$ClassName: \ Class_09.2bp-44$

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

TypeNum: <u>99</u> Num: <u>100</u> OutS: <u>650000</u> InS: <u>412717</u> Rate: <u>0.635</u> UB: <u>65</u> LB0: <u>65</u> LB: <u>65</u>

LBWithCut: $\underline{\mathbf{65}}$ NodeCut: $\underline{\mathbf{0}}$

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

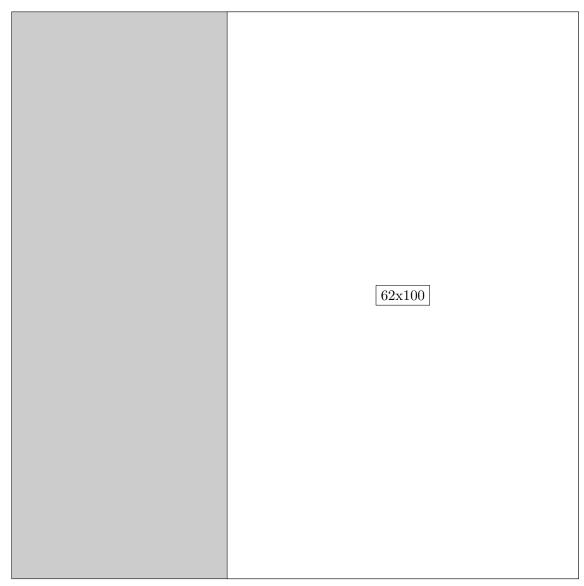
GenNodeCnt: 1
PrimalNode: 0
ColumnCount: 65
TotalCutCount: 0
RootCutCount: 1
PricingSolverCnt: 1
PricingSolverCnt: 0
Branch And Bound Nu

Branch And
Bound Num: $\underline{\mathbf{1}}$

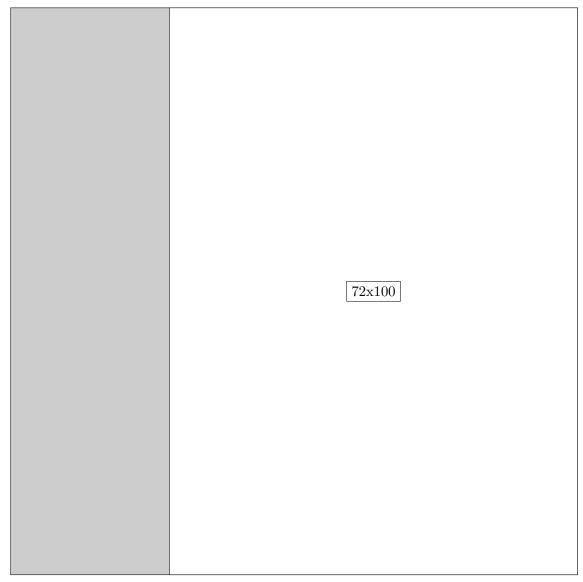
isOpt: $\underline{\mathbf{true}}$

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

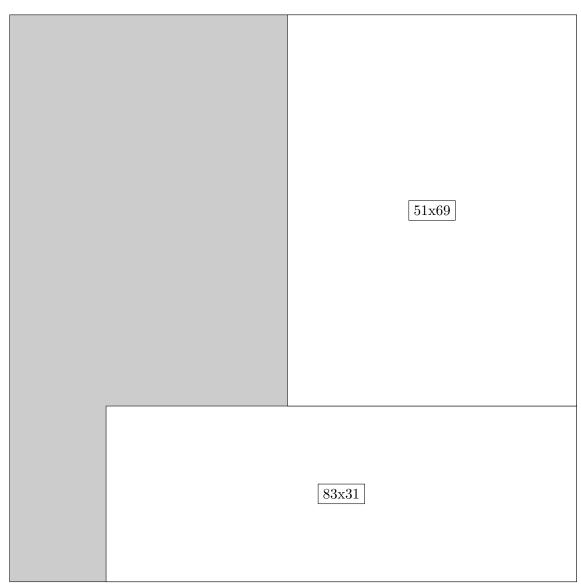
TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.063 sTotalTime: 600.328 s



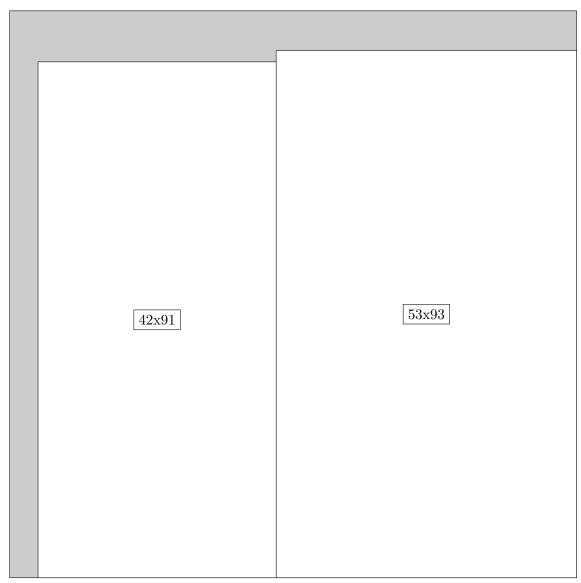
 $\le =62$, h = 100 , x = 38 , y = 0 , v = 6200



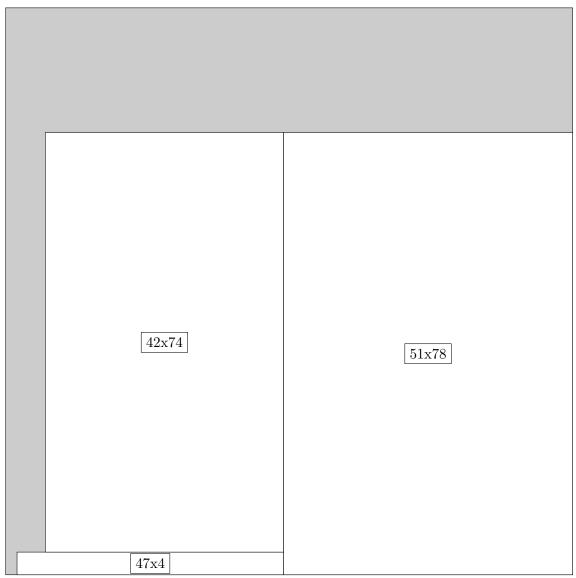
 $\le =72$, h =100 , x =28 , y =0 , v =7200



$$\begin{array}{l} w = \! 83 \ , \, h = \! 31 \ , \, x = \! 17 \ , \, y = \! 0 \ , \, v = \! 2573 \\ w = \! 51 \ , \, h = \! 69 \ , \, x = \! 49 \ , \, y = \! 31 \ , \, v = \! 3519 \end{array}$$



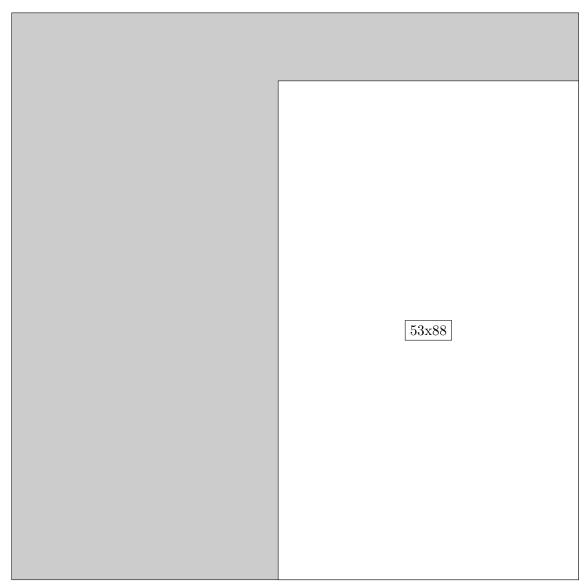
$$\begin{array}{l} w = \!\! 53 \ , \ h = \!\! 93 \ , \ x = \!\! 47 \ , \ y = \!\! 0 \ , \ v = \!\! 4929 \\ w = \!\! 42 \ , \ h = \!\! 91 \ , \ x = \!\! 5 \ , \ y = \!\! 0 \ , \ v = \!\! 3822 \end{array}$$



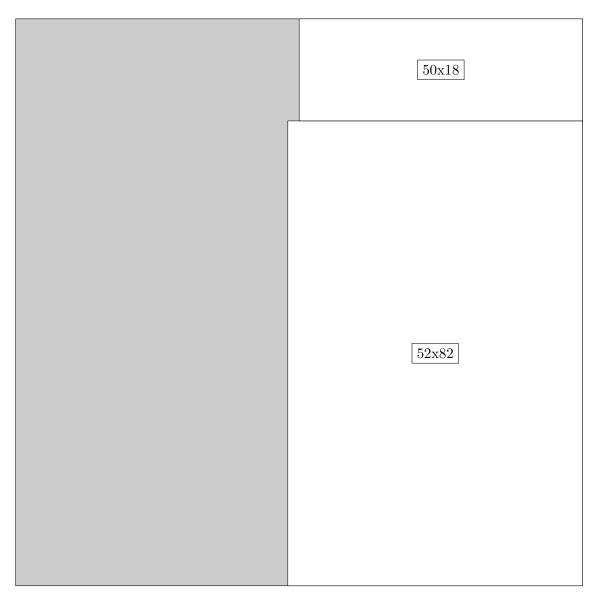
$$\le =51$$
 , $h=78$, $x=49$, $y=0$, $v=3978$

$$\le =47$$
 , h =4 , x =2 , y =0 , v =188

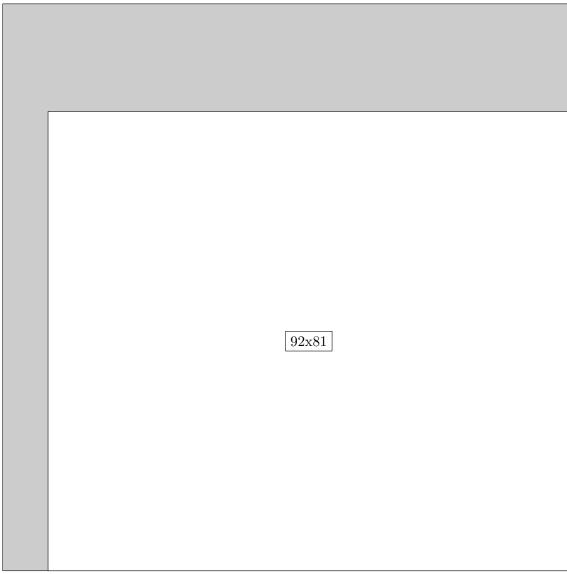
$$\mathbf{w}$$
 =42 , h =74 , x =7 , y =4 , v =3108



