$ClassName: \ Class_09.2bp-48$

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

TypeNum: <u>99</u> Num: <u>100</u> OutS: <u>660000</u> InS: <u>434689</u> Rate: <u>0.659</u> UB: <u>66</u> LB0: <u>66</u>

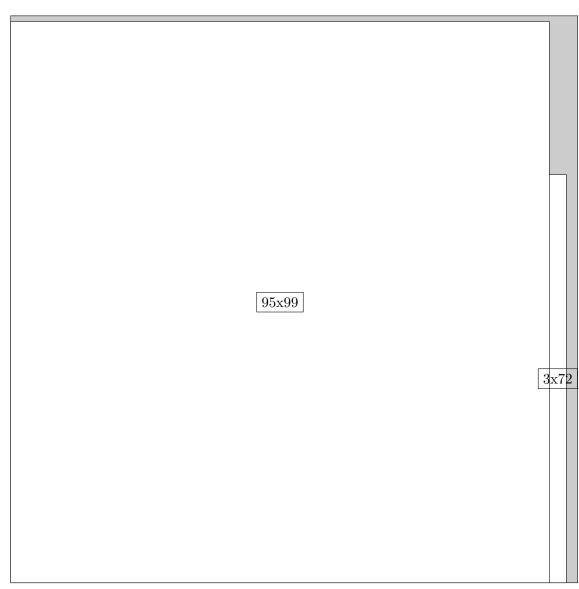
LBWithCut: $\underline{\mathbf{66}}$ NodeCut: $\underline{\mathbf{0}}$

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

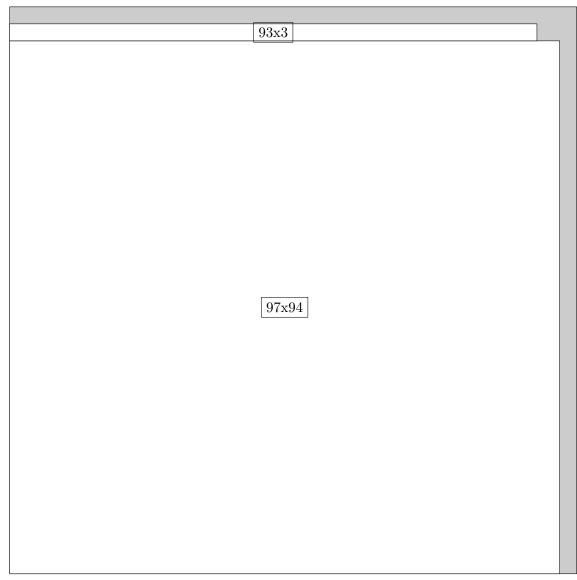
GenNodeCnt: $\underline{\mathbf{1}}$ PrimalNode: $\underline{\mathbf{0}}$ ColumnCount: $\underline{\mathbf{66}}$ TotalCutCount: $\underline{\mathbf{0}}$ RootCutCount: $\underline{\mathbf{0}}$ LPSolverCnt: $\underline{\mathbf{1}}$ PricingSolverCnt: $\underline{\mathbf{0}}$ BranchAndBoundNum: $\underline{\mathbf{1}}$

