$ClassName: \ Class_09.2bp-45$

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

TypeNum: <u>100</u> Num: <u>100</u> OutS: <u>710000</u> InS: <u>459457</u> Rate: <u>0.647</u> UB: <u>71</u> LB0: <u>71</u>

LB: 71LBWithCut: 71NodeCut: 0

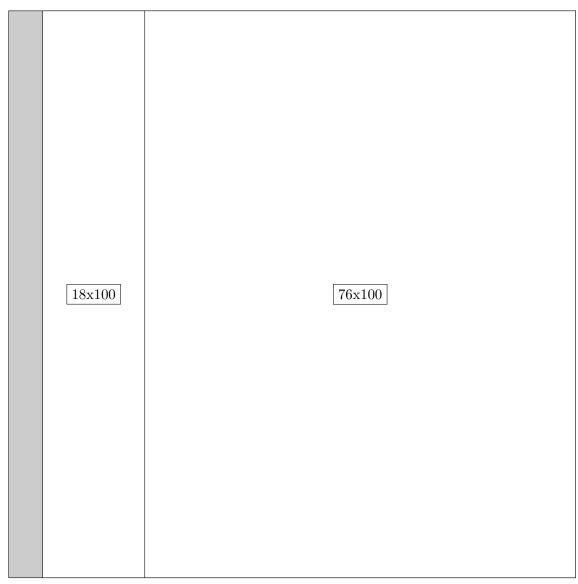
 $\operatorname{ExtendedNodeCnt}$: $\underline{\mathbf{1}}$

GenNodeCnt: $\underline{\mathbf{1}}$ PrimalNode: $\underline{\mathbf{0}}$ ColumnCount: $\underline{\mathbf{71}}$ TotalCutCount: $\underline{\mathbf{0}}$ RootCutCount: $\underline{\mathbf{0}}$ LPSolverCnt: $\underline{\mathbf{1}}$ PricingSolverCnt: $\underline{\mathbf{0}}$ BranchAndBoundNum: $\underline{\mathbf{1}}$

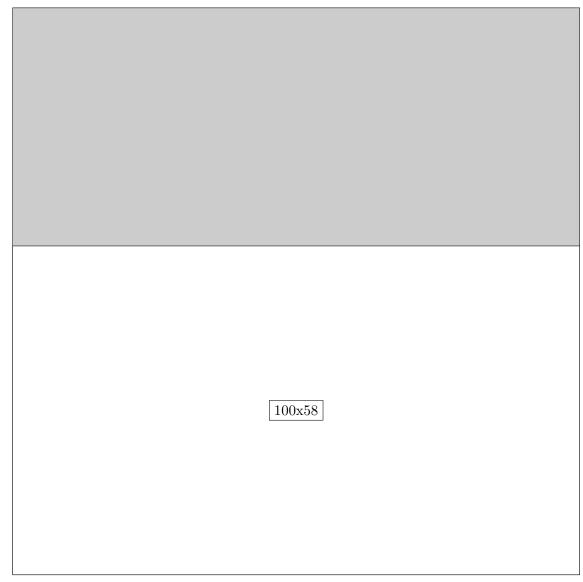
isOpt: $\underline{\mathbf{true}}$

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

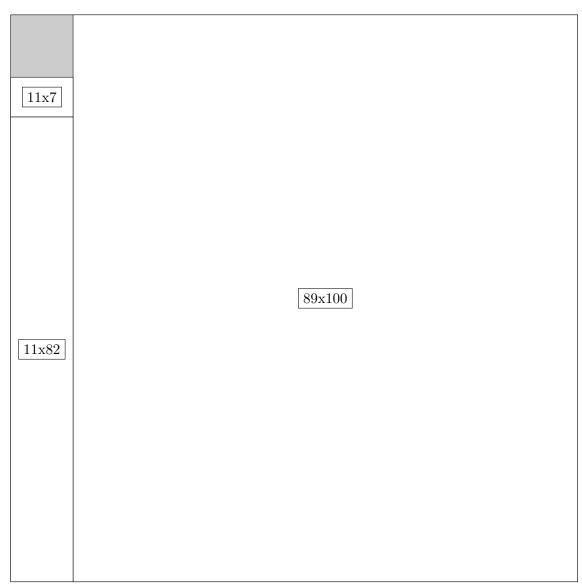
TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.078 sTotalTime: 600.343 s



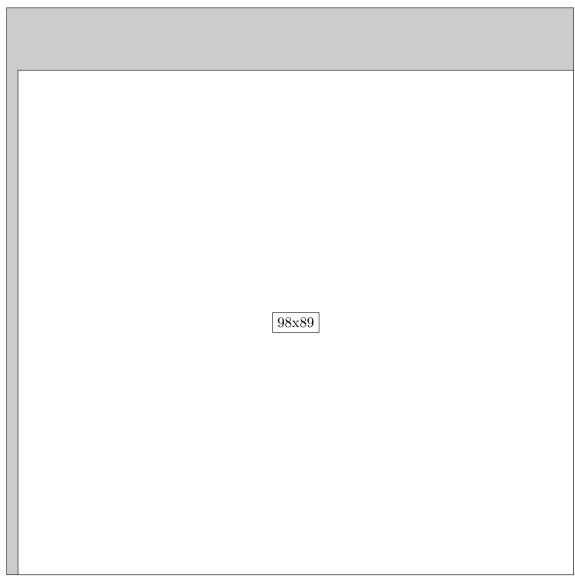
 $\begin{array}{l} w = \! 76 \ , \, h = \! 100 \ , \, x = \! 24 \ , \, y = \! 0 \ , \, v = \! 7600 \\ w = \! 18 \ , \, h = \! 100 \ , \, x = \! 6 \ , \, y = \! 0 \ , \, v = \! 1800 \end{array}$



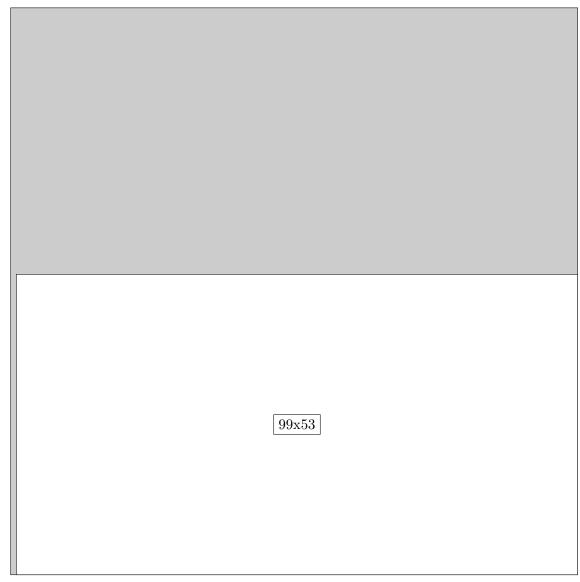
 $\le =100$, h =58 , x =0 , y =0 , v =5800



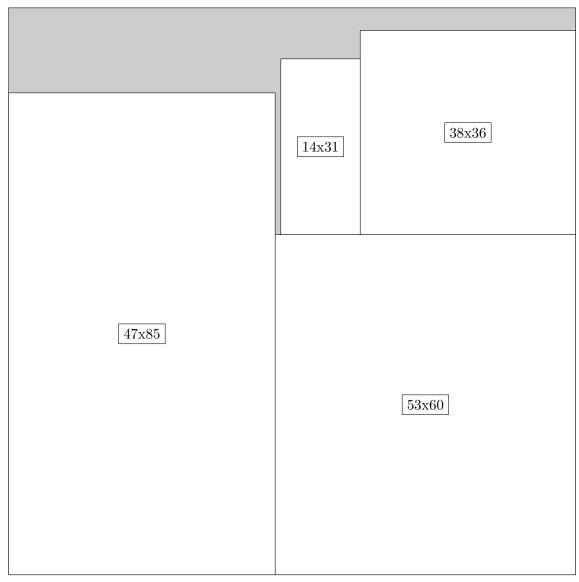
$$\begin{array}{l} w = \! 89 \; , \; h = \! 100 \; , \; x = \! 11 \; , \; y = \! 0 \; , \; v = \! 8900 \\ w = \! 11 \; , \; h = \! 82 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 902 \\ w = \! 11 \; , \; h = \! 7 \; , \; x = \! 0 \; , \; y = \! 82 \; , \; v = \! 77 \end{array}$$



 $\le =98$, h =89 , x =2 , y =0 , v =8722



 $\le =99$, h =53 , x =1 , y =0 , v =5247

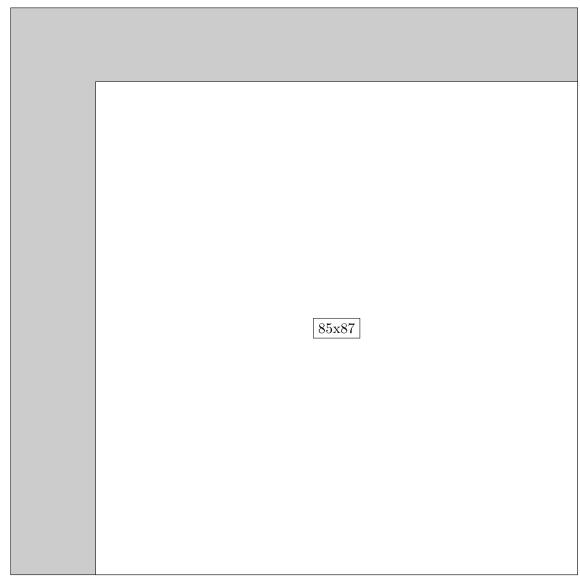


$$\le =53$$
 , h =60 , x =47 , y =0 , v =3180

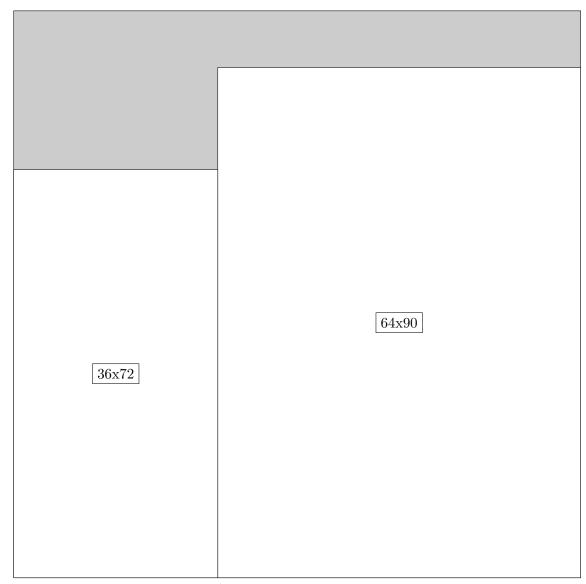
$$\le =38$$
 , h =36 , x =62 , y =60 , v =1368

$$\le =14$$
 , $h=31$, $x=48$, $y=60$, $v=434$

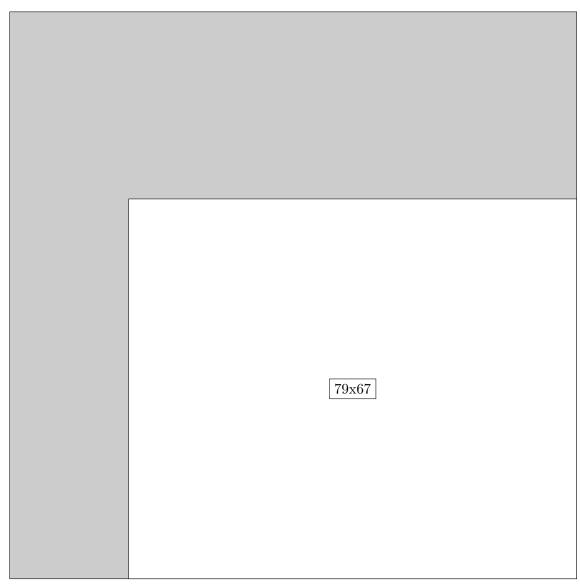
$$\le =47$$
 , h =85 , x =0 , y =0 , v =3995