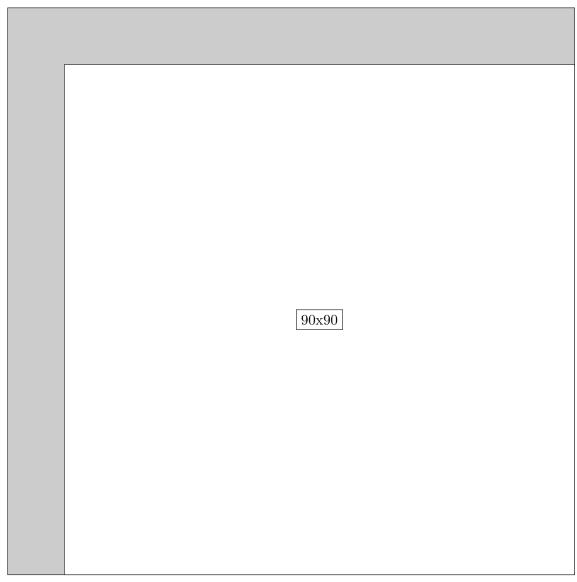
 $\le =53$, h =88 , x =47 , y =0 , v =4664



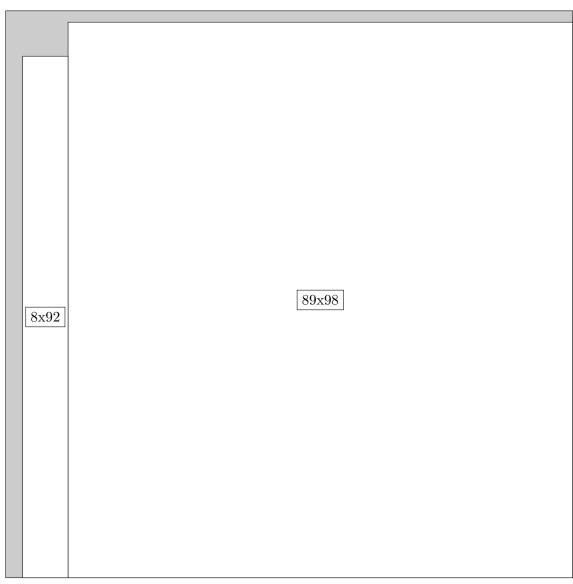
$$\begin{array}{l} w = \! 52 \ , \ h = \! 82 \ , \ x = \! 48 \ , \ y = \! 0 \ , \ v = \! 4264 \\ w = \! 50 \ , \ h = \! 18 \ , \ x = \! 50 \ , \ y = \! 82 \ , \ v = \! 900 \end{array}$$



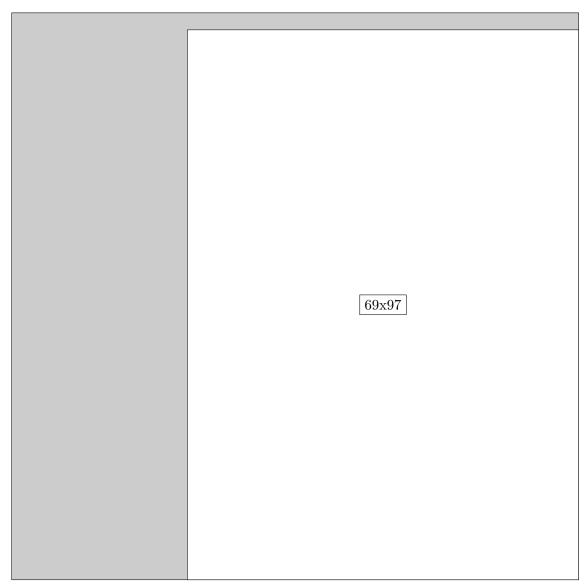
 $\le =92$, h =81 , x =8 , y =0 , v =7452



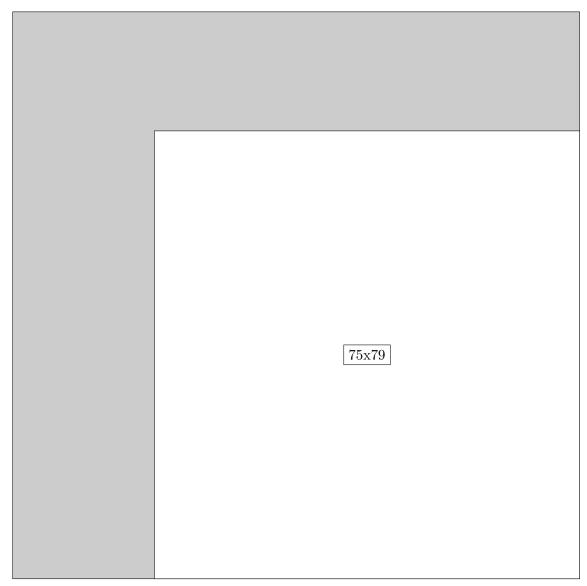
 $\le =90$, h=90 , $x=\!10$, $y=\!0$, $v=\!8100$



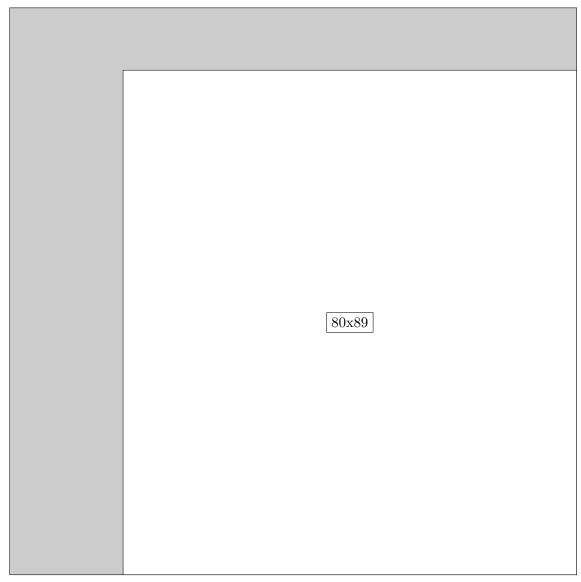
 $\begin{array}{l} w = \! 89 \; , \; h = \! 98 \; , \; x = \! 11 \; , \; y = \! 0 \; , \; v = \! 8722 \\ w = \! 8 \; , \; h = \! 92 \; , \; x = \! 3 \; , \; y = \! 0 \; , \; v = \! 736 \end{array}$



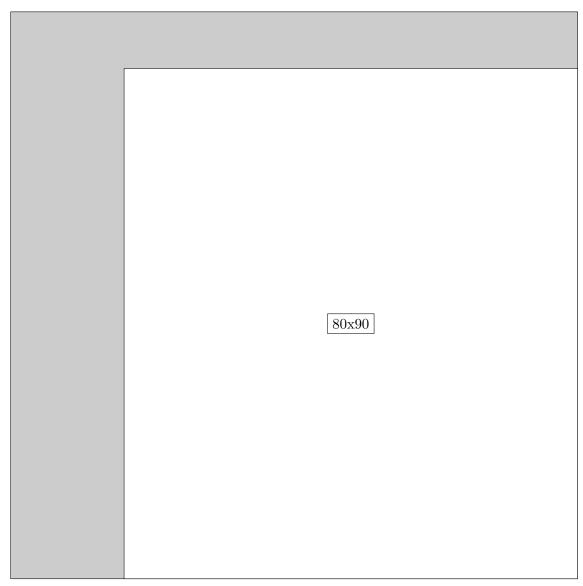
 $\le =69$, h =97 , x =31 , y =0 , v =6693



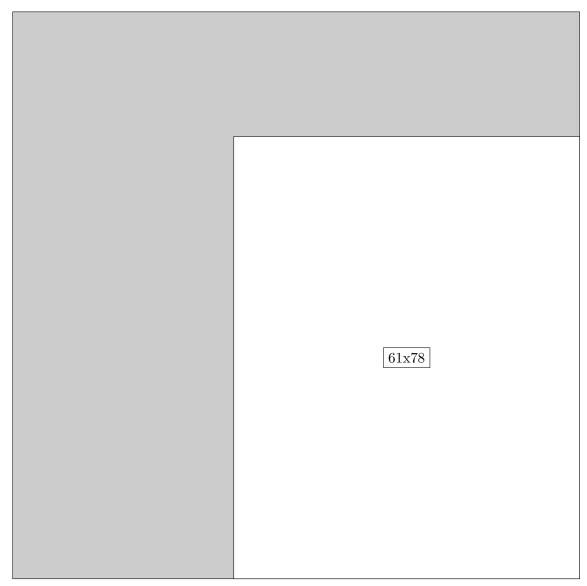
 $\le =75$, h =79 , x =25 , y =0 , v =5925



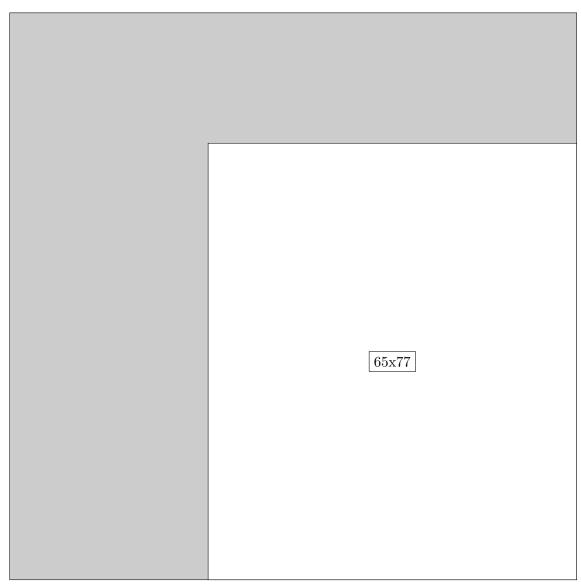
 $\le =80$, h =89 , x =20 , y =0 , v =7120