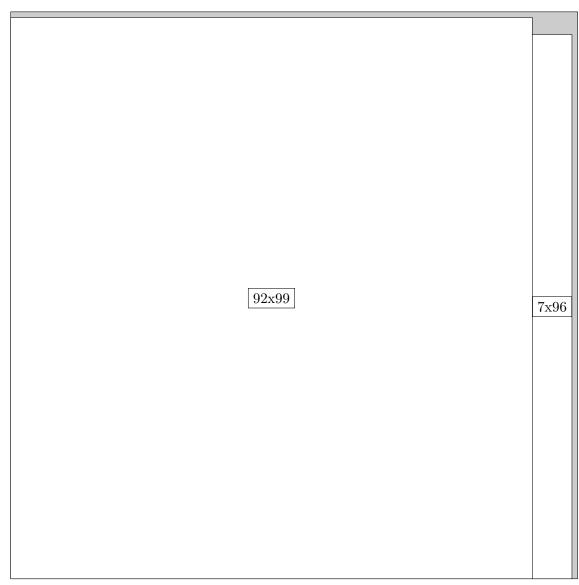
isOpt: **true**

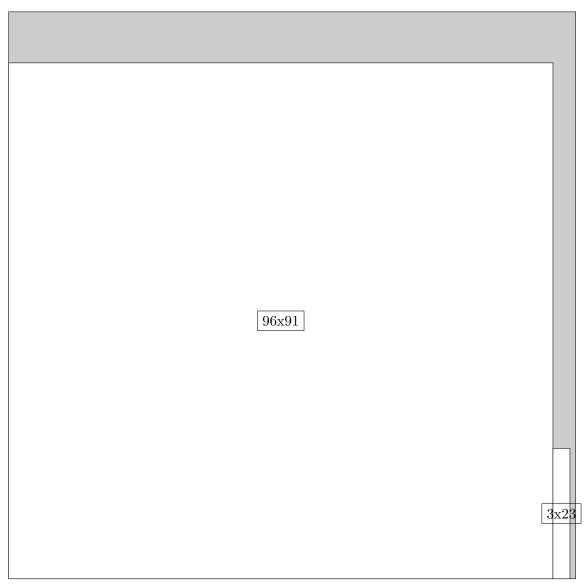
 $\begin{array}{ll} {\rm TimeOnInitSolution:} \ \underline{0.700 \ s} \\ {\rm TimeOnPrimal:} \ \underline{0.000 \ s} \\ {\rm TimeOnPricing:} \ \underline{0.000 \ s} \\ {\rm TimeOnRmp:} \ \underline{0.078 \ s} \\ {\rm TotalTime:} \ \underline{0.840 \ s} \\ \end{array}$

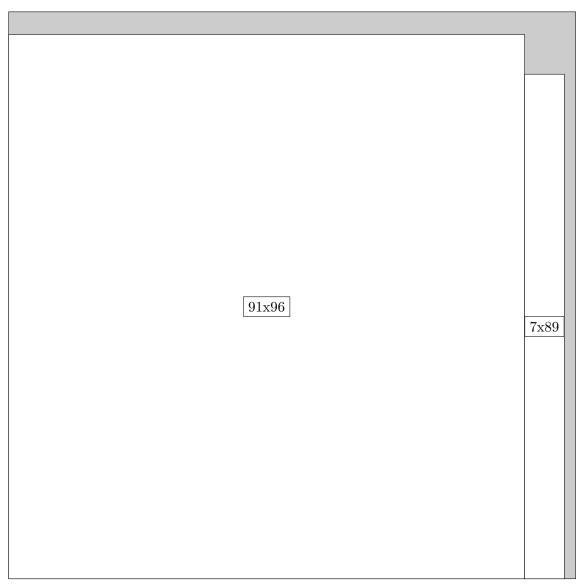


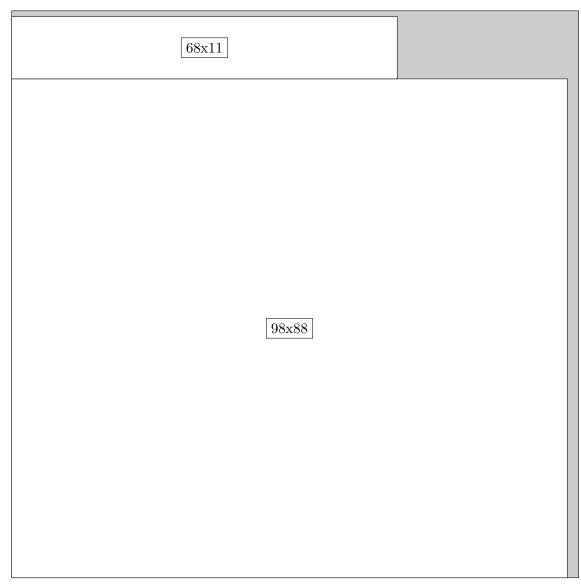
$$\begin{array}{l} w = \! 95 \ , \, h = \! 99 \ , \, x = \! 0 \ , \, y = \! 0 \ , \, v = \! 9405 \\ w = \! 3 \ , \, h = \! 72 \ , \, x = \! 95 \ , \, y = \! 0 \ , \, v = \! 216 \end{array}$$