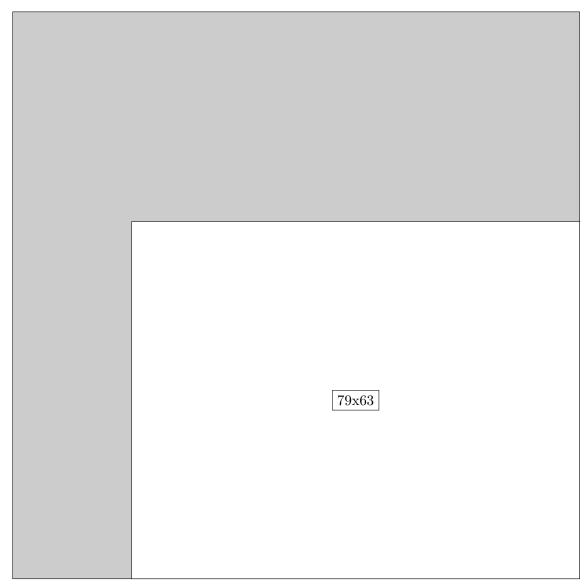
 $\le =85$, h =87 , x =15 , y =0 , v =7395



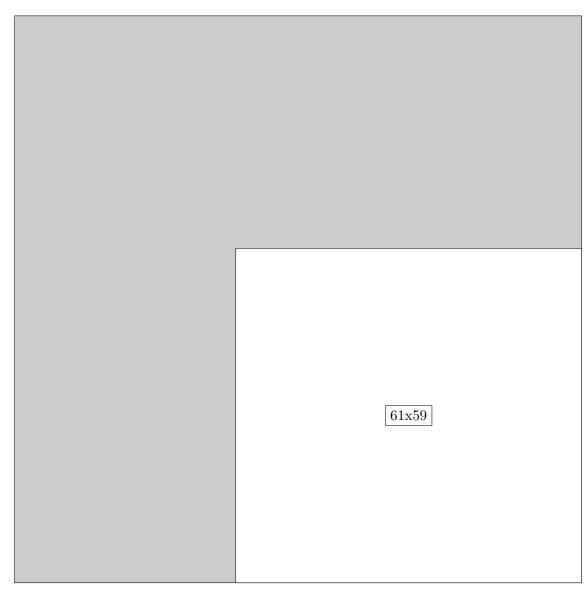
$$\begin{array}{l} w = \!64 \ , \ h = \!90 \ , \ x = \!36 \ , \ y = \!0 \ , \ v = \!5760 \\ w = \!36 \ , \ h = \!72 \ , \ x = \!0 \ , \ y = \!0 \ , \ v = \!2592 \end{array}$$



 $\le =79$, h =67 , x =21 , y =0 , v =5293

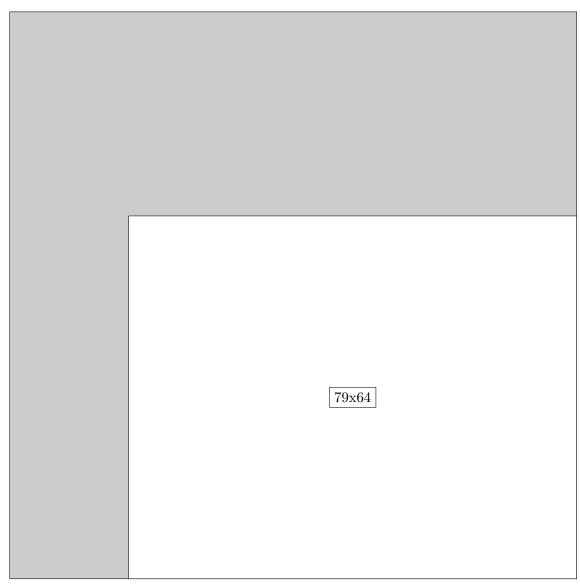


 $\le =79$, h =63 , x =21 , y =0 , v =4977

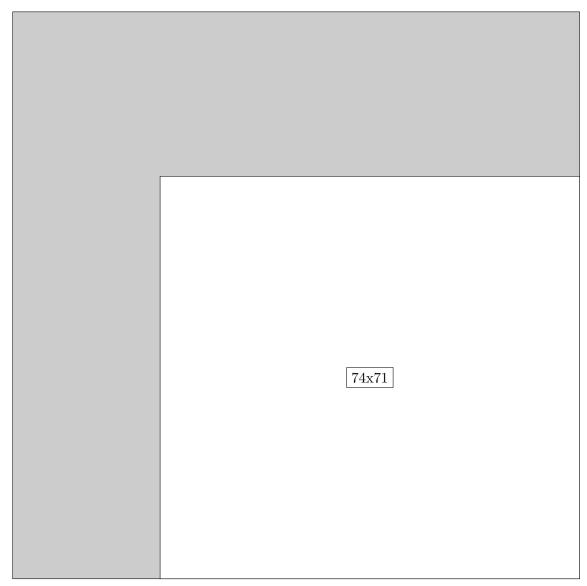


 $\le =61$, h =59 , x =39 , y =0 , v =3599

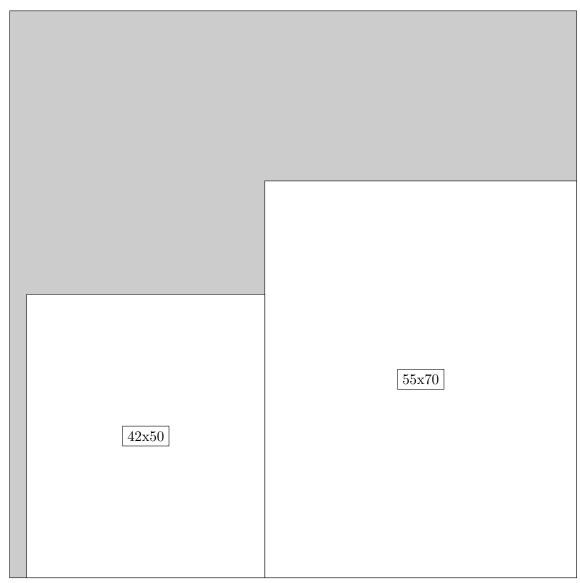




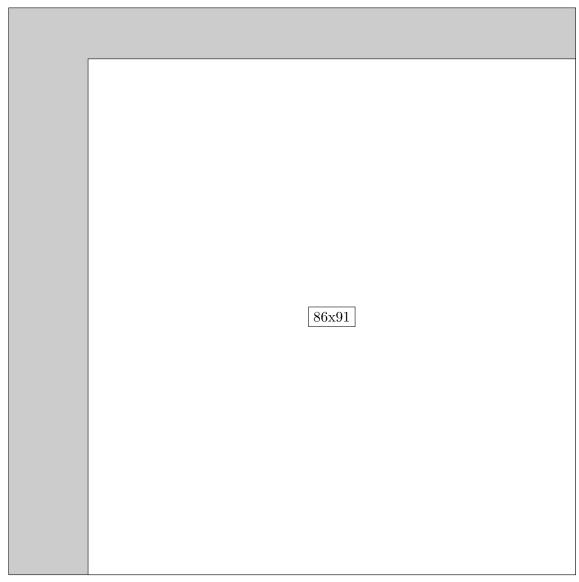
 $\le =79$, h =64 , x =21 , y =0 , v =5056



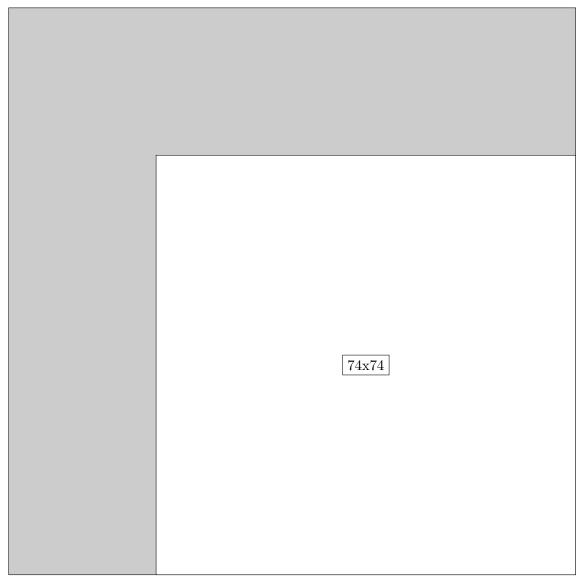
 $\le =74$, h =71 , x =26 , y =0 , v =5254



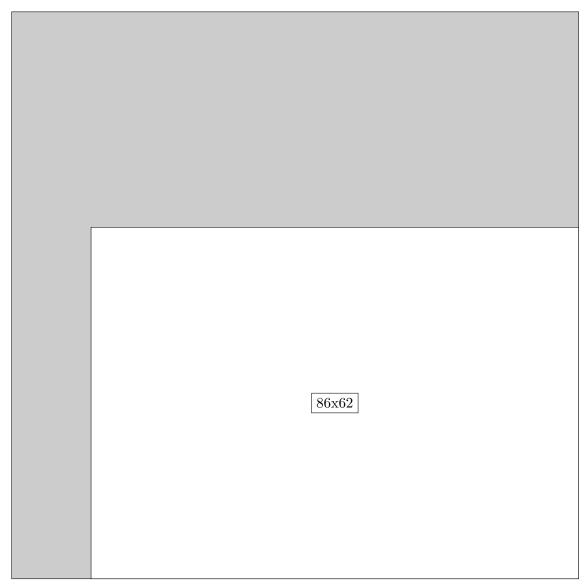
$$\begin{array}{l} w = \!\! 55 \ , \ h = \!\! 70 \ , \ x = \!\! 45 \ , \ y = \!\! 0 \ , \ v = \!\! 3850 \\ w = \!\! 42 \ , \ h = \!\! 50 \ , \ x = \!\! 3 \ , \ y = \!\! 0 \ , \ v = \!\! 2100 \end{array}$$



