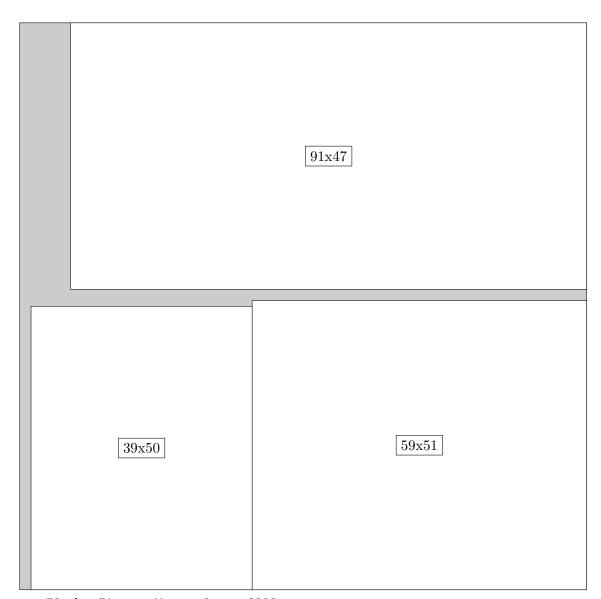
 $\le =73$, h = 56 , x = 27 , y = 0 , v = 4088



$$\begin{array}{l} w = \!53 \ , \, h = \!62 \ , \, x = \!47 \ , \, y = \!0 \ , \, v = \!3286 \\ w = \!39 \ , \, h = \!36 \ , \, x = \!61 \ , \, y = \!62 \ , \, v = \!1404 \end{array}$$

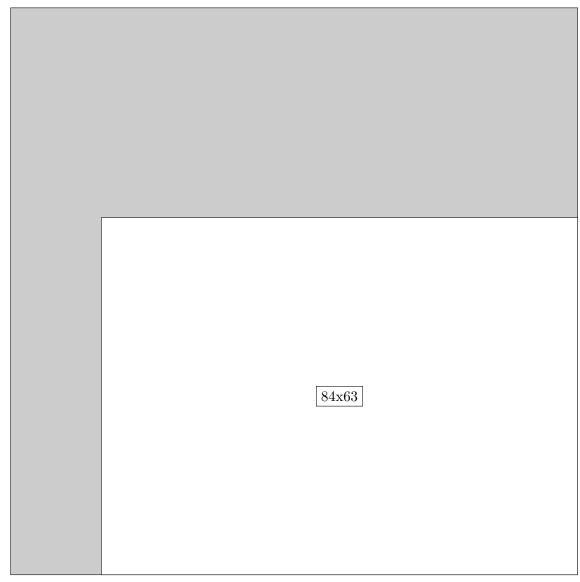


 $\le =71$, h =60 , x =29 , y =0 , v =4260

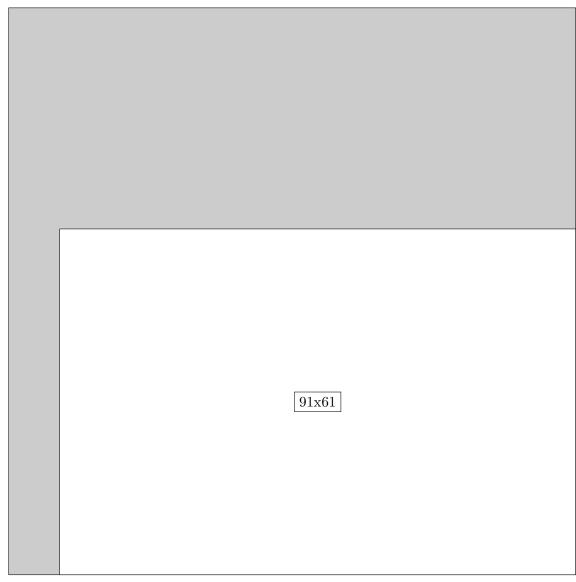


$$\begin{array}{l} w = \!59 \ , \ h = \!51 \ , \ x = \!41 \ , \ y = \!0 \ , \ v = \!3009 \\ w = \!39 \ , \ h = \!50 \ , \ x = \!2 \ , \ y = \!0 \ , \ v = \!1950 \end{array}$$