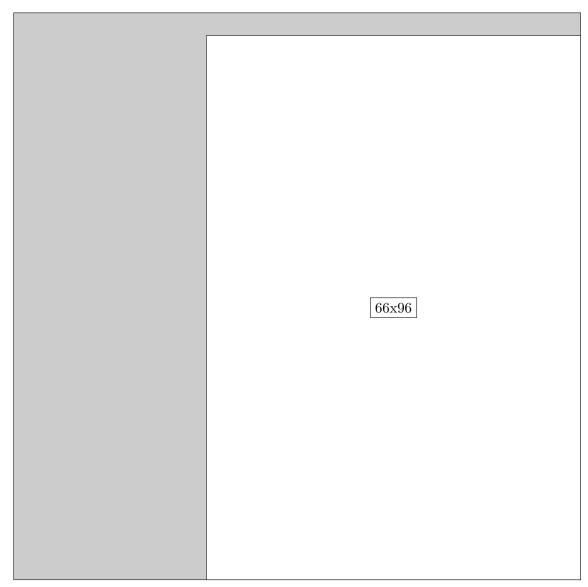
 $\le =80$, h =90 , x =20 , y =0 , v =7200



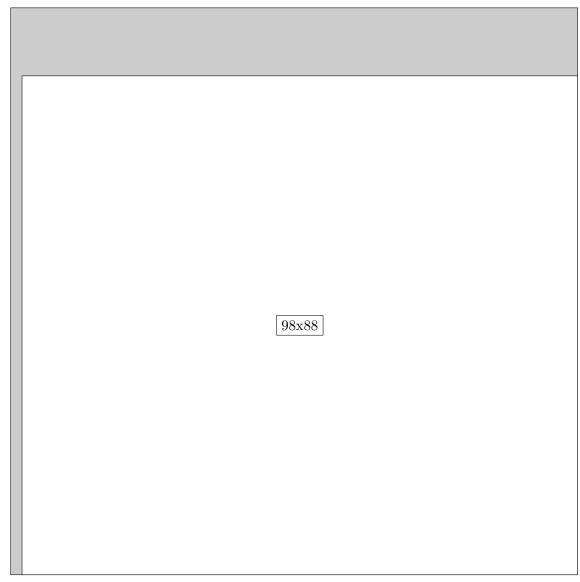
 $\le =61$, h=78 , x=39 , y=0 , v=4758



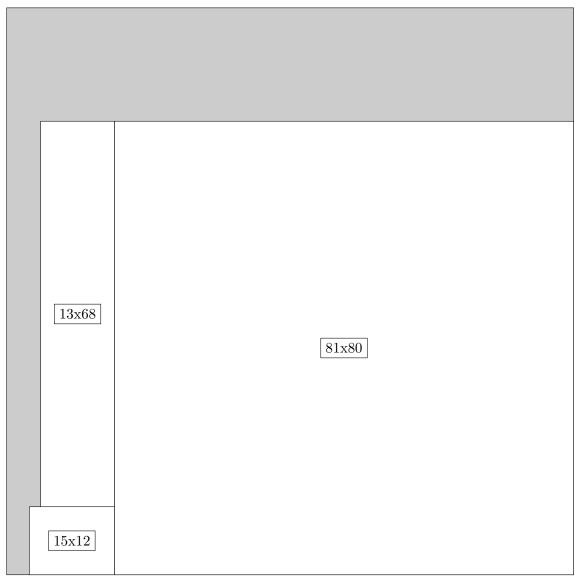
 $\le =65$, h =77 , x =35 , y =0 , v =5005



 $\le =66$, h=96 , x=34 , y=0 , v=6336



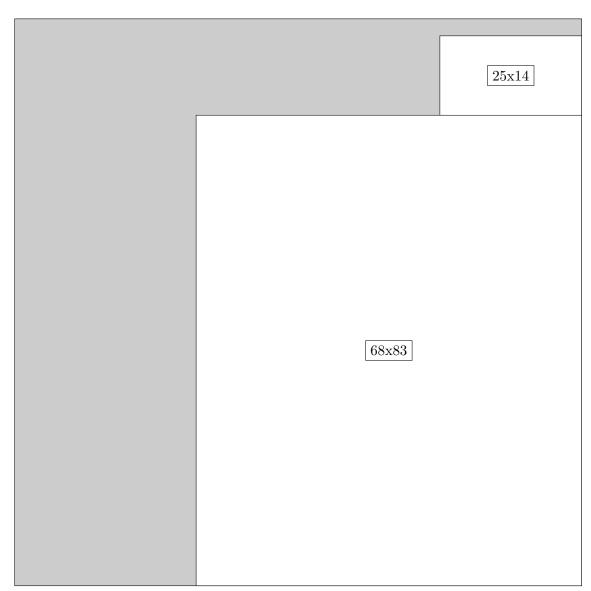
 $\le =98$, h =88 , x =2 , y =0 , v =8624



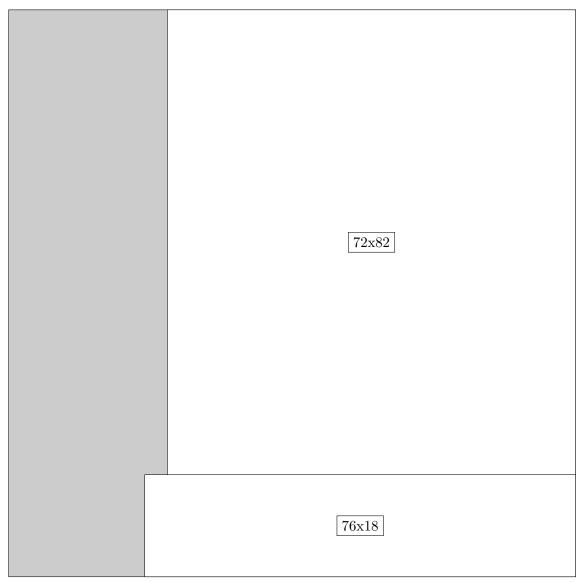
$$w$$
 =81 , h =80 , x =19 , y =0 , v =6480

$$\le =15$$
 , h =12 , x =4 , y =0 , v =180

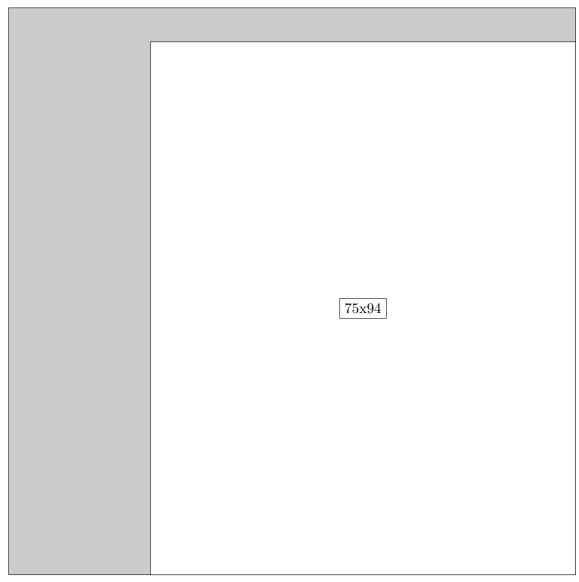
$$\le =13$$
 , h =68 , x =6 , y =12 , v =884



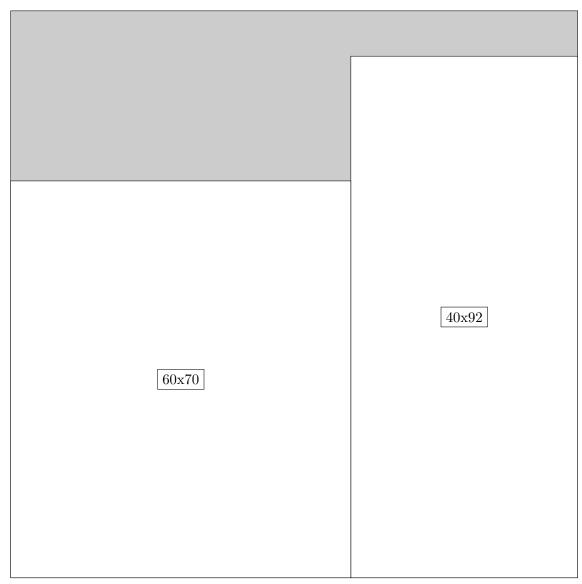
$$\begin{array}{l} w = \!68 \; , \; h = \!83 \; , \; x = \!32 \; , \; y = \!0 \; , \; v = \!5644 \\ w = \!25 \; , \; h = \!14 \; , \; x = \!75 \; , \; y = \!83 \; , \; v = \!350 \end{array}$$



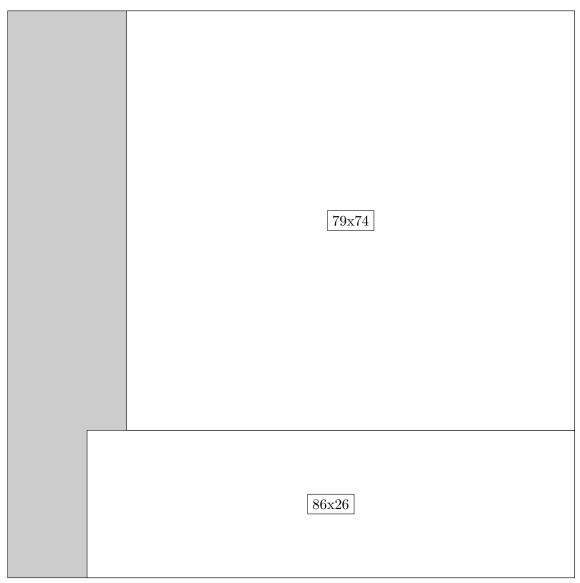
$$\begin{array}{l} w = \! 76 \ , \, h = \! 18 \ , \, x = \! 24 \ , \, y = \! 0 \ , \, v = \! 1368 \\ w = \! 72 \ , \, h = \! 82 \ , \, x = \! 28 \ , \, y = \! 18 \ , \, v = \! 5904 \end{array}$$



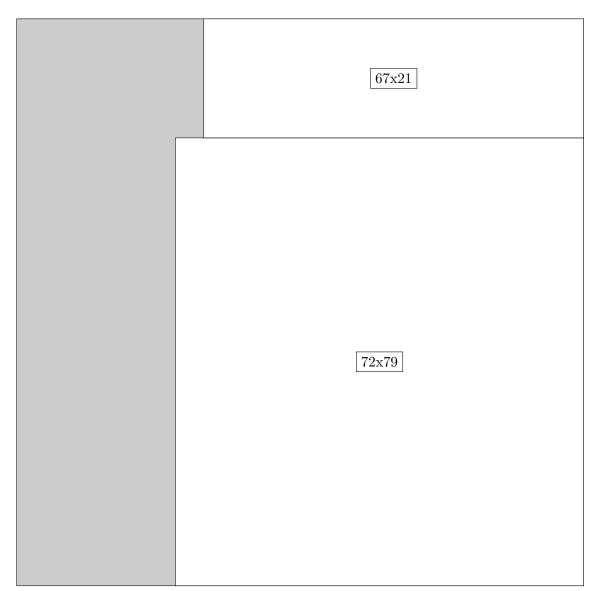
 $\le =75$, h =94 , x =25 , y =0 , v =7050