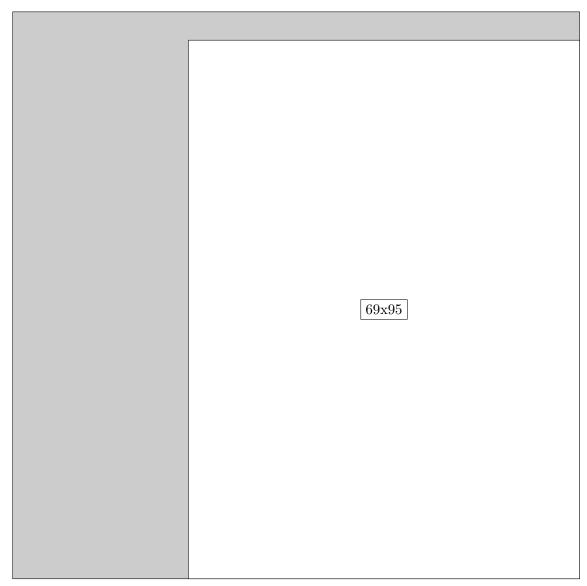
 $\le =86$, h =91 , x =14 , y =0 , v =7826



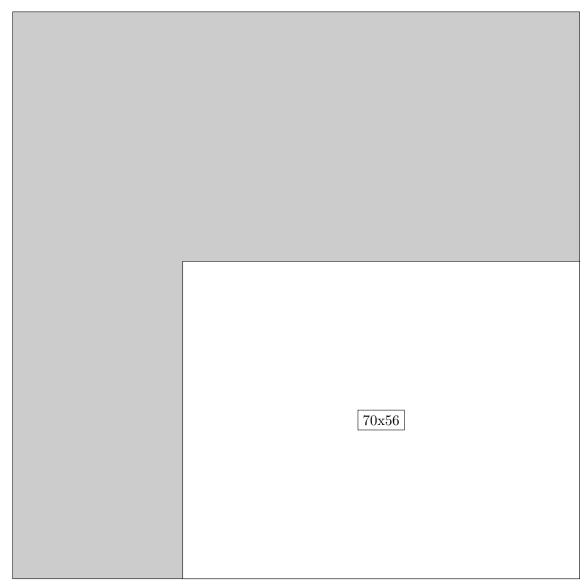
 $\le =74$, h =74 , x =26 , y =0 , v =5476



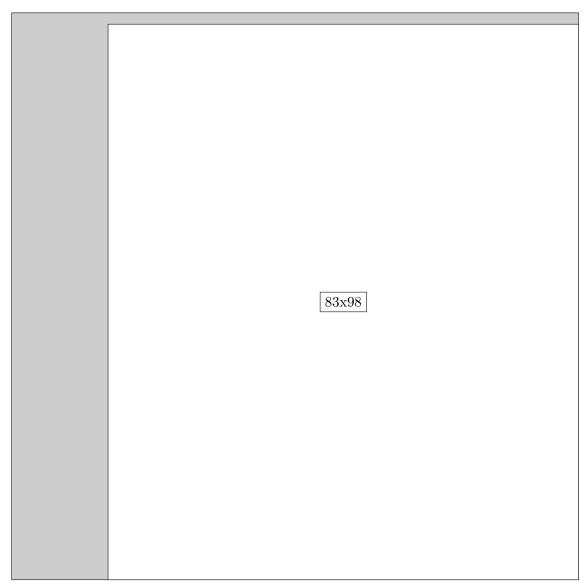
 $\le =86$, h=62 , x=14 , y=0 , v=5332



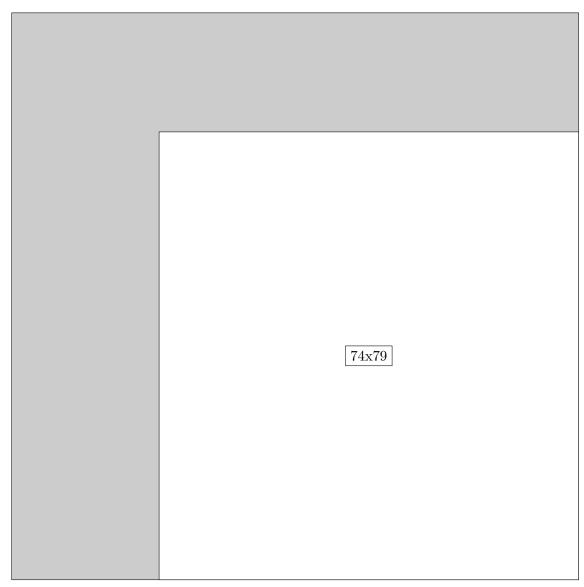
 $\le =69$, h =95 , x =31 , y =0 , v =6555



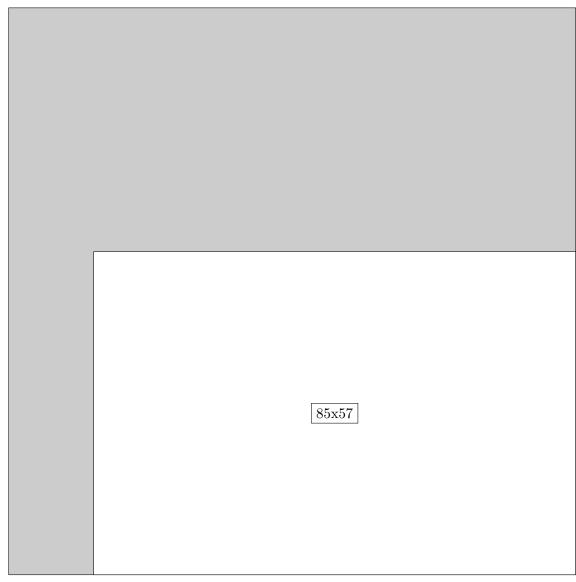
 $\le =70$, h = 56 , x = 30 , y = 0 , v = 3920



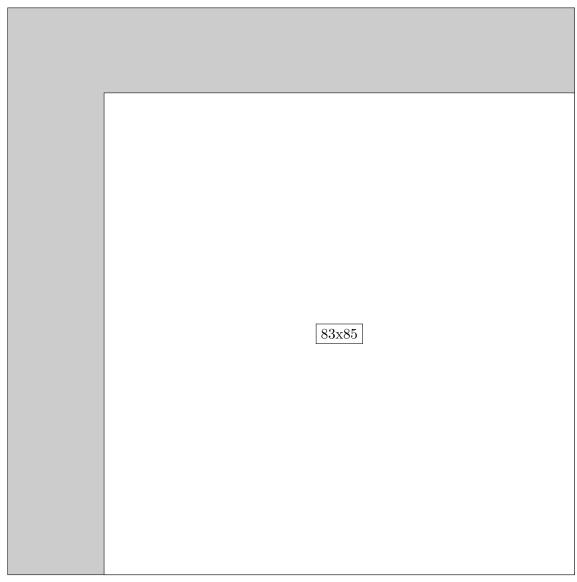
 $\le =83$, h =98 , x =17 , y =0 , v =8134



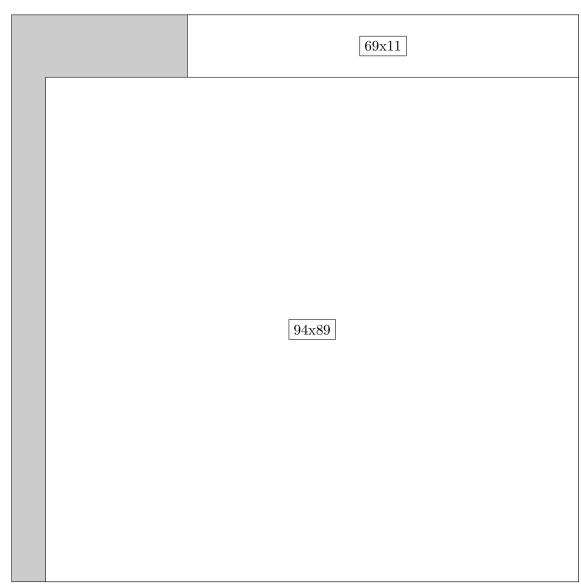
 $\le =74$, h =79 , x =26 , y =0 , v =5846