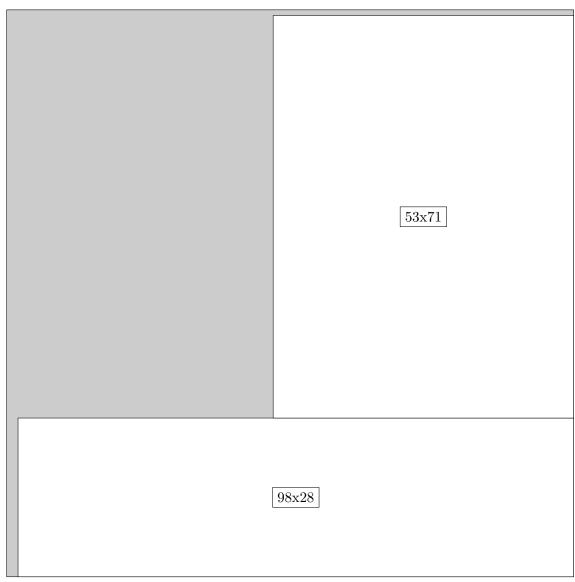
$$w = 91$$
, $h = 47$, $x = 9$, $y = 53$, $v = 4277$

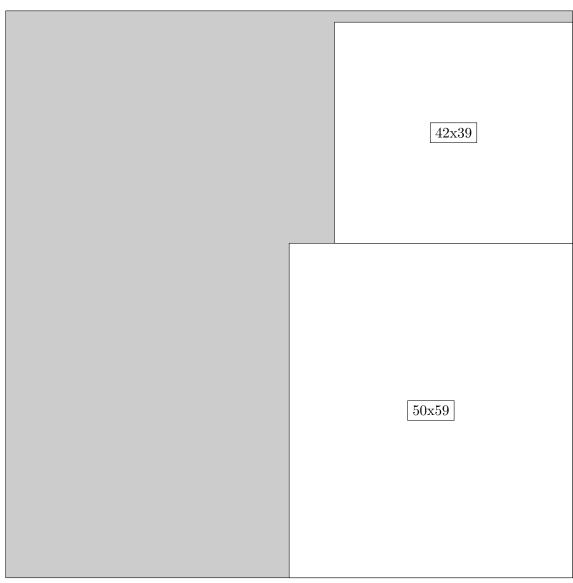


 $\le =84$, h =63 , x =16 , y =0 , v =5292

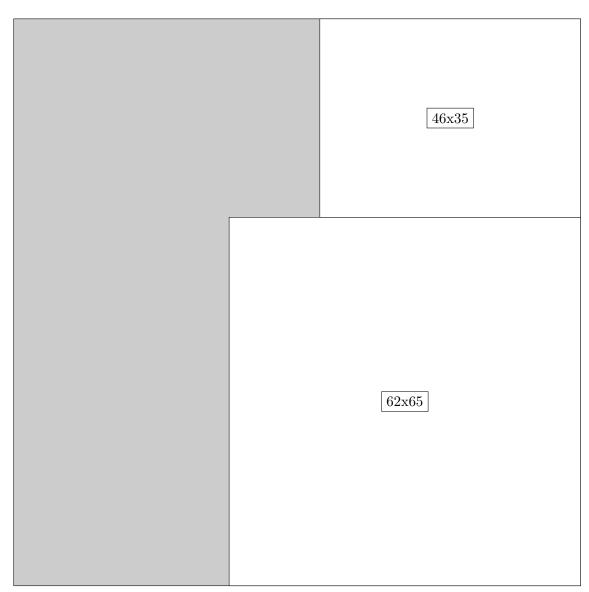


 $\le =91$, h=61 , x=9 , y=0 , v=5551

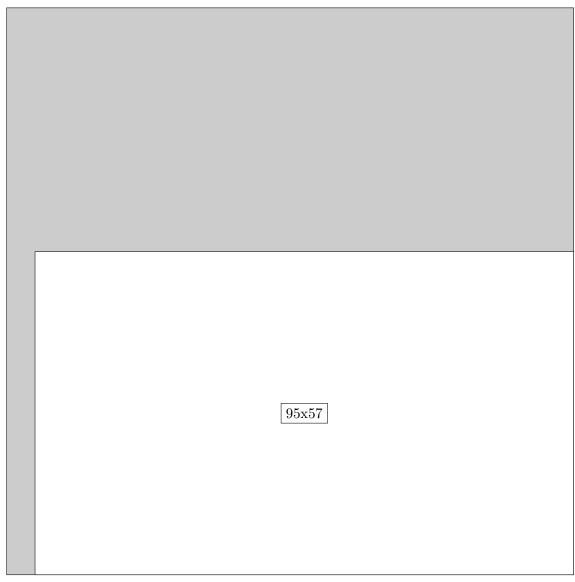




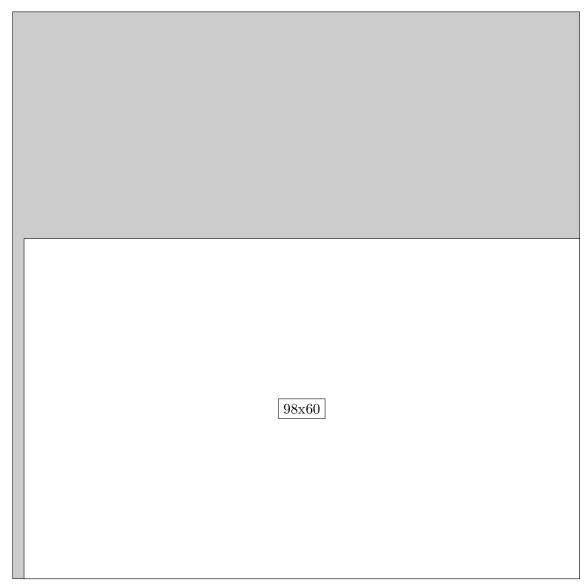
$$\begin{array}{l} w = \! 50 \ , \, h = \! 59 \ , \, x = \! 50 \ , \, y = \! 0 \ , \, v = \! 2950 \\ w = \! 42 \ , \, h = \! 39 \ , \, x = \! 58 \ , \, y = \! 59 \ , \, v = \! 1638 \end{array}$$



$$\begin{array}{l} w = \!62 \ , \, h = \!65 \ , \, x = \!38 \ , \, y = \!0 \ , \, v = \!4030 \\ w = \!46 \ , \, h = \!35 \ , \, x = \!54 \ , \, y = \!65 \ , \, v = \!1610 \end{array}$$