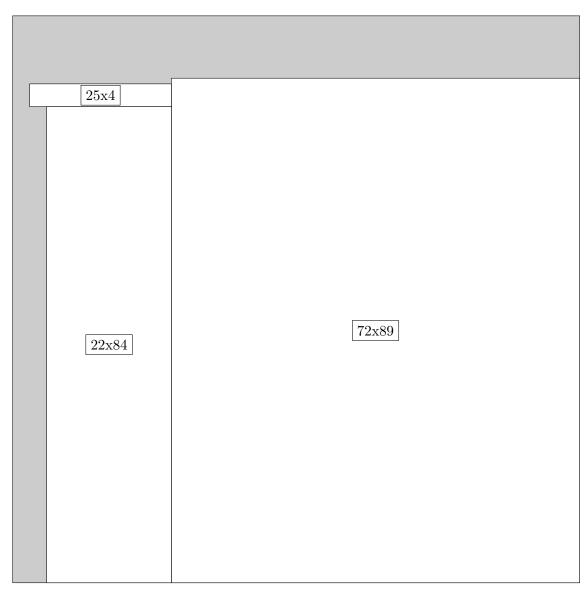
$$\begin{array}{l} w = \! 40 \ , \ h = \! 92 \ , \ x = \! 60 \ , \ y = \! 0 \ , \ v = \! 3680 \\ w = \! 60 \ , \ h = \! 70 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 4200 \end{array}$$



$$\begin{array}{l} w = \! 86 \ , \, h = \! 26 \ , \, x = \! 14 \ , \, y = \! 0 \ , \, v = \! 2236 \\ w = \! 79 \ , \, h = \! 74 \ , \, x = \! 21 \ , \, y = \! 26 \ , \, v = \! 5846 \end{array}$$



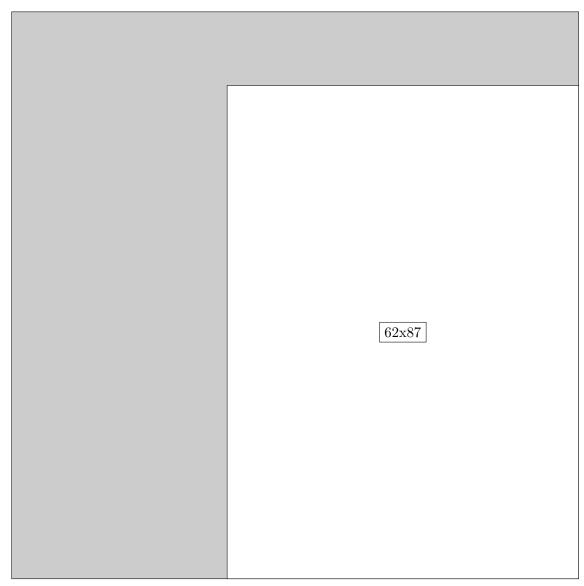
$$\begin{array}{l} w = \!\!\! 72 \ , \ h = \!\!\! 79 \ , \ x = \!\!\! 28 \ , \ y = \!\!\! 0 \ , \ v = \!\!\! 5688 \\ w = \!\!\! 67 \ , \ h = \!\!\! 21 \ , \ x = \!\!\! 33 \ , \ y = \!\!\! 79 \ , \ v = \!\!\! 1407 \end{array}$$



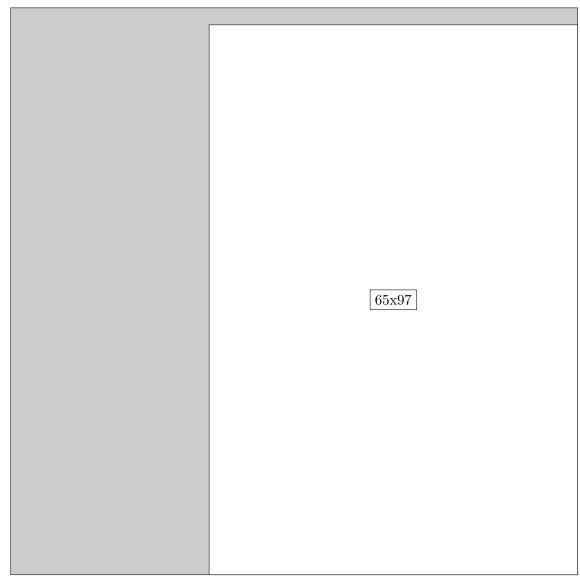
$$w = 72$$
, $h = 89$, $x = 28$, $y = 0$, $v = 6408$

$$\le =22$$
 , h =84 , x =6 , y =0 , v =1848

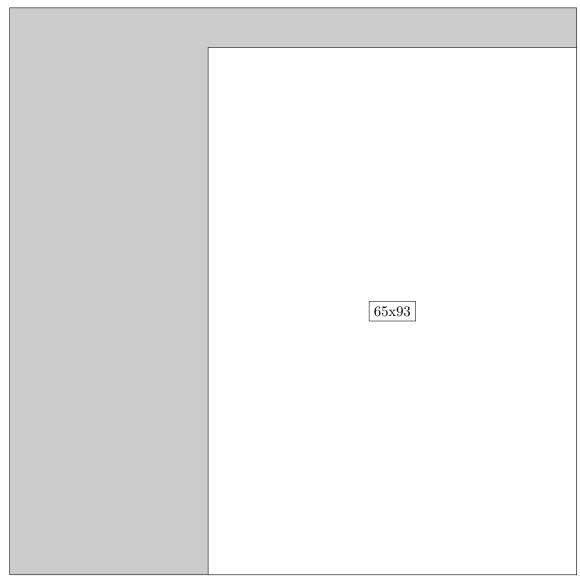
$$\le =25$$
 , h =4 , x =3 , y =84 , v =100



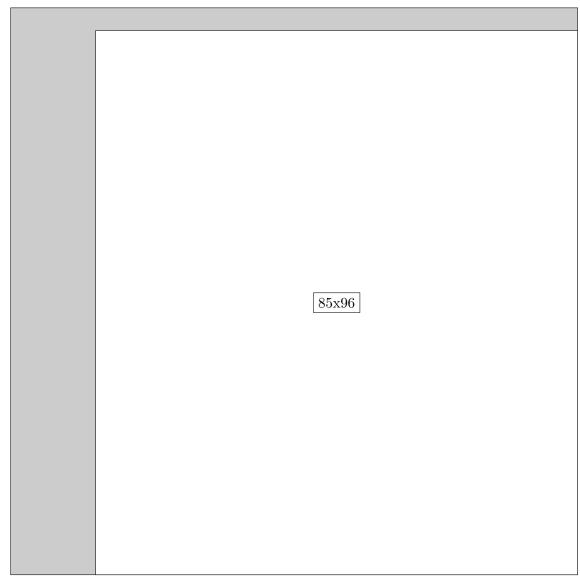
 $\le =62$, h =87 , x =38 , y =0 , v =5394



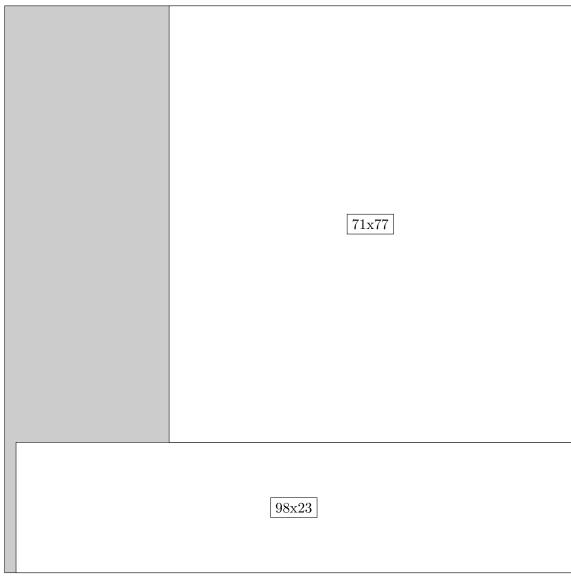
 $\le =65$, h=97 , x=35 , y=0 , v=6305



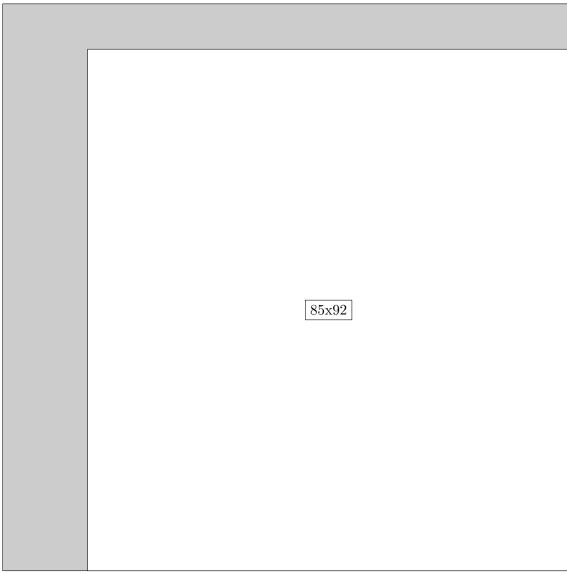
 $\le =65$, h =93 , x =35 , y =0 , v =6045



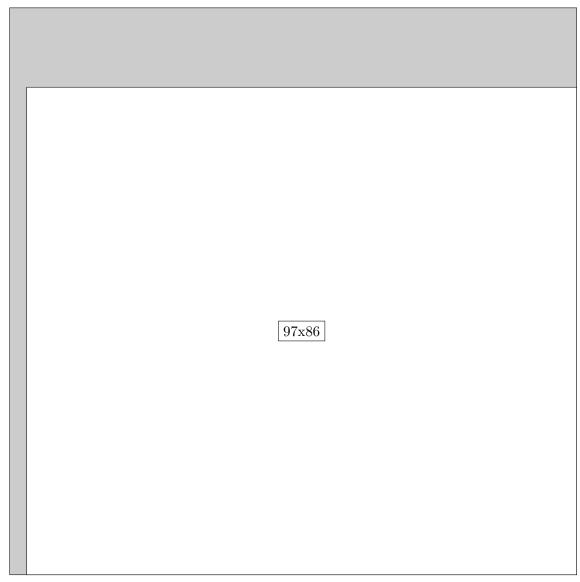
 $\le =85$, h =96 , x =15 , y =0 , v = 8160