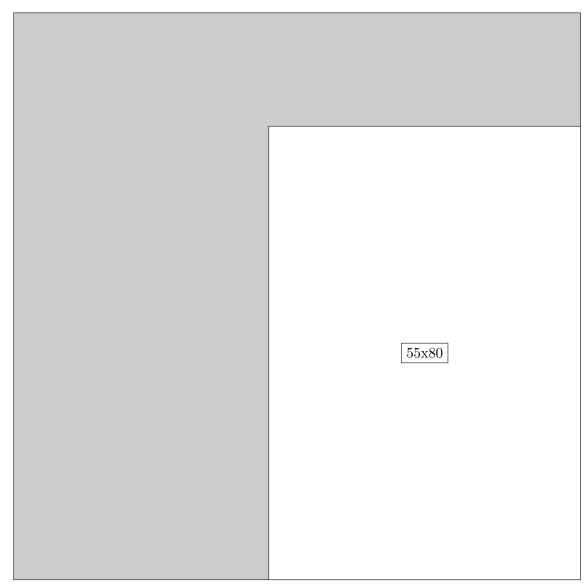


 $\le =85$, $h=\!57$, $x=\!15$, $y=\!0$, $v=\!4845$

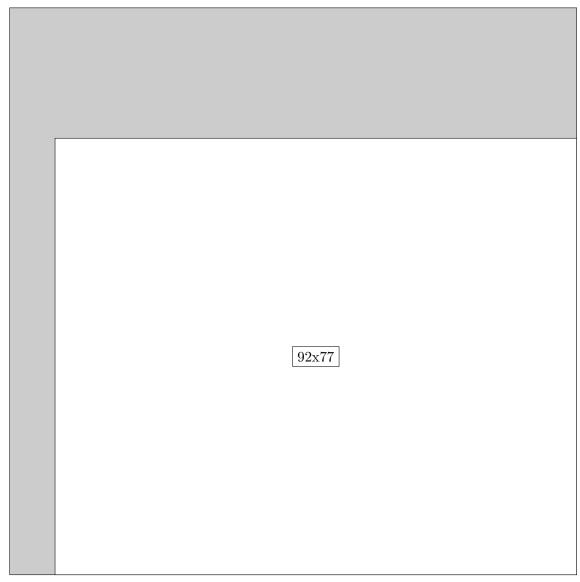


 $\le =83$, h =85 , x =17 , y =0 , v =7055

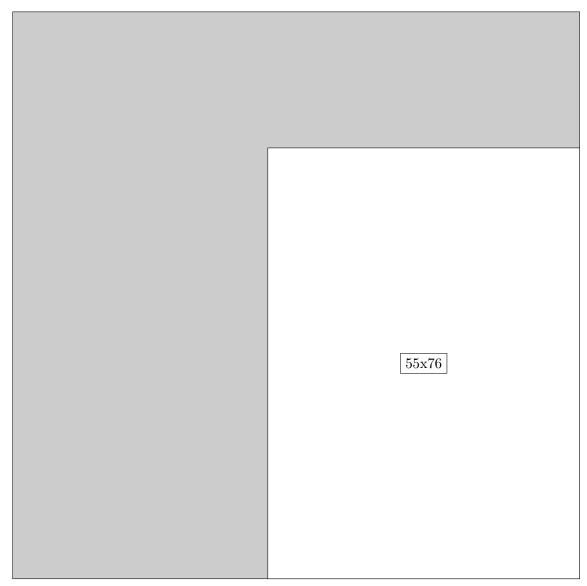




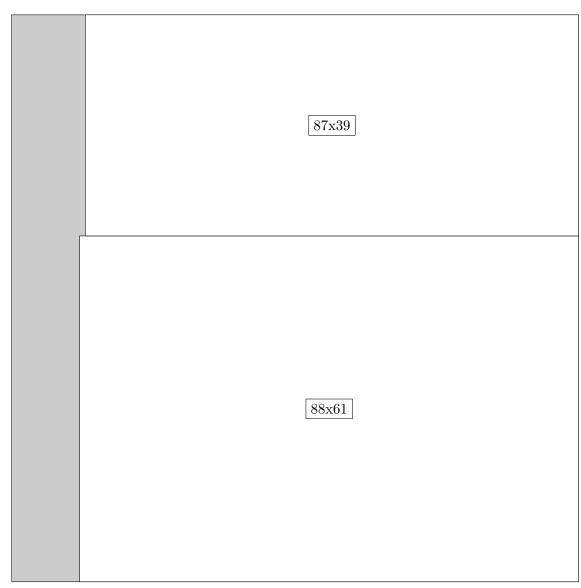
 $\le =55$, h =80 , x =45 , y =0 , v =4400



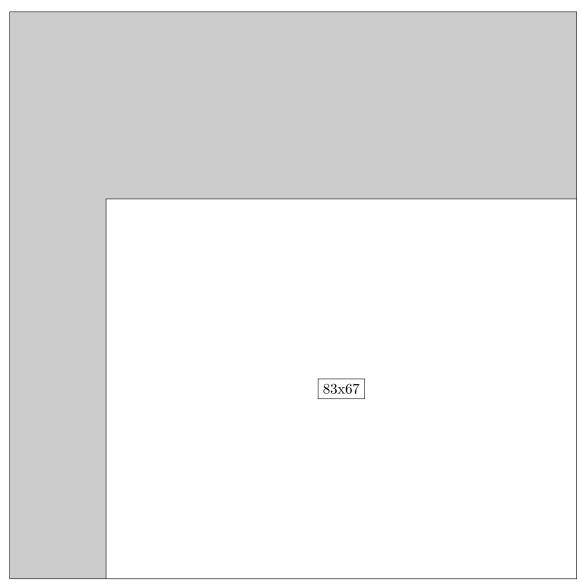
 $\le =92$, h =77 , x =8 , y =0 , v =7084



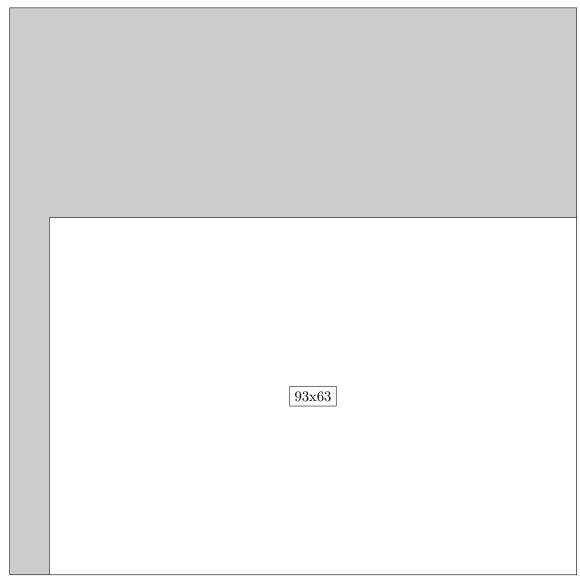
 $\le =55$, h = 76 , x = 45 , y = 0 , v = 4180



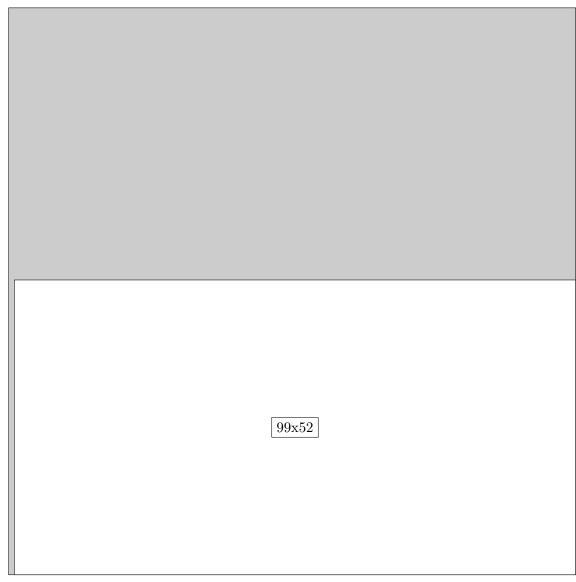
$$\begin{array}{l} w = \! 88 \; , \; h = \! 61 \; , \; x = \! 12 \; , \; y = \! 0 \; , \; v = \! 5368 \\ w = \! 87 \; , \; h = \! 39 \; , \; x = \! 13 \; , \; y = \! 61 \; , \; v = \! 3393 \end{array}$$



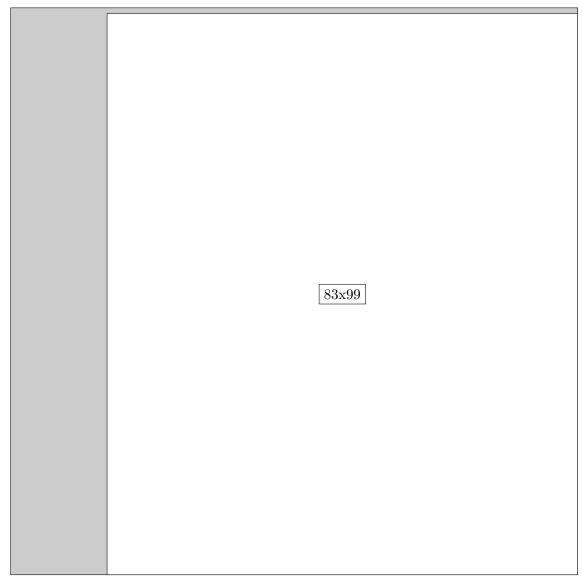
 $\le =83$, h =67 , x =17 , y =0 , v =5561



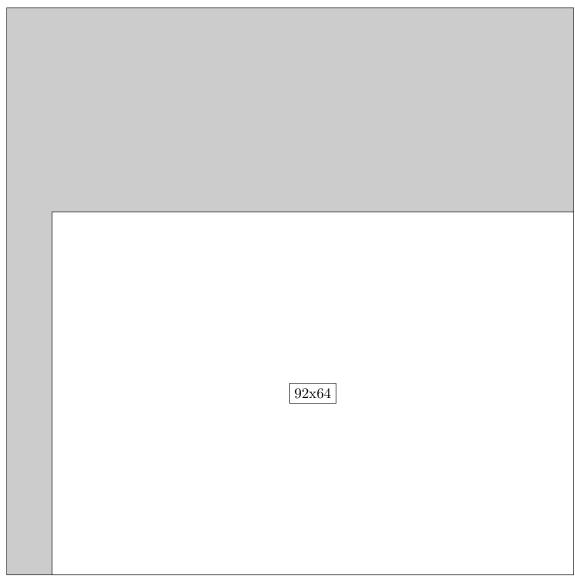
 $\le =93$, h =63 , x =7 , y =0 , v =5859



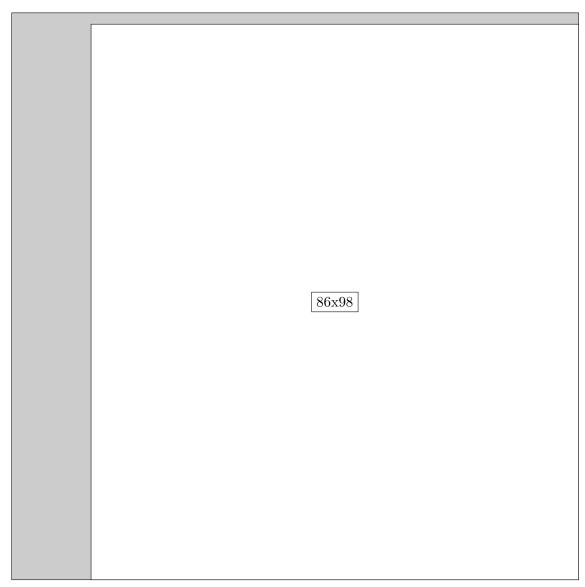
 $\le =99$, h =52 , x =1 , y =0 , v =5148



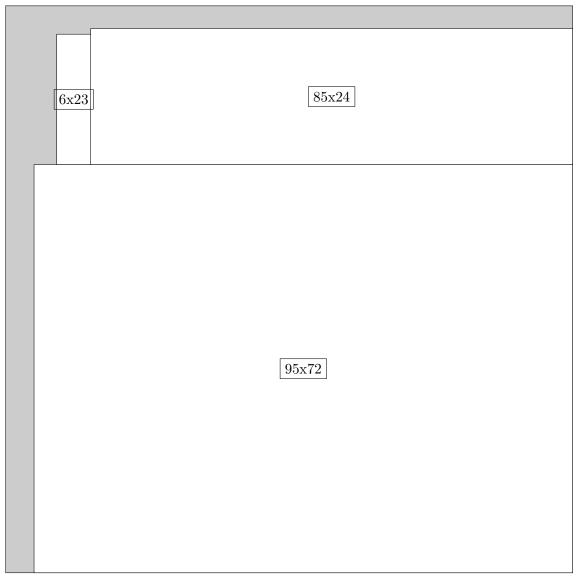
 $\le =83$, h =99 , x =17 , y =0 , v =8217