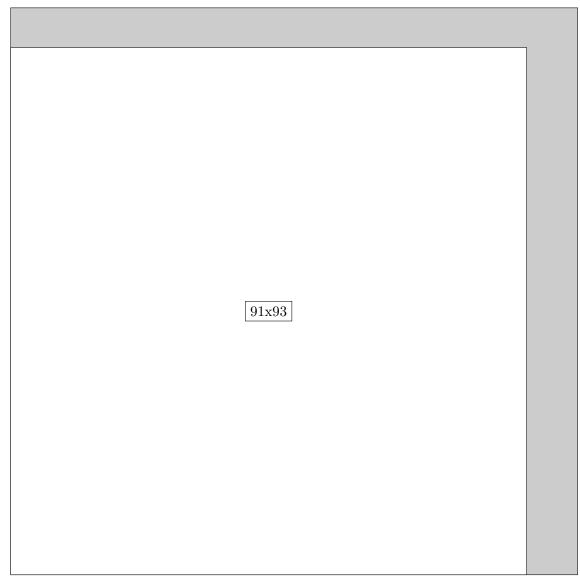




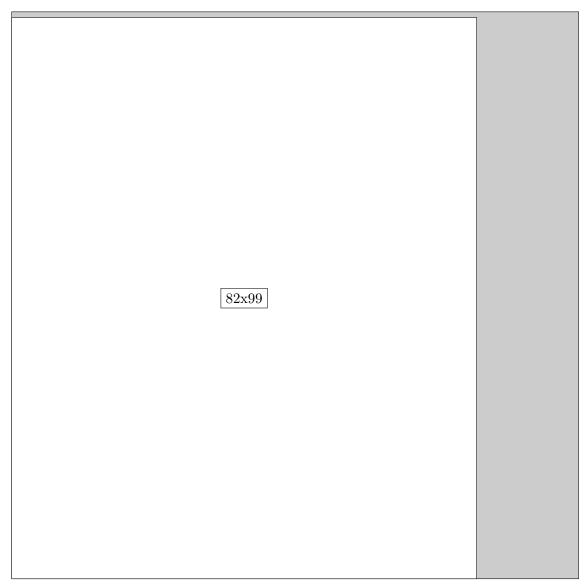




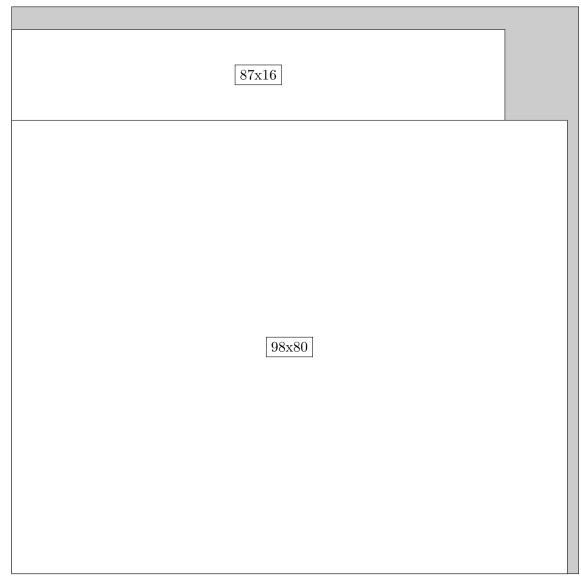


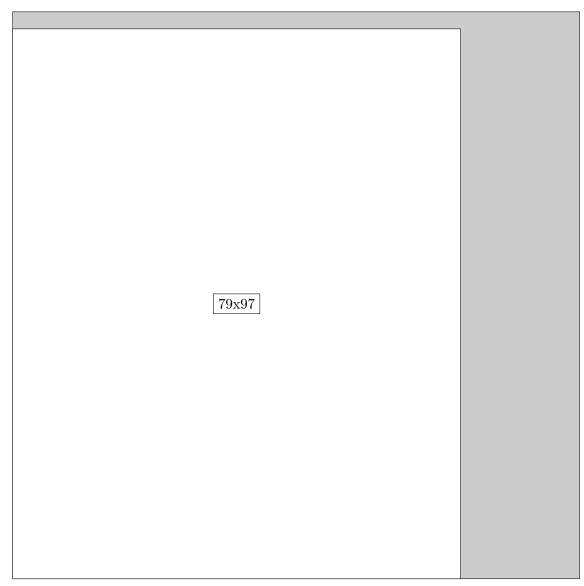


w = 91, h = 93, x = 0, y = 0, v = 8463

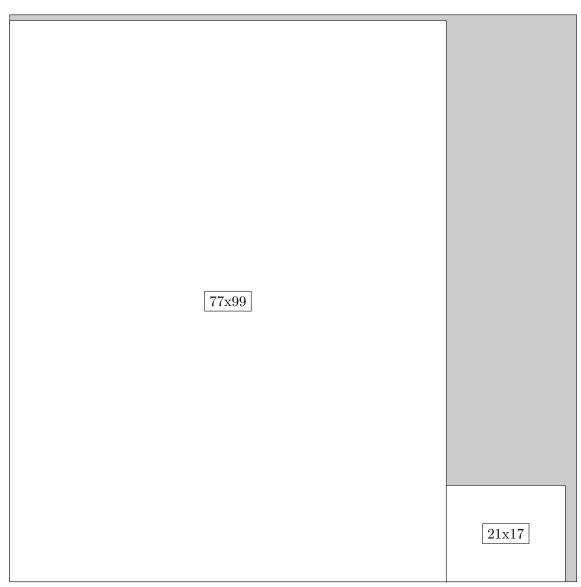