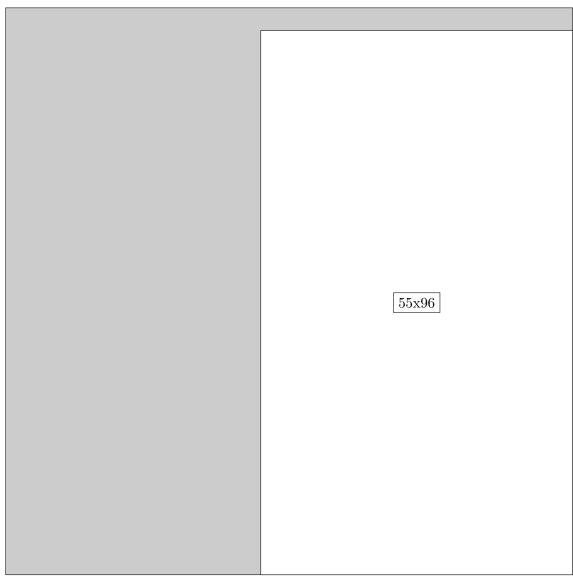
$$\begin{array}{l} w = 98 \; , \; h = 23 \; , \; x = 2 \; , \; y = 0 \; , \; v = 2254 \\ w = 71 \; , \; h = 77 \; , \; x = 29 \; , \; y = 23 \; , \; v = 5467 \end{array}$$



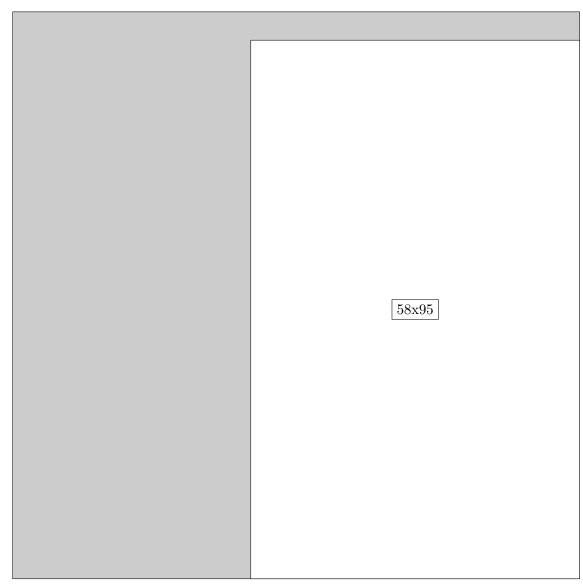
 $\le =85$, h =92 , x =15 , y =0 , v =7820



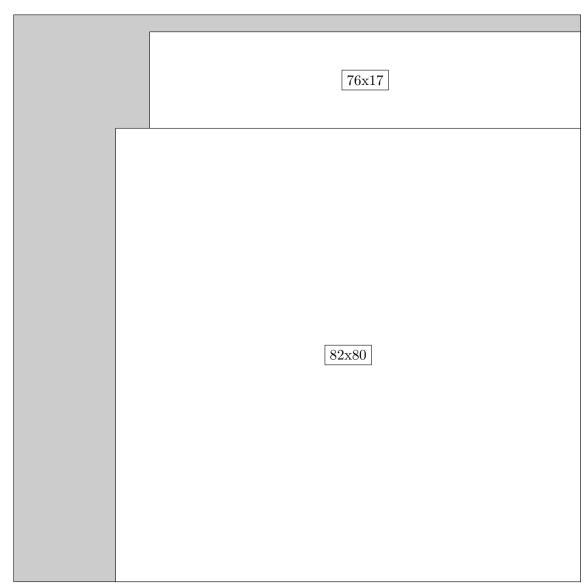
 $\le =97$, h =86 , x =3 , y =0 , v =8342



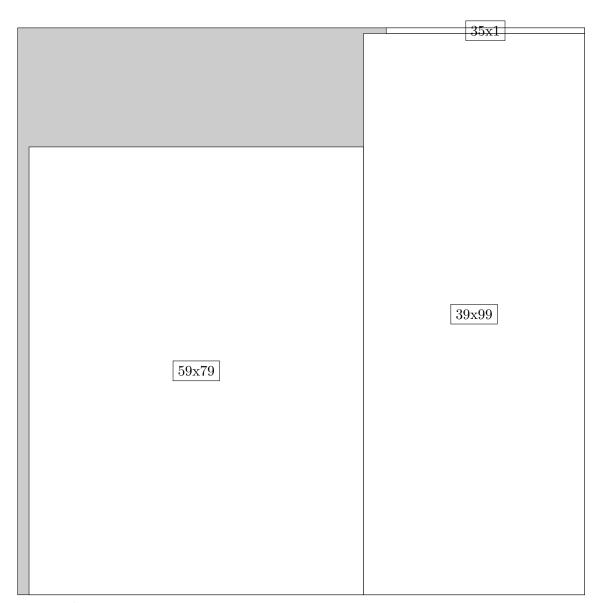
 ≤ -55 , h = 96 , x = 45 , y = 0 , v = 5280



 $\le =58$, h =95 , x =42 , y =0 , v =5510

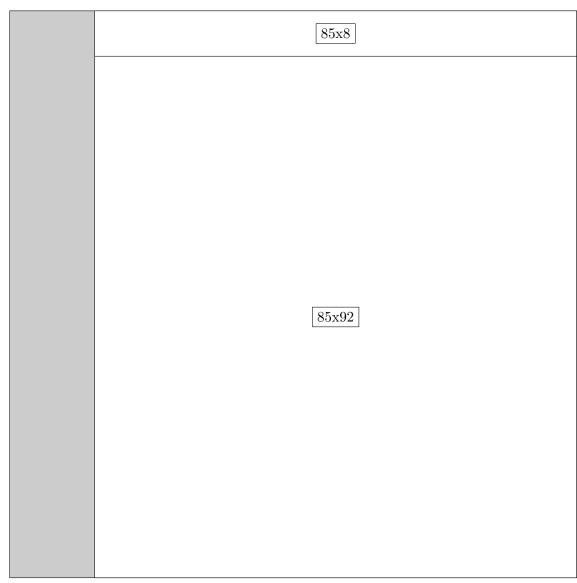


$$\begin{array}{l} w = \! 82 \ , \, h = \! 80 \ , \, x = \! 18 \ , \, y = \! 0 \ , \, v = \! 6560 \\ w = \! 76 \ , \, h = \! 17 \ , \, x = \! 24 \ , \, y = \! 80 \ , \, v = \! 1292 \end{array}$$

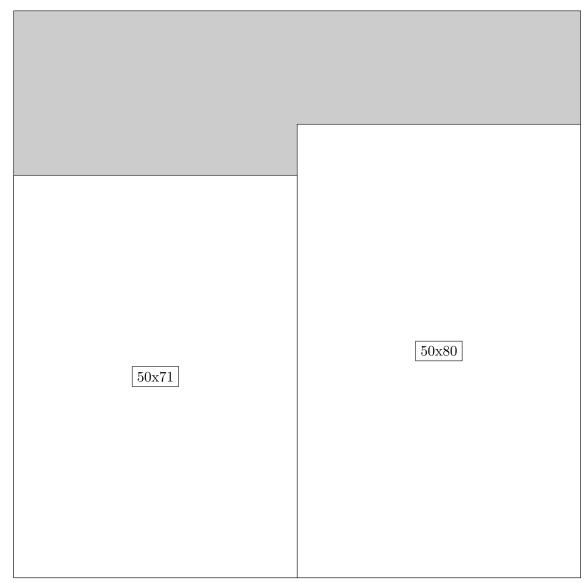


 $\begin{array}{l} w = & 39 \ , \ h = & 99 \ , \ x = & 61 \ , \ y = & 0 \ , \ v = & 3861 \\ w = & 35 \ , \ h = & 1 \ , \ x = & 65 \ , \ y = & 99 \ , \ v = & 35 \end{array}$

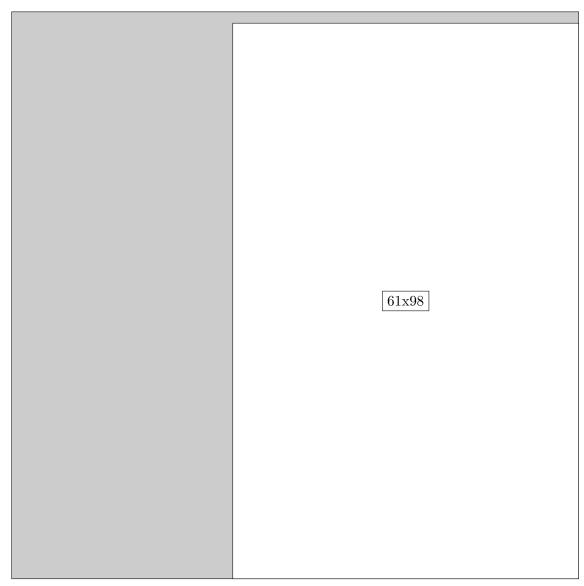
 $\le =59$, h =79 , x =2 , y =0 , v =4661



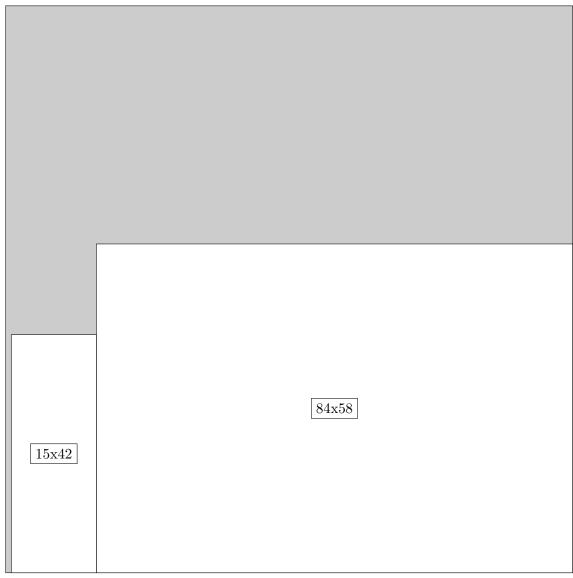
$$\begin{array}{l} w = \! 85 \ , \ h = \! 92 \ , \ x = \! 15 \ , \ y = \! 0 \ , \ v = \! 7820 \\ w = \! 85 \ , \ h = \! 8 \ , \ x = \! 15 \ , \ y = \! 92 \ , \ v = \! 680 \end{array}$$