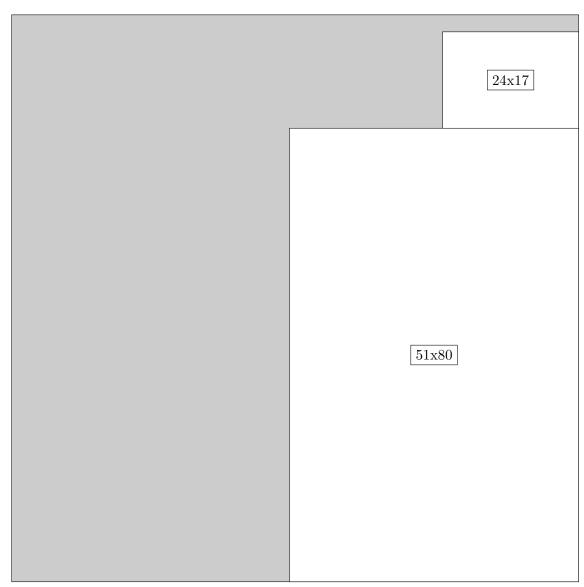
 $\le =92$, h=64 , x=8 , y=0 , v=5888



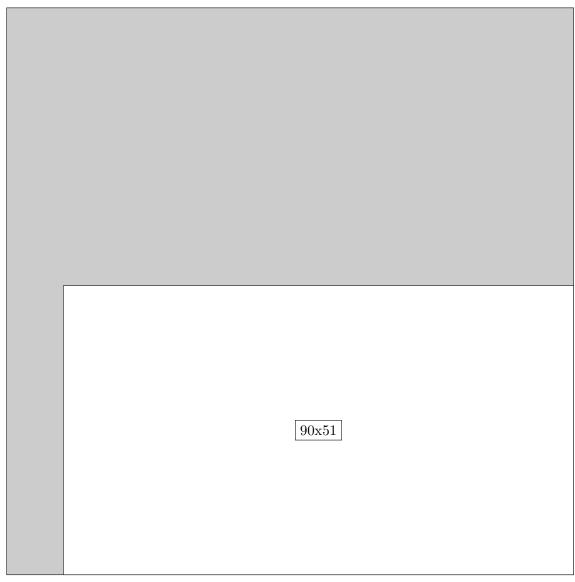
 $\le =86$, h =98 , x =14 , y =0 , v =8428



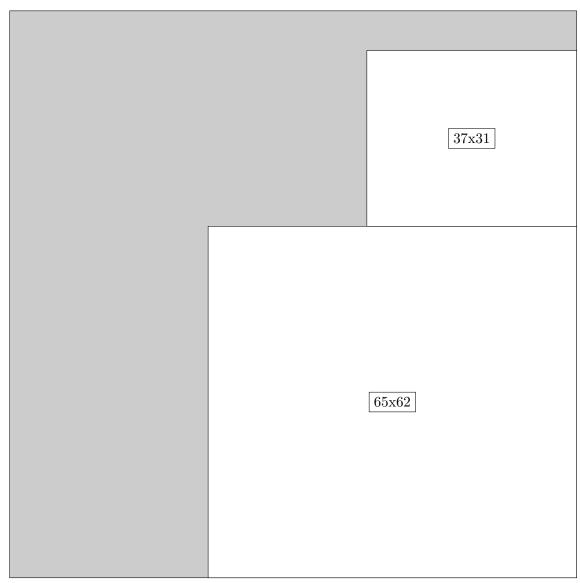
$$\begin{array}{l} w = \! 95 \ , \ h = \! 72 \ , \ x = \! 5 \ , \ y = \! 0 \ , \ v = \! 6840 \\ w = \! 85 \ , \ h = \! 24 \ , \ x = \! 15 \ , \ y = \! 72 \ , \ v = \! 2040 \\ w = \! 6 \ , \ h = \! 23 \ , \ x = \! 9 \ , \ y = \! 72 \ , \ v = \! 138 \end{array}$$



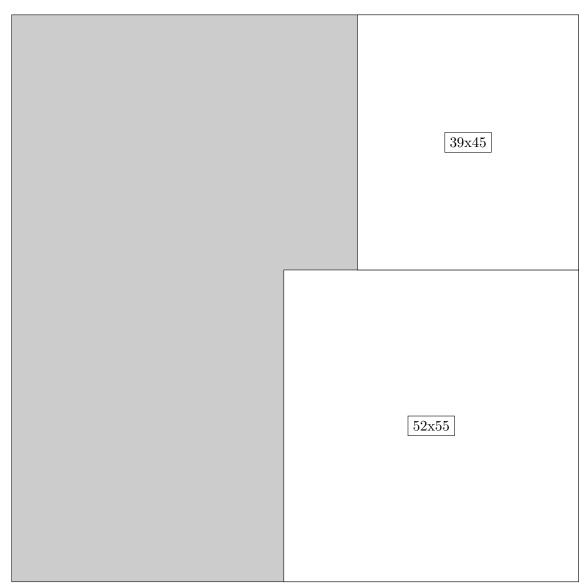
$$\begin{array}{l} w = \! 51 \ , \ h = \! 80 \ , \ x = \! 49 \ , \ y = \! 0 \ , \ v = \! 4080 \\ w = \! 24 \ , \ h = \! 17 \ , \ x = \! 76 \ , \ y = \! 80 \ , \ v = \! 408 \end{array}$$



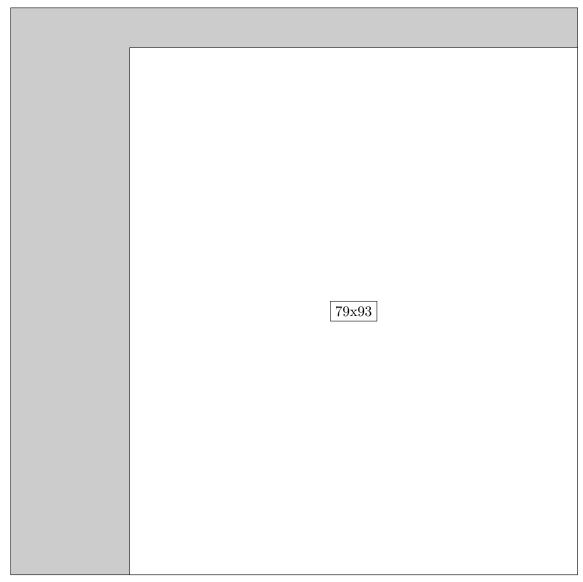
 $\le =90$, h =51 , x =10 , y =0 , v =4590



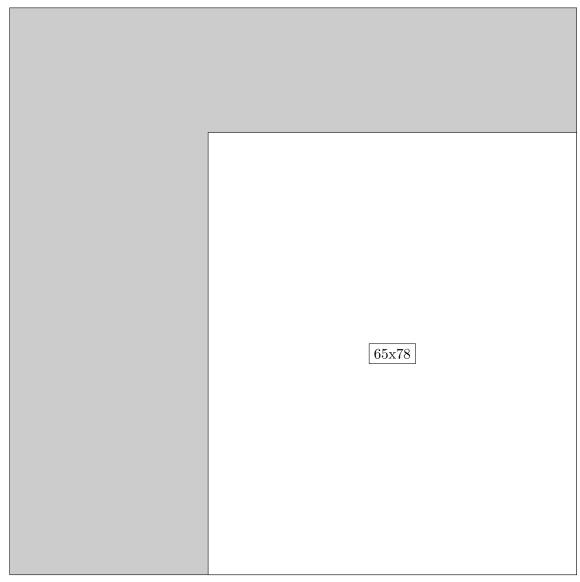
$$\begin{array}{l} w = \!65 \ , \, h = \!62 \ , \, x = \!35 \ , \, y = \!0 \ , \, v = \!4030 \\ w = \!37 \ , \, h = \!31 \ , \, x = \!63 \ , \, y = \!62 \ , \, v = \!1147 \end{array}$$



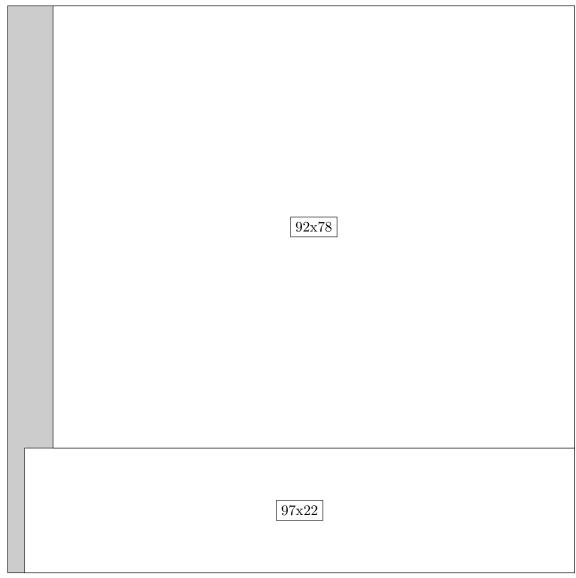
$$\begin{array}{l} w = \!52 \ , \ h = \!55 \ , \ x = \!48 \ , \ y = \!0 \ , \ v = \!2860 \\ w = \!39 \ , \ h = \!45 \ , \ x = \!61 \ , \ y = \!55 \ , \ v = \!1755 \end{array}$$

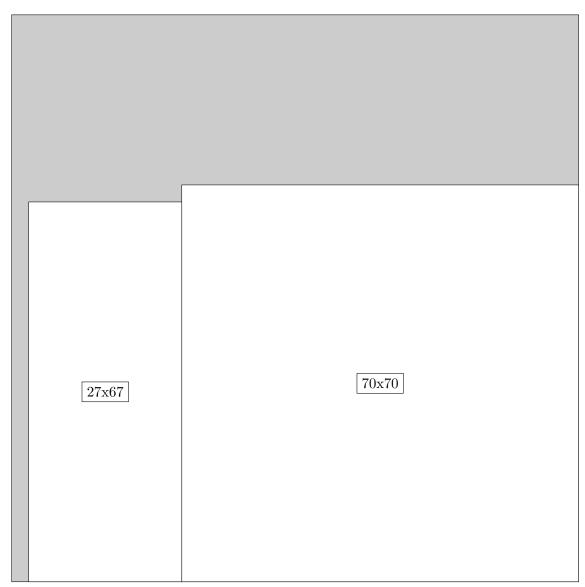


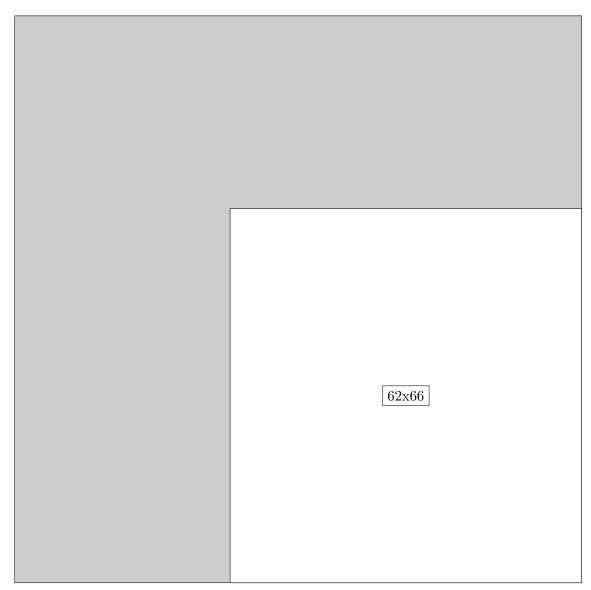
 $\le =79$, h =93 , x =21 , y =0 , v =7347