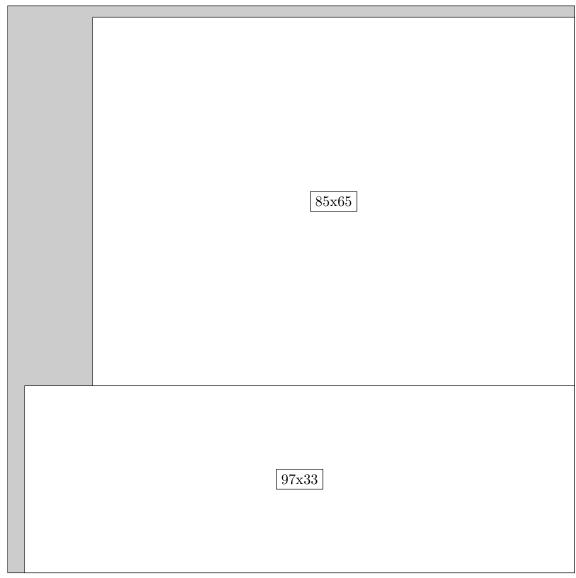
 ≤ -95 , h =57 , x =5 , y =0 , v =5415



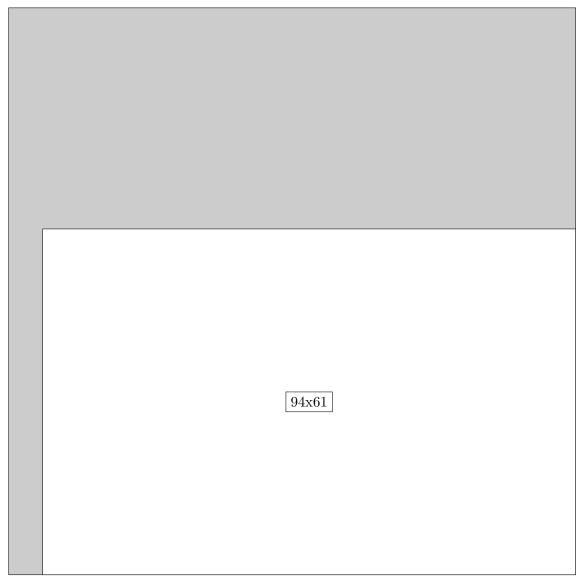
 $\le =98$, h =60 , x =2 , y =0 , v =5880



 $\le =95$, h =56 , x =5 , y =0 , v =5320



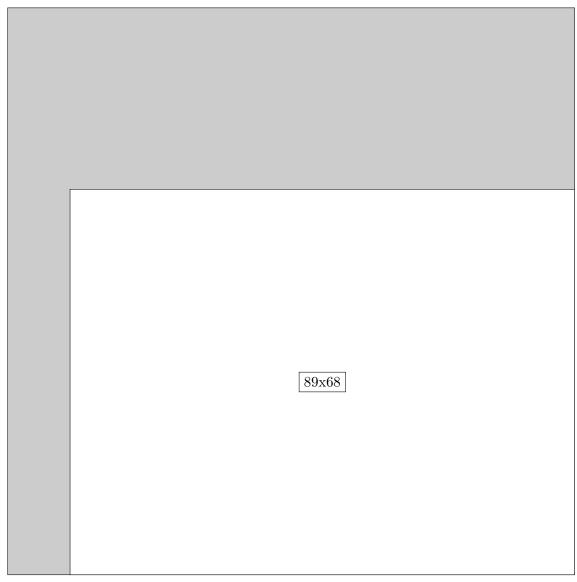
$$\begin{array}{l} w = \! 97 \; , \; h = \! 33 \; , \; x = \! 3 \; , \; y = \! 0 \; , \; v = \! 3201 \\ w = \! 85 \; , \; h = \! 65 \; , \; x = \! 15 \; , \; y = \! 33 \; , \; v = \! 5525 \end{array}$$



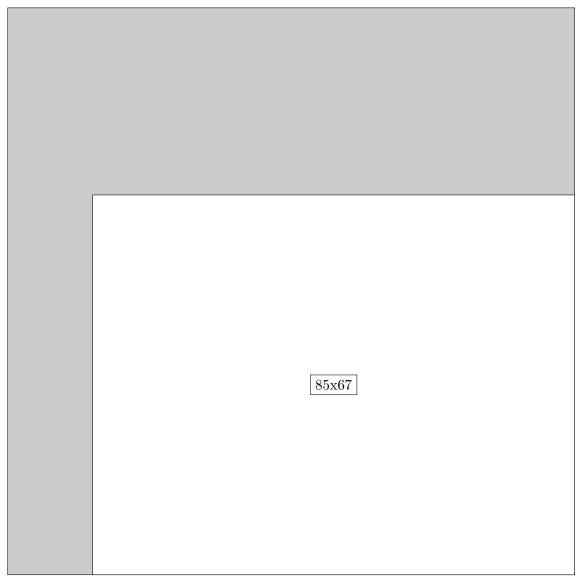
 $\le =94$, h =61 , x =6 , y =0 , v =5734