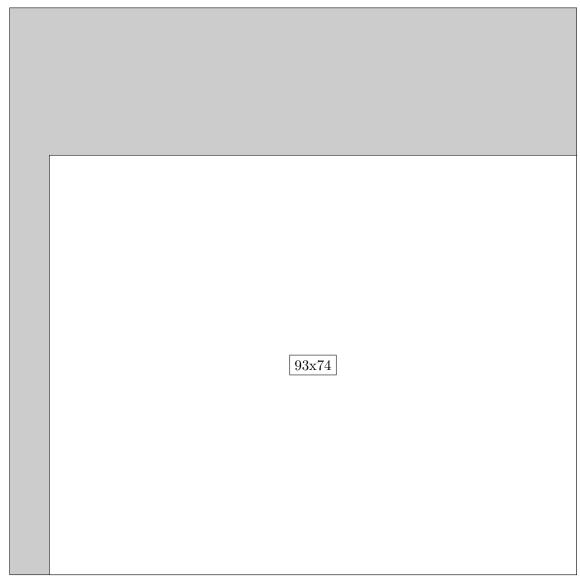
$$\begin{array}{l} w = \! 50 \ , \ h = \! 80 \ , \ x = \! 50 \ , \ y = \! 0 \ , \ v = \! 4000 \\ w = \! 50 \ , \ h = \! 71 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 3550 \end{array}$$



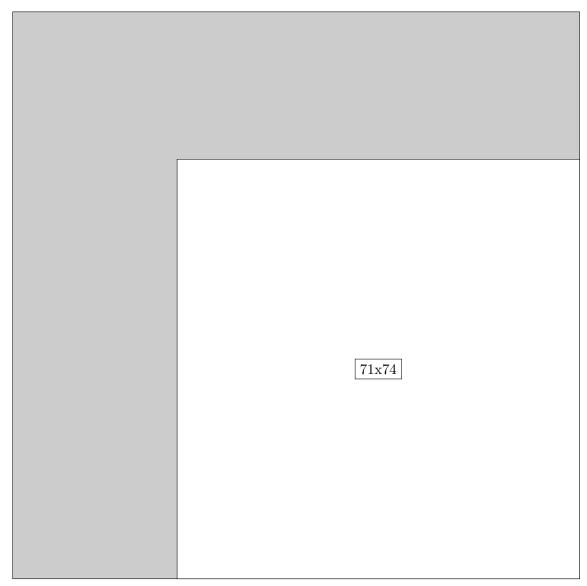
 $\le =61$, h =98 , x =39 , y =0 , v =5978



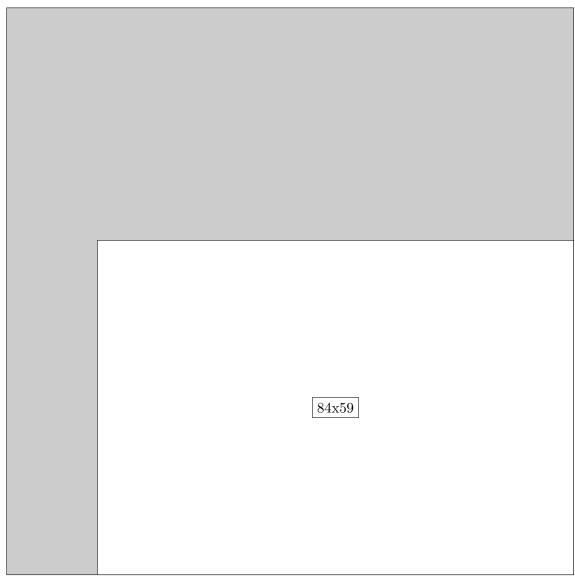
$$\begin{array}{l} w = \! 84 \ , \ h = \! 58 \ , \ x = \! 16 \ , \ y = \! 0 \ , \ v = \! 4872 \\ w = \! 15 \ , \ h = \! 42 \ , \ x = \! 1 \ , \ y = \! 0 \ , \ v = \! 630 \end{array}$$



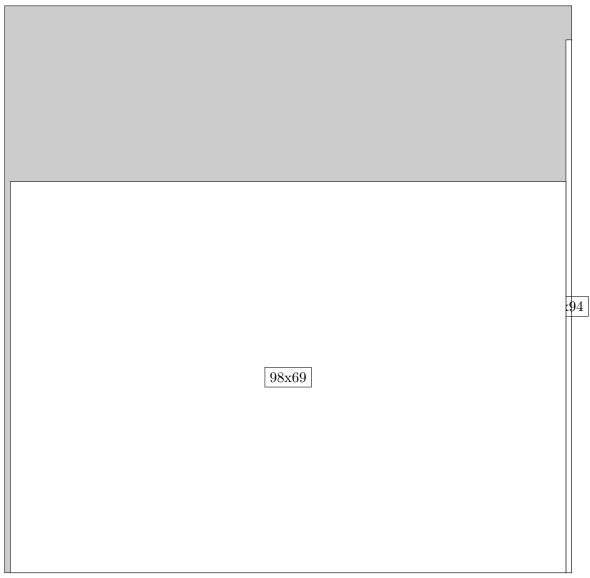
 $\le =93$, h =74 , x =7 , y =0 , v =6882



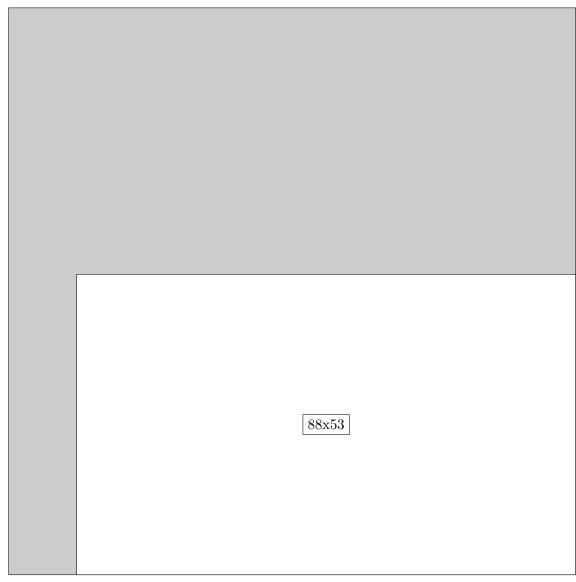
 $\le =71$, h =74 , x =29 , y =0 , v =5254



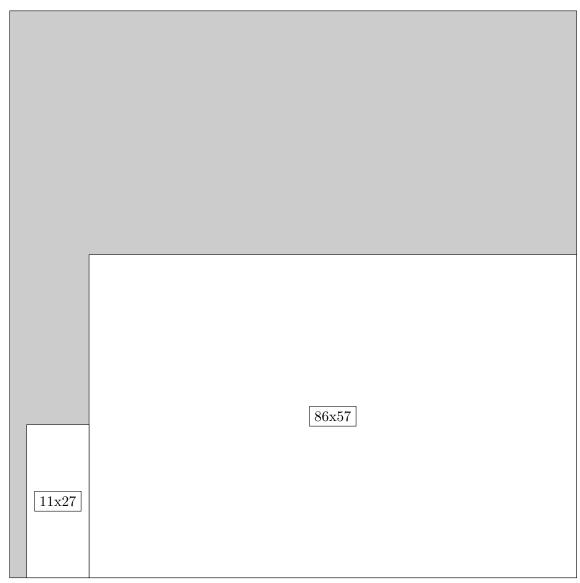
 $\le =84$, h =59 , x =16 , y =0 , v =4956



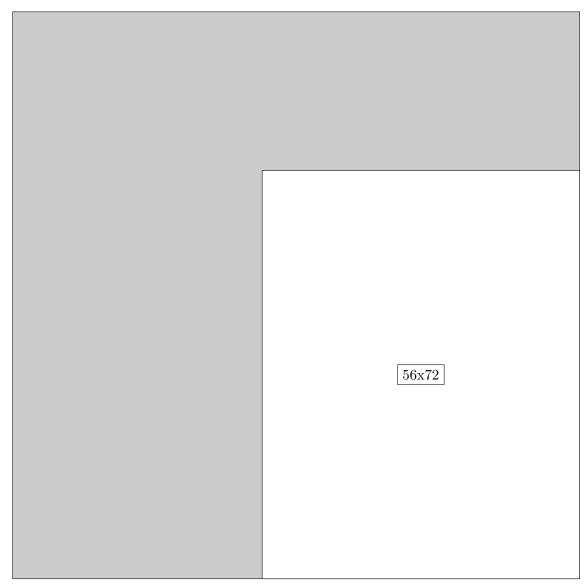
$$\begin{array}{l} w = 1 \ , \ h = \! 94 \ , \ x = \! 99 \ , \ y = \! 0 \ , \ v = \! 94 \\ w = \! 98 \ , \ h = \! 69 \ , \ x = \! 1 \ , \ y = \! 0 \ , \ v = \! 6762 \end{array}$$



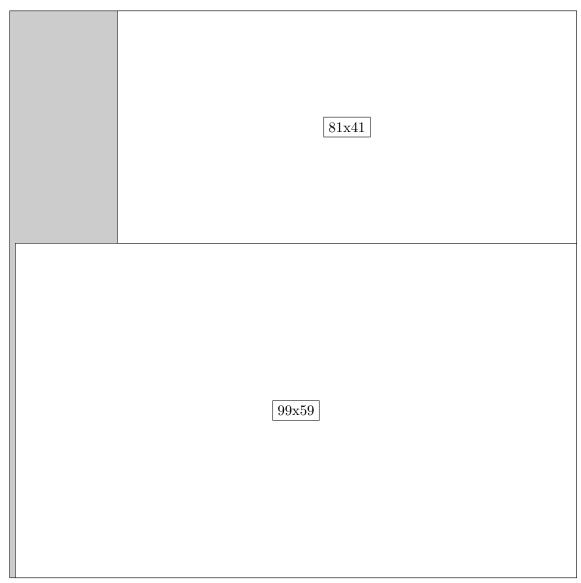
 $\le =88$, h =53 , x =12 , y =0 , v =4664