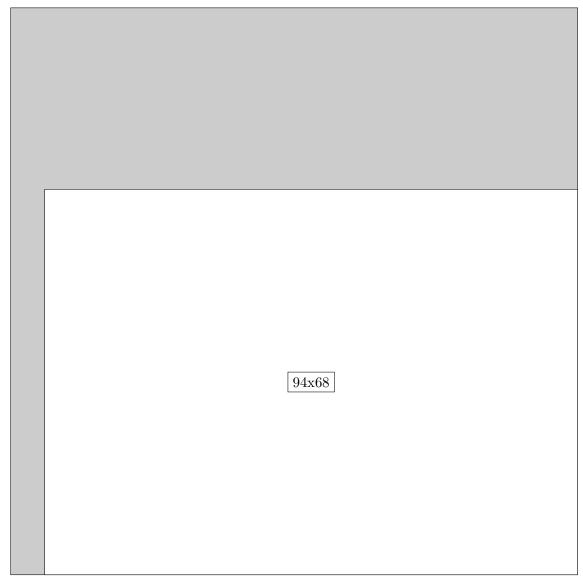
 $\le =65$, h =78 , x =35 , y =0 , v =5070



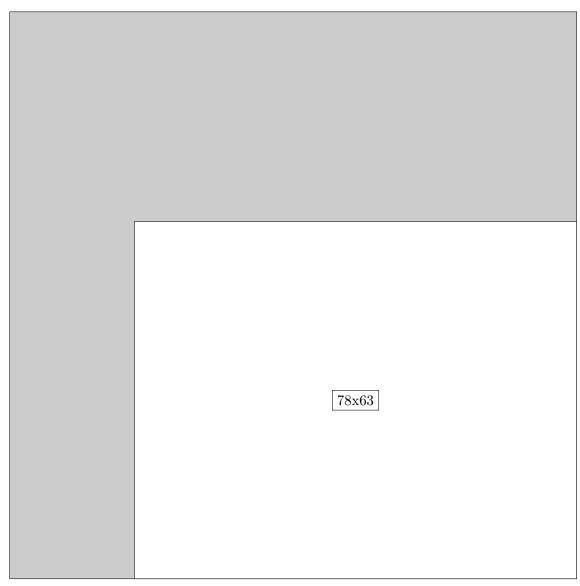




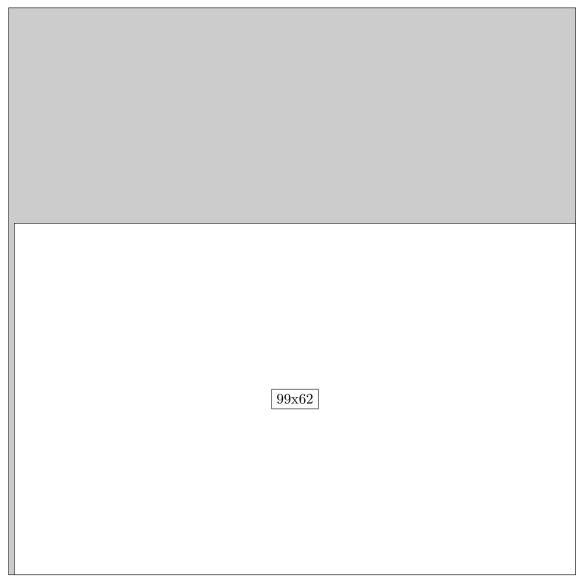
 $\le =62$, h=66 , x=38 , y=0 , v=4092



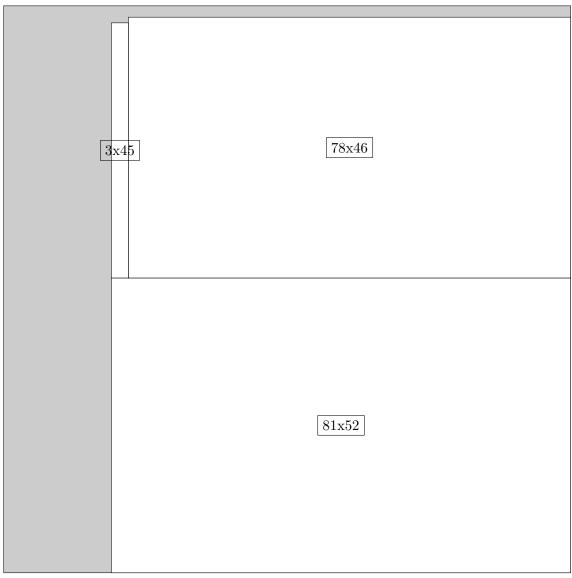
 $\le =94$, h =68 , x =6 , y =0 , v =6392



 $\le =78$, h =63 , x =22 , y =0 , v =4914



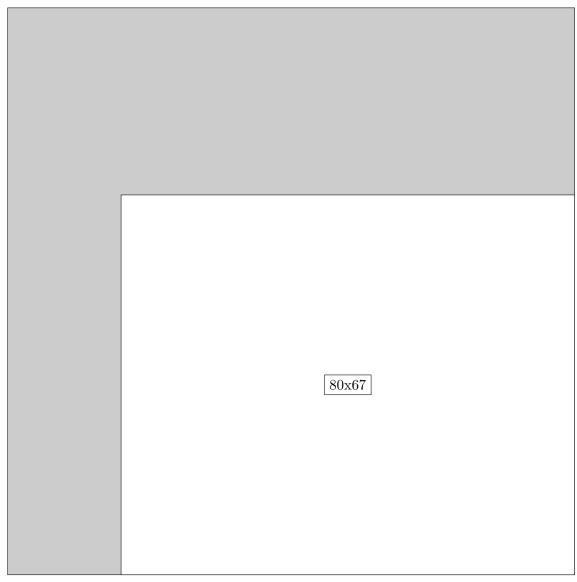
 $\le =99$, h =62 , x =1 , y =0 , v =6138



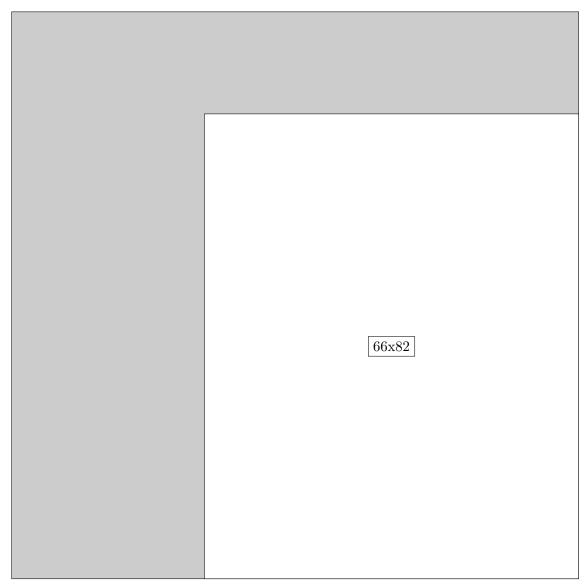
 $\begin{array}{l} w = \! 81 \; , \; h = \! 52 \; , \; x = \! 19 \; , \; y = \! 0 \; , \; v = \! 4212 \\ w = \! 78 \; , \; h = \! 46 \; , \; x = \! 22 \; , \; y = \! 52 \; , \; v = \! 3588 \\ w = \! 3 \; , \; h = \! 45 \; , \; x = \! 19 \; , \; y = \! 52 \; , \; v = \! 135 \end{array}$



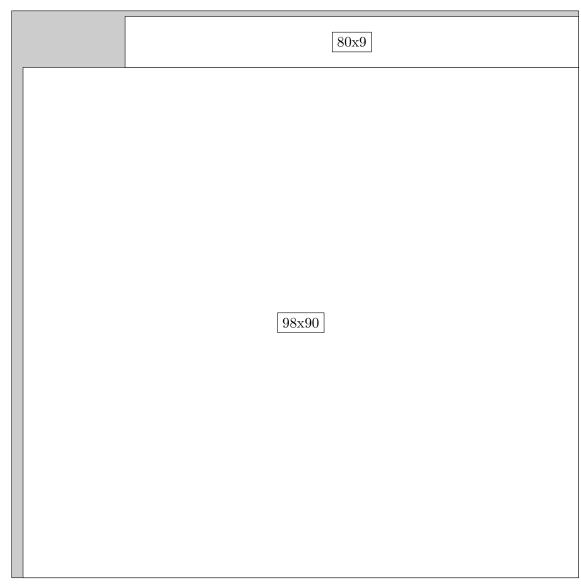
$$\begin{array}{l} w = \!68 \ , \, h = \!50 \ , \, x = \!32 \ , \, y = \!0 \ , \, v = \!3400 \\ w = \!46 \ , \, h = \!47 \ , \, x = \!54 \ , \, y = \!50 \ , \, v = \!2162 \end{array}$$