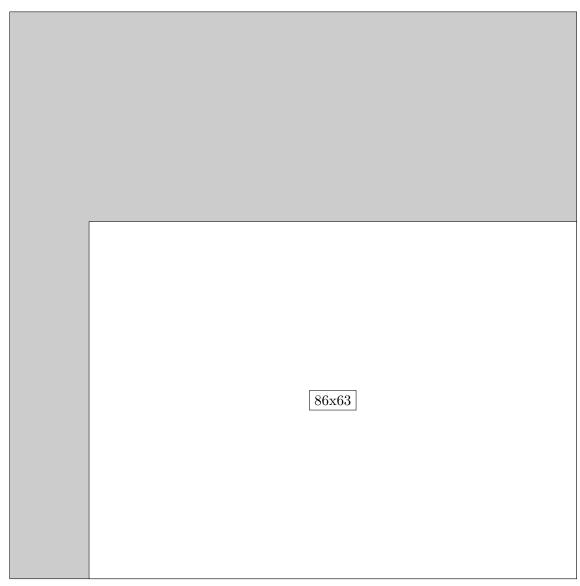
$$\begin{array}{l} w = \! 98 \ , \ h = \! 60 \ , \ x = \! 2 \ , \ y = \! 0 \ , \ v = \! 5880 \\ w = \! 95 \ , \ h = \! 36 \ , \ x = \! 5 \ , \ y = \! 60 \ , \ v = \! 3420 \end{array}$$



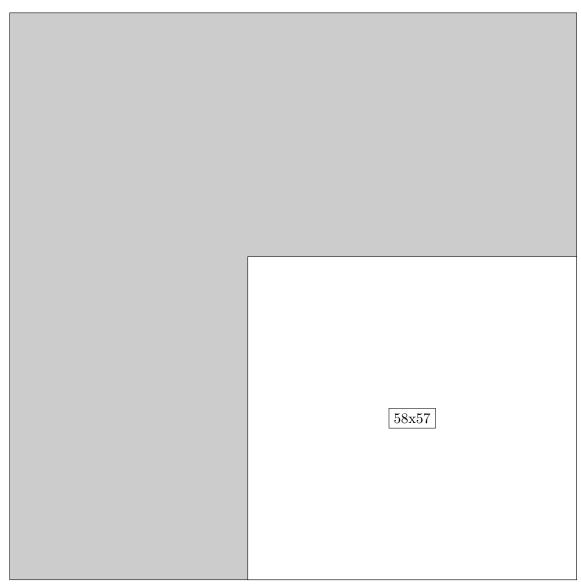
 $\le =89$, h =68 , x =11 , y =0 , v =6052



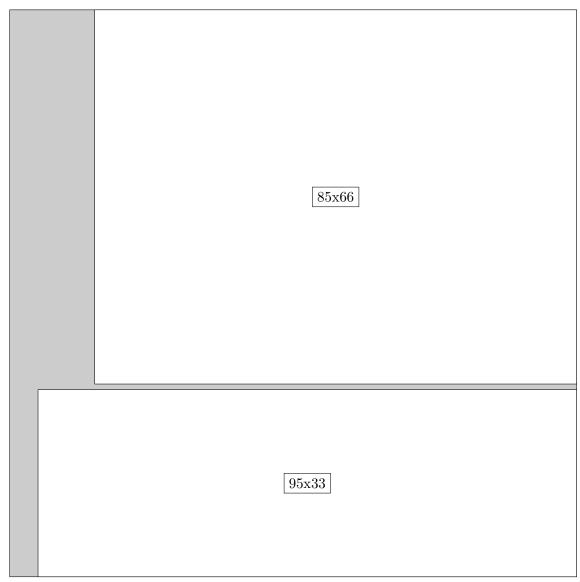
 $\le =85$, h =67 , x =15 , y =0 , v =5695