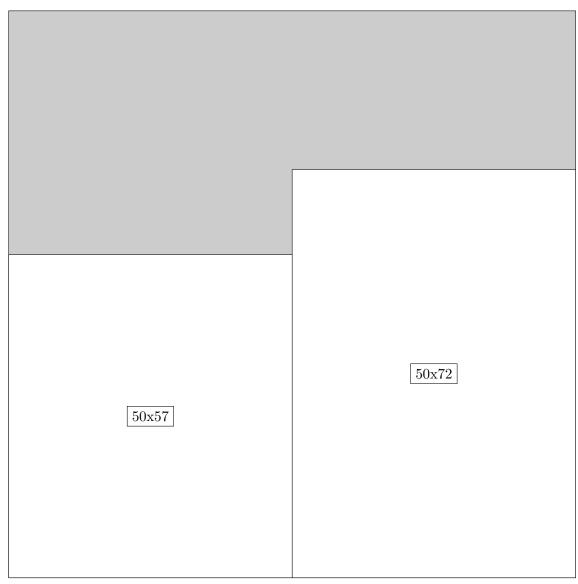
$$\begin{array}{l} w = \! 86 \ , \ h = \! 57 \ , \ x = \! 14 \ , \ y = \! 0 \ , \ v = \! 4902 \\ w = \! 11 \ , \ h = \! 27 \ , \ x = \! 3 \ , \ y = \! 0 \ , \ v = \! 297 \end{array}$$



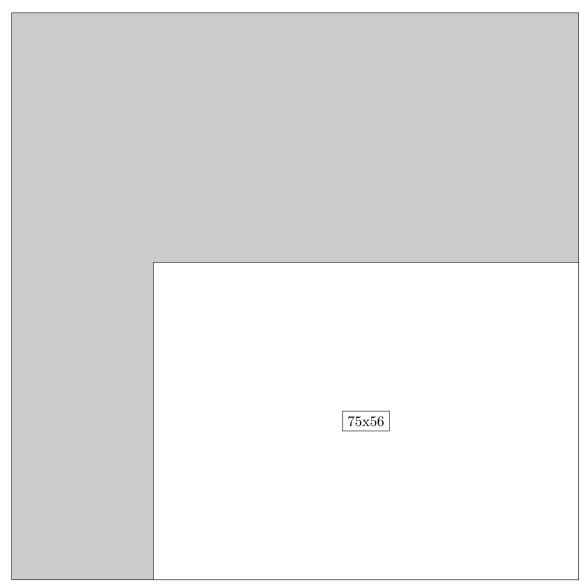
 $\le =56$, h =72 , x =44 , y =0 , v =4032



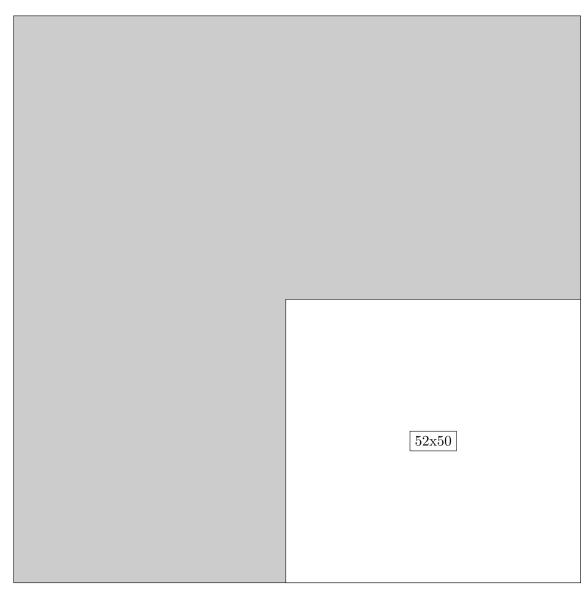
$$\begin{array}{l} w = 99 \; , \; h = 59 \; , \; x = 1 \; , \; y = 0 \; , \; v = 5841 \\ w = 81 \; , \; h = 41 \; , \; x = 19 \; , \; y = 59 \; , \; v = 3321 \end{array}$$



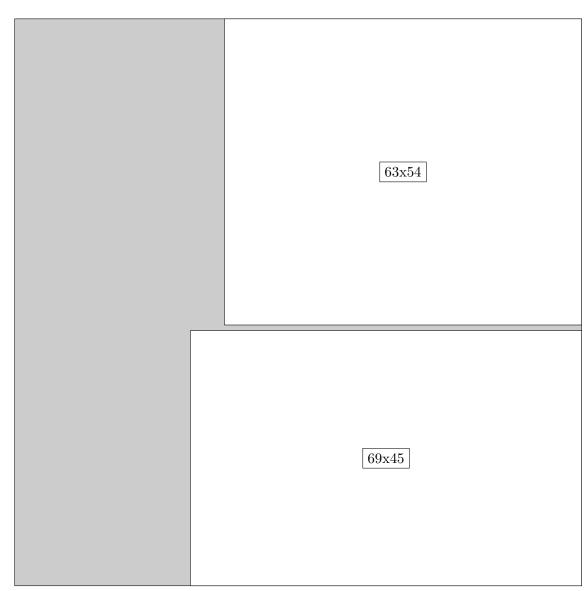
$$\begin{array}{l} w = \! 50 \ , \ h = \! 72 \ , \ x = \! 50 \ , \ y = \! 0 \ , \ v = \! 3600 \\ w = \! 50 \ , \ h = \! 57 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 2850 \end{array}$$



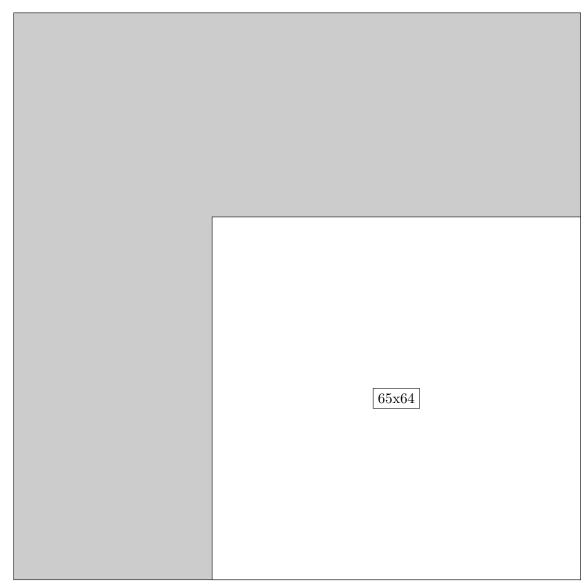
 $\le =75$, h = 56 , x = 25 , y = 0 , v = 4200



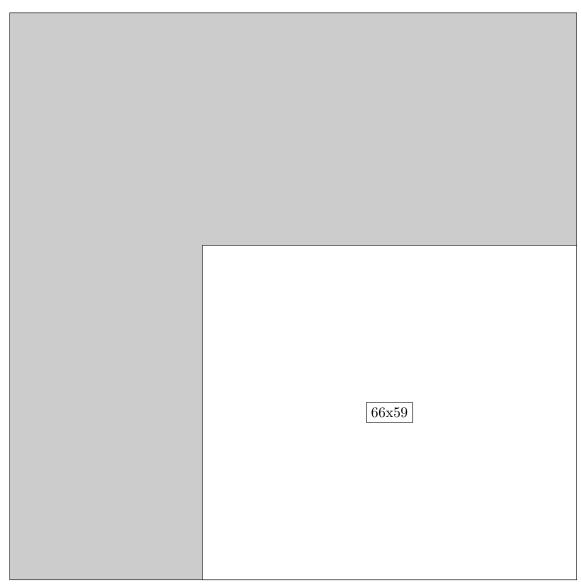
 $\le =52$, h =50 , x =48 , y =0 , v =2600



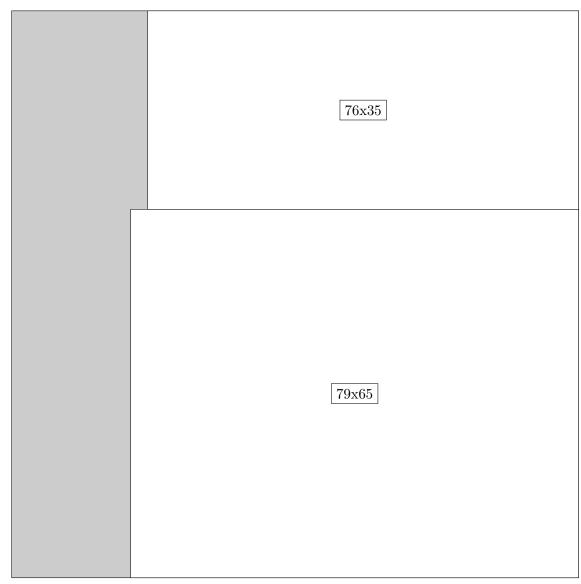
$$\begin{array}{l} w = \!69 \ , \, h = \!45 \ , \, x = \!31 \ , \, y = \!0 \ , \, v = \!3105 \\ w = \!63 \ , \, h = \!54 \ , \, x = \!37 \ , \, y = \!46 \ , \, v = \!3402 \end{array}$$



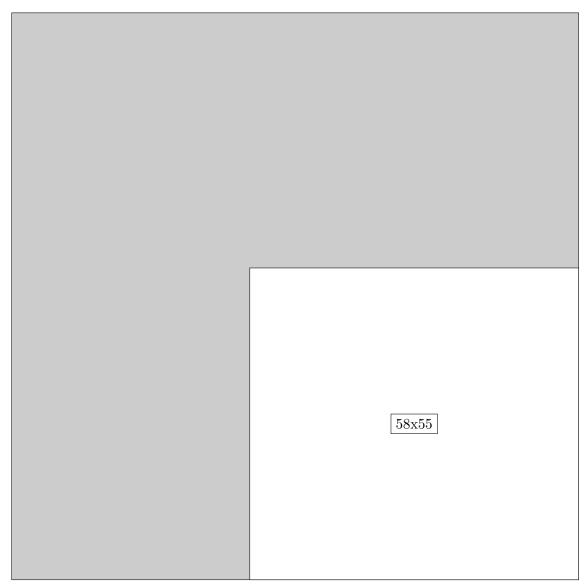
 $\le =65$, h=64 , x=35 , y=0 , v=4160



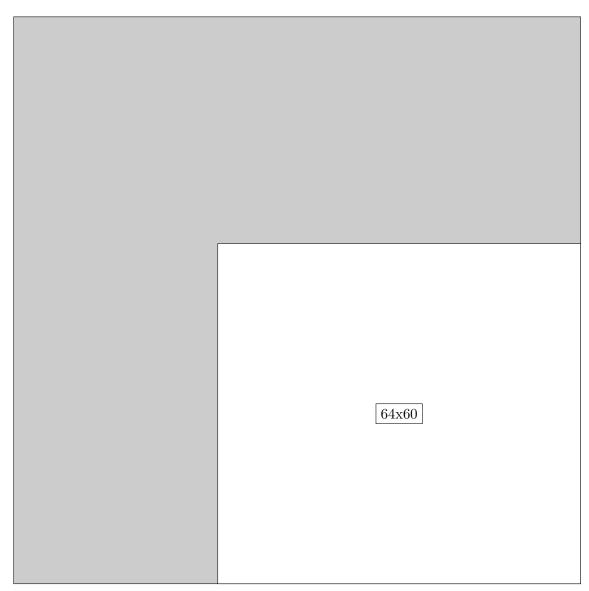
 $\le =66$, h =59 , x =34 , y =0 , v =3894