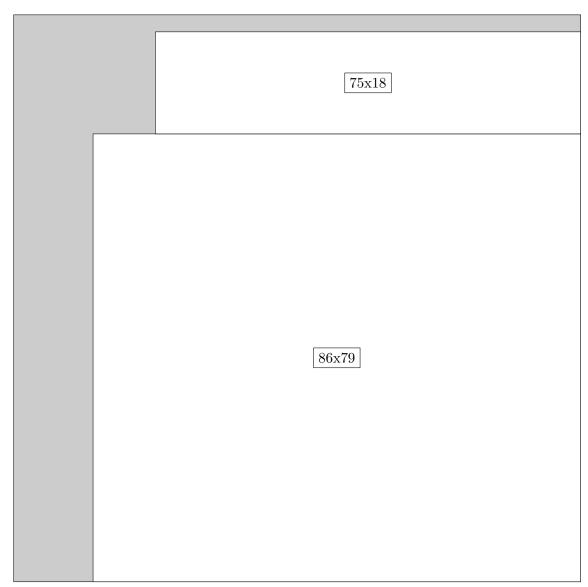


 $\le =80$, h=67 , x=20 , y=0 , v=5360

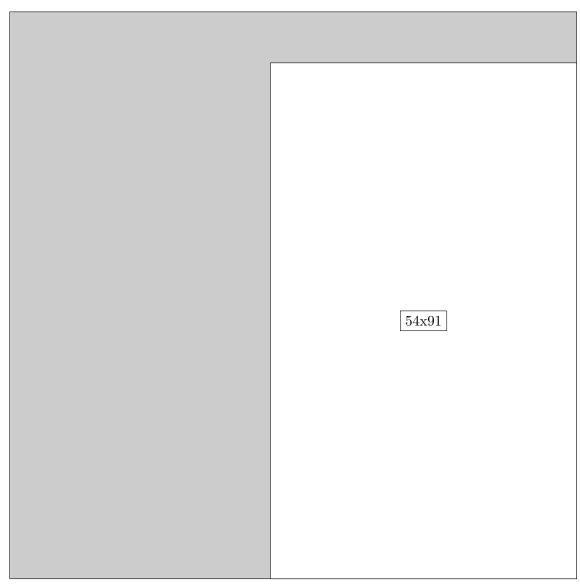


 $\le =66$, h =82 , x =34 , y =0 , v = 5412

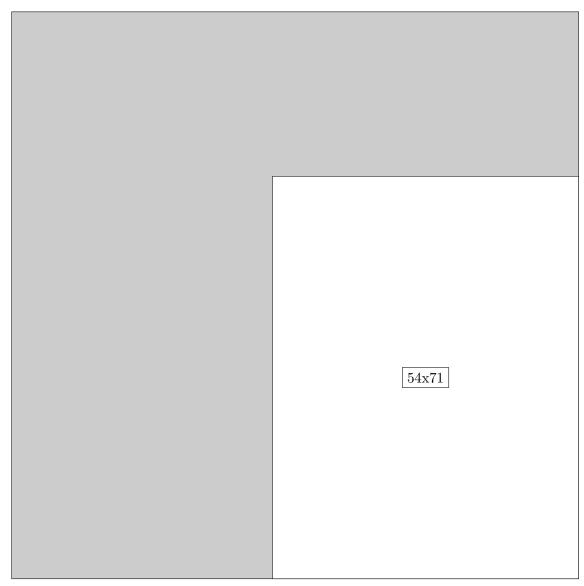




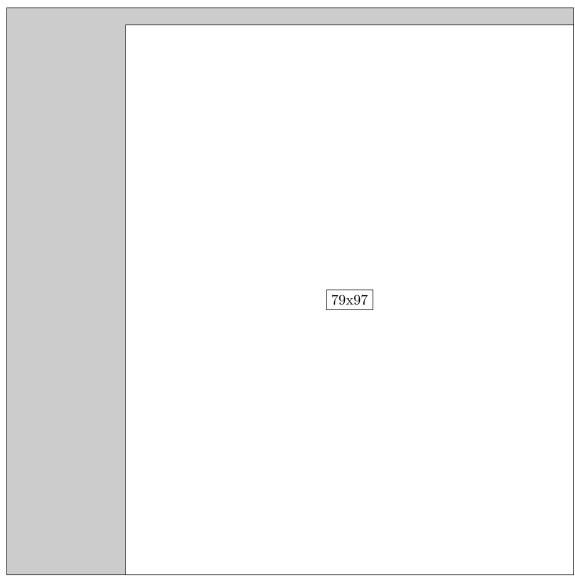
$$\begin{array}{c} w = \! 86 \; , \; h = \! 79 \; , \; x = \! 14 \; , \; y = \! 0 \; , \; v = \! 6794 \\ w = \! 75 \; , \; h = \! 18 \; , \; x = \! 25 \; , \; y = \! 79 \; , \; v = \! 1350 \\ \end{array}$$



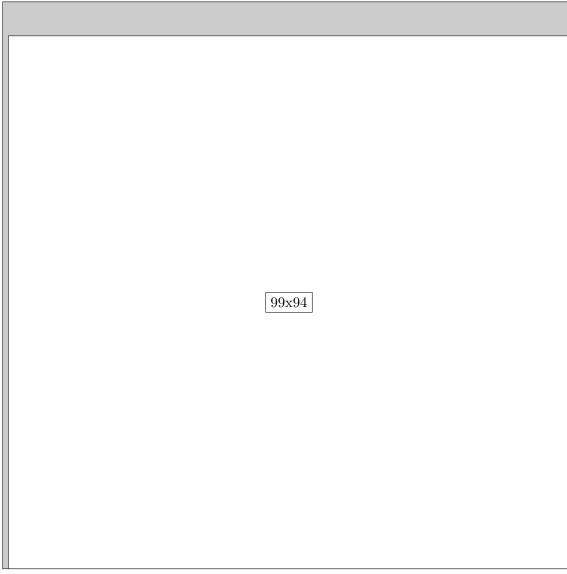
 ≤ 54 , h =91 , x =46 , y =0 , v =4914



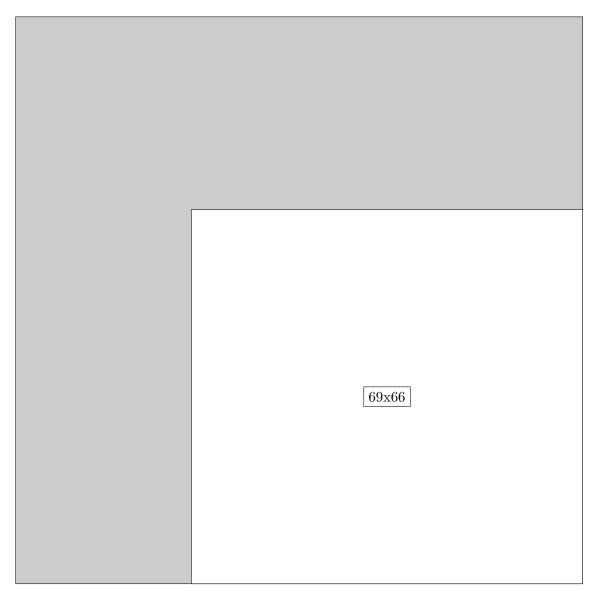
 $\le =54$, h=71 , x=46 , y=0 , v=3834



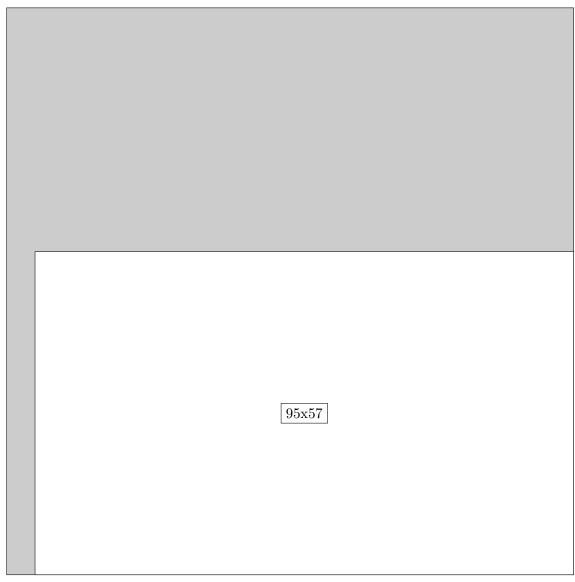
 $\le =79$, h =97 , x =21 , y =0 , v =7663



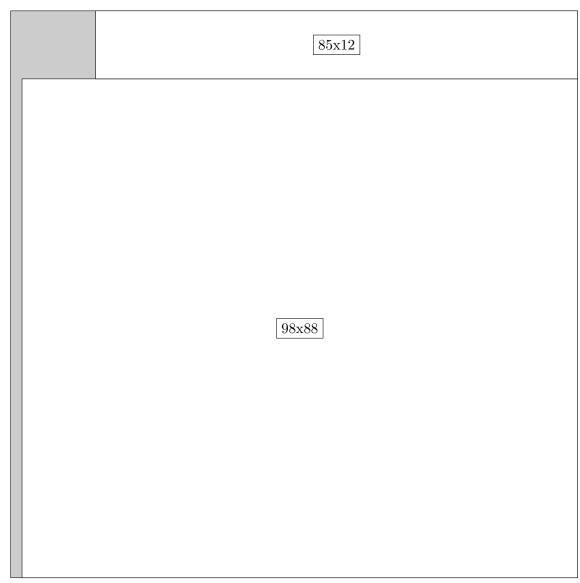
 $\le =99$, h =94 , x =1 , y =0 , v =9306