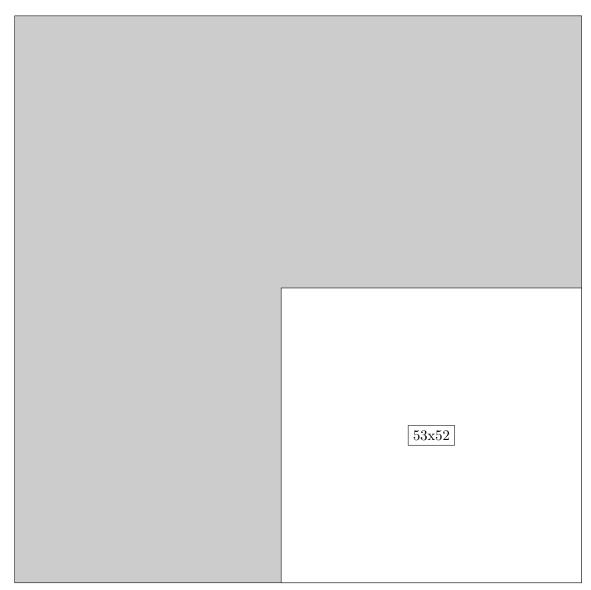
 $\le =86$, h =63 , x =14 , y =0 , v =5418



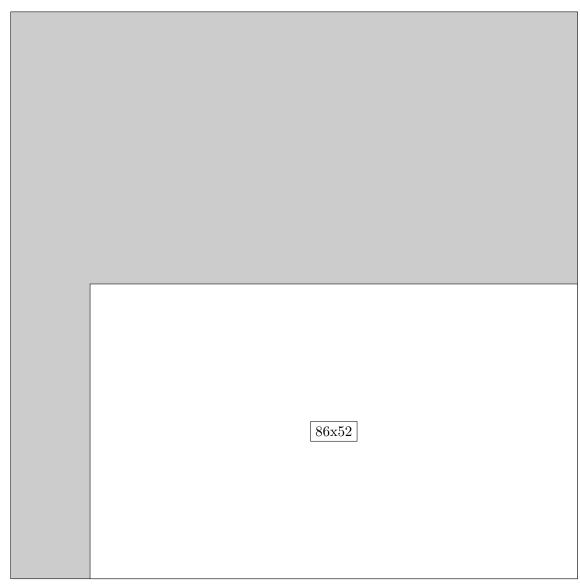
 $\le =58$, h =57 , x =42 , y =0 , v =3306



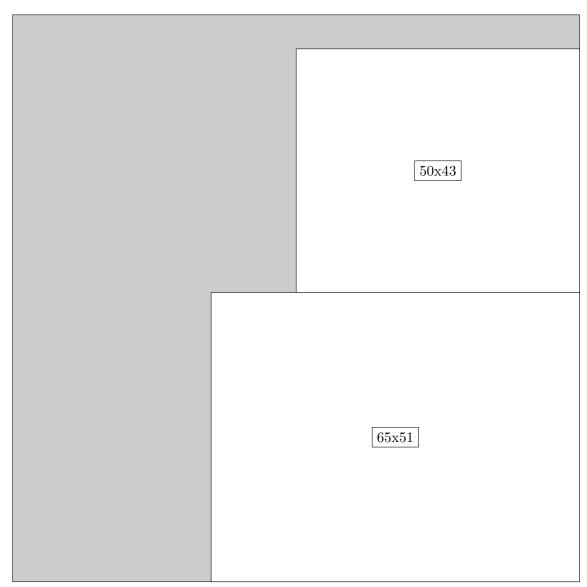
$$\begin{array}{c} w = \! 95 \; , \; h = \! 33 \; , \; x = \! 5 \; , \; y = \! 0 \; , \; v = \! 3135 \\ w = \! 85 \; , \; h = \! 66 \; , \; x = \! 15 \; , \; y = \! 34 \; , \; v = \! 5610 \\ \end{array}$$



 $\le =53$, h =52 , x =47 , y =0 , v =2756



 $\le =86$, h =52 , x =14 , y =0 , v =4472



$$\begin{array}{l} w = \!65 \ , \, h = \!51 \ , \, x = \!35 \ , \, y = \!0 \ , \, v = \!3315 \\ w = \!50 \ , \, h = \!43 \ , \, x = \!50 \ , \, y = \!51 \ , \, v = \!2150 \end{array}$$