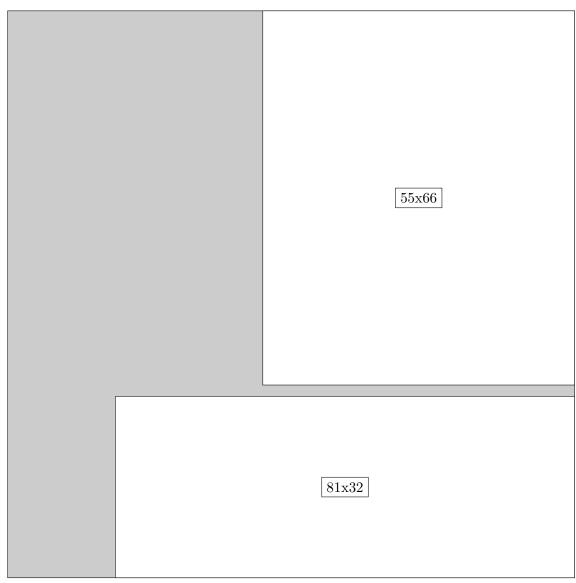
$$\begin{array}{l} w = 79 \ , \ h = \!\! 65 \ , \ x = \!\! 21 \ , \ y = \!\! 0 \ , \ v = \!\! 5135 \\ w = \!\! 76 \ , \ h = \!\! 35 \ , \ x = \!\! 24 \ , \ y = \!\! 65 \ , \ v = \!\! 2660 \end{array}$$



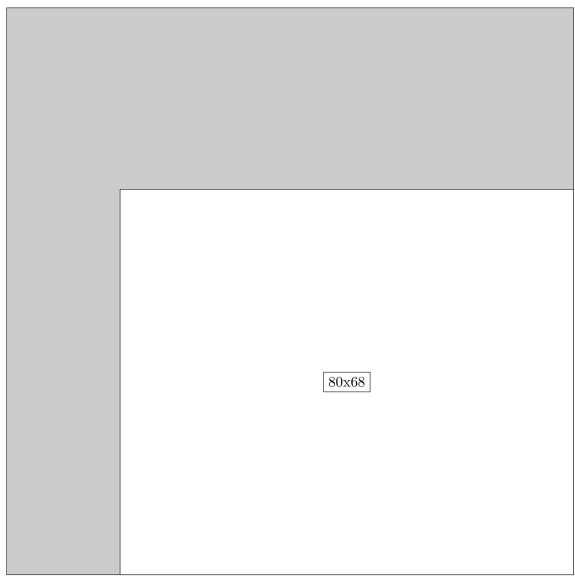
 $\le =58$, h = 55 , x = 42 , y = 0 , v = 3190



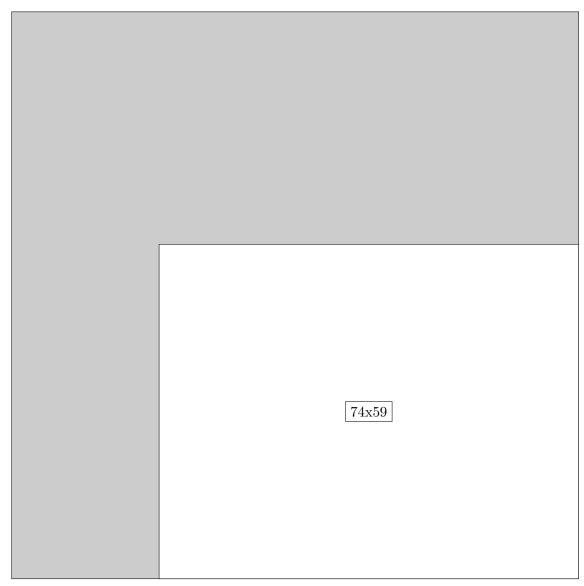
 $\le =64$, h=60 , x=36 , y=0 , v=3840



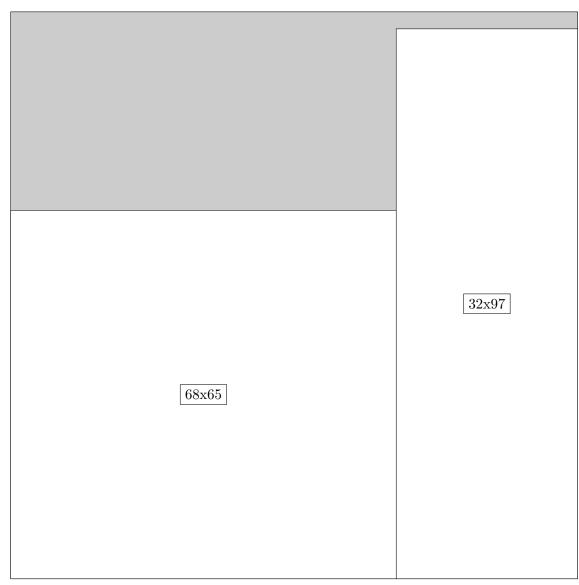
$$\begin{array}{l} w = \! 81 \ , \, h = \! 32 \ , \, x = \! 19 \ , \, y = \! 0 \ , \, v = \! 2592 \\ w = \! 55 \ , \, h = \! 66 \ , \, x = \! 45 \ , \, y = \! 34 \ , \, v = \! 3630 \end{array}$$



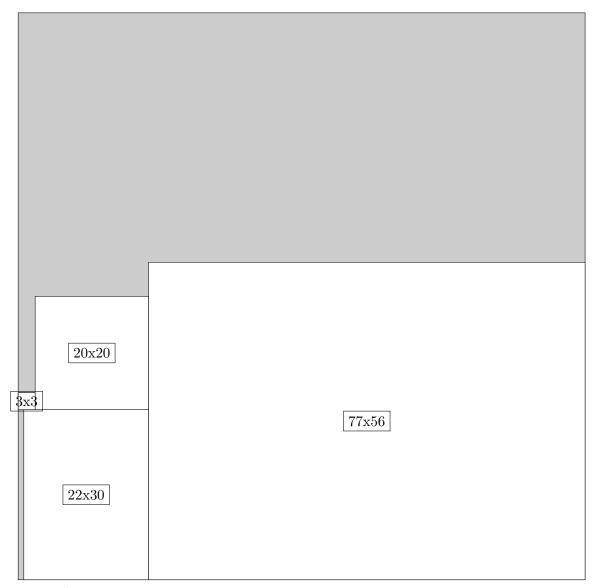
 $\le =80$, h=68 , x=20 , y=0 , v=5440



 $\le =74$, h =59 , x =26 , y =0 , v =4366

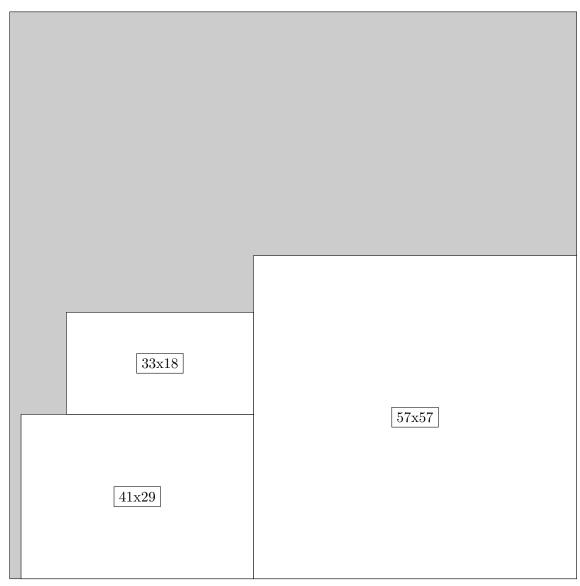


$$\begin{array}{l} w = & 32 \ , \ h = & 97 \ , \ x = & 68 \ , \ y = & 0 \ , \ v = & 3104 \\ w = & 68 \ , \ h = & 65 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 4420 \end{array}$$



$$\le =20$$
 , h =20 , x =3 , y =30 , v =400

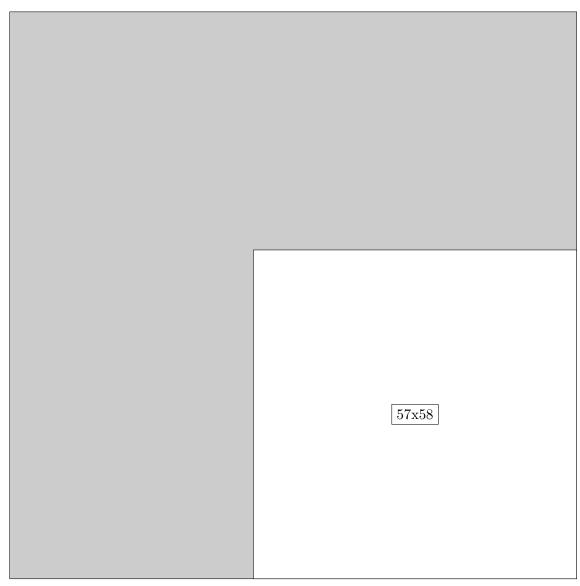
$$\mathbf{w}$$
 =3 , h =3 , x =0 , y =30 , v =9



$$w$$
 =57 , h =57 , x =43 , y =0 , v =3249

$$\mathbf{w}$$
 =41 , h =29 , x =2 , y =0 , v =1189

$$\le =33$$
 , h =18 , x =10 , y =29 , v =594



 $\le =57$, h =58 , x =43 , y =0 , v =3306