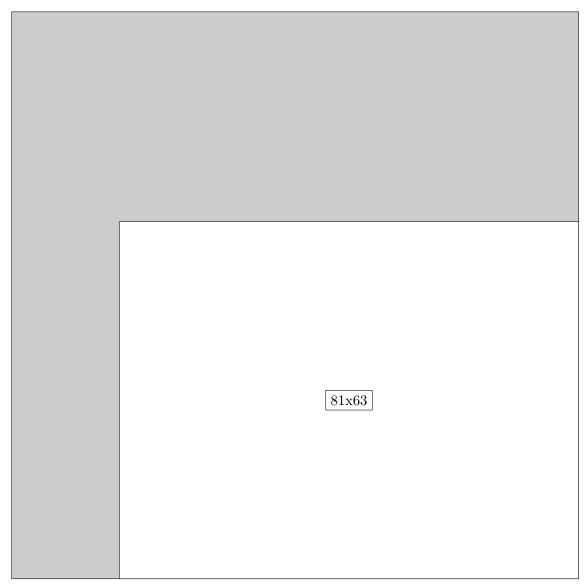


 $\le =69$, h=66 , x=31 , y=0 , v=4554

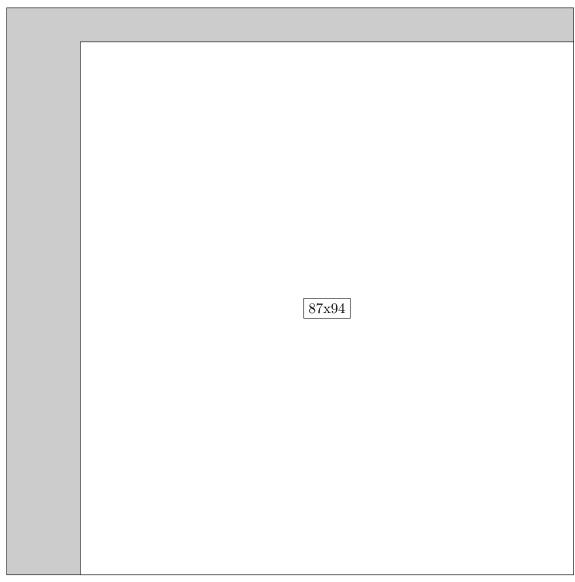


 ≤ -95 , h =57 , x =5 , y =0 , v =5415

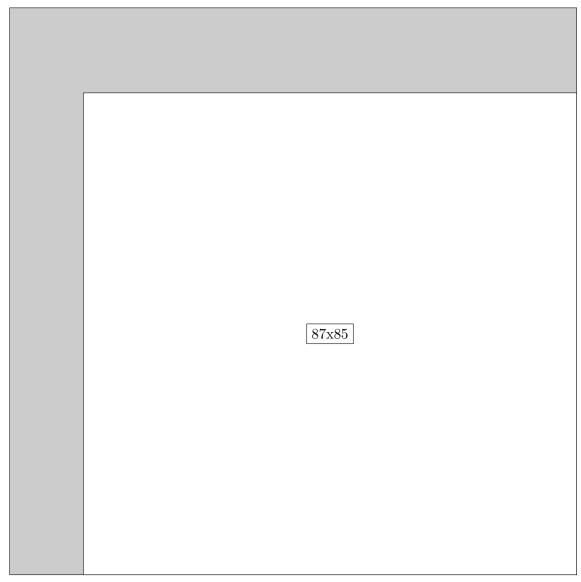




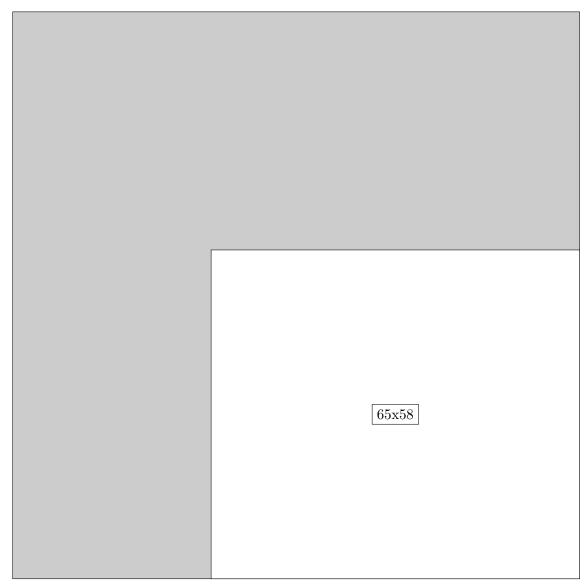
 $\le =81$, h =63 , x =19 , y =0 , v =5103



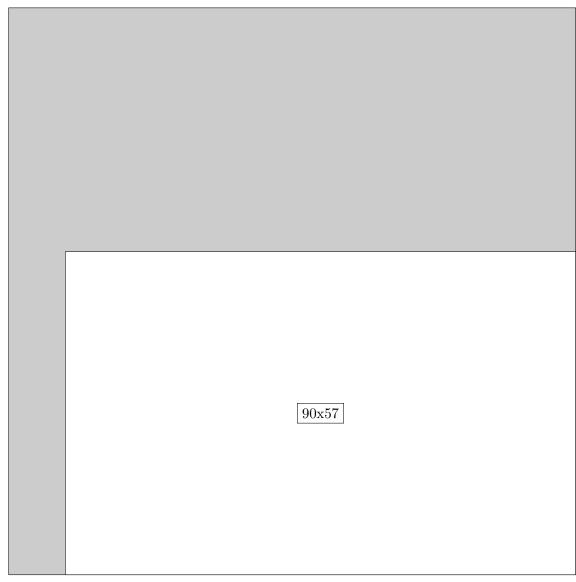
 $\le =87$, h =94 , x =13 , y =0 , v =8178



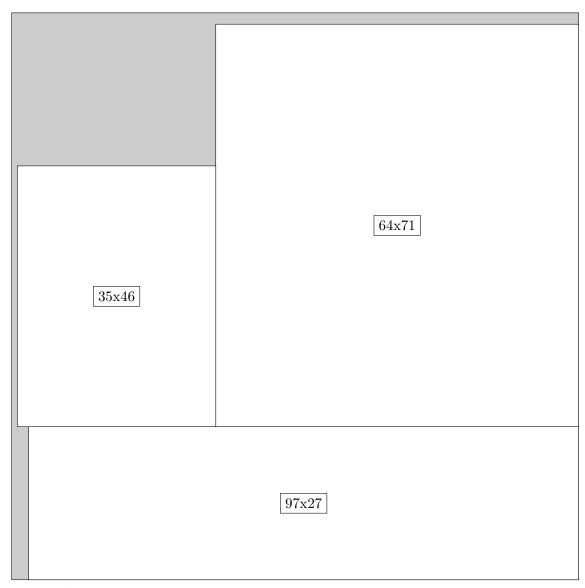
 $\le =87$, h =85 , x =13 , y =0 , v =7395



 $\le =65$, h =58 , x =35 , y =0 , v =3770



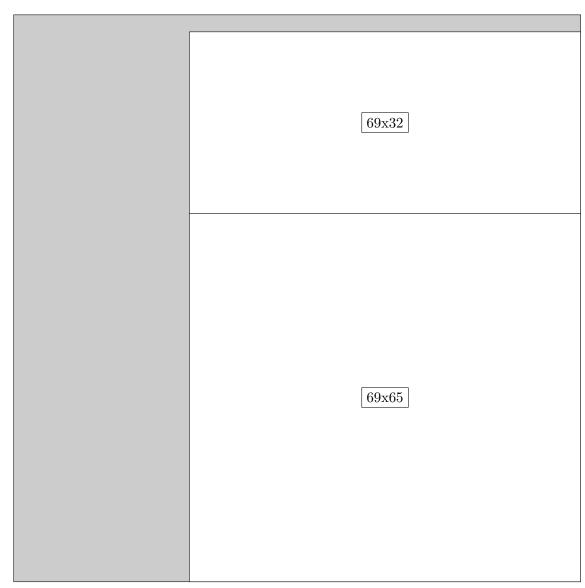
 $\le =90$, h =57 , x =10 , y =0 , v =5130



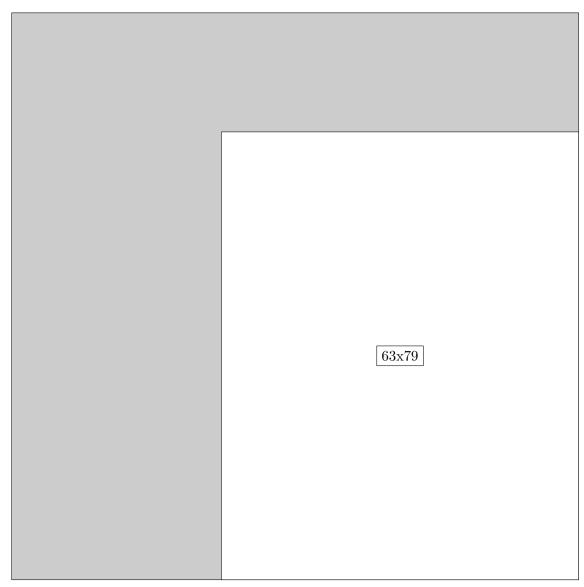
$$\le =97$$
 , h =27 , x =3 , y =0 , v =2619

$$\mathbf{w}$$
 =64 , h =71 , x =36 , y =27 , v =4544

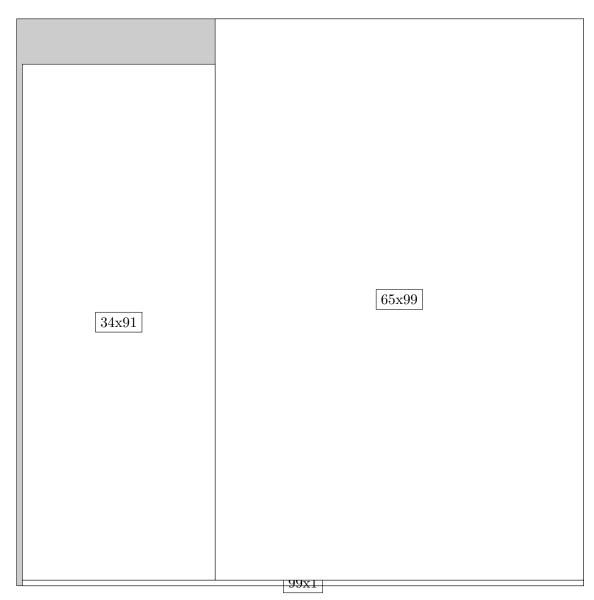
$$\le =35$$
 , h =46 , x =1 , y =27 , v =1610



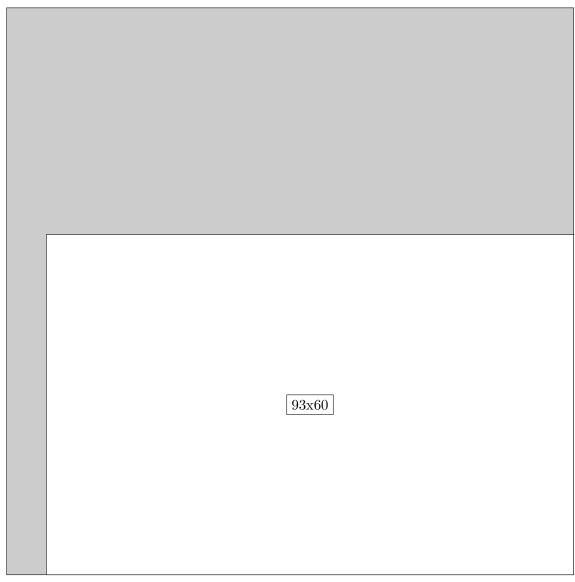
$$\begin{array}{l} w = \!69 \ , \, h = \!65 \ , \, x = \!31 \ , \, y = \!0 \ , \, v = \!4485 \\ w = \!69 \ , \, h = \!32 \ , \, x = \!31 \ , \, y = \!65 \ , \, v = \!2208 \end{array}$$



 $\le =63$, h =79 , x =37 , y =0 , v =4977



 $\begin{array}{l} w = 99 \ , \ h = 1 \ , \ x = 1 \ , \ y = 0 \ , \ v = 99 \\ w = 65 \ , \ h = 99 \ , \ x = 35 \ , \ y = 1 \ , \ v = 6435 \\ w = 34 \ , \ h = 91 \ , \ x = 1 \ , \ y = 1 \ , \ v = 3094 \end{array}$



 $\le =93$, h=60 , x=7 , y=0 , v=5580