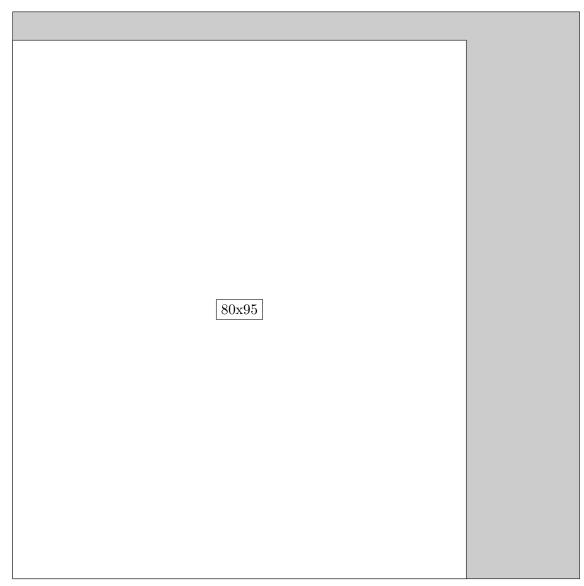
 $\le =82$, h =99 , x =0 , y =0 , v =8118



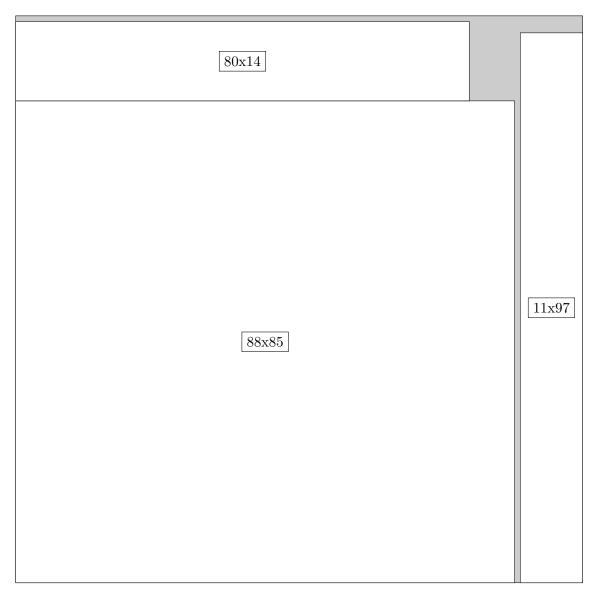


 $\overline{\rm w}$ =79 , h =97 , x =0 , y =0 , v =7663





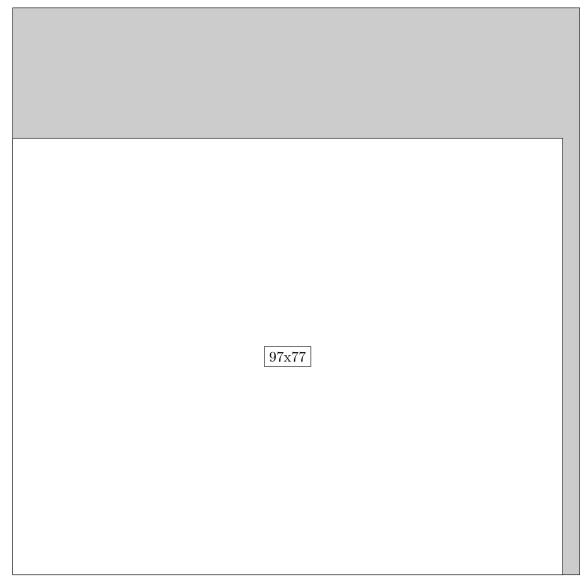
w = 80, h = 95, x = 0, y = 0, v = 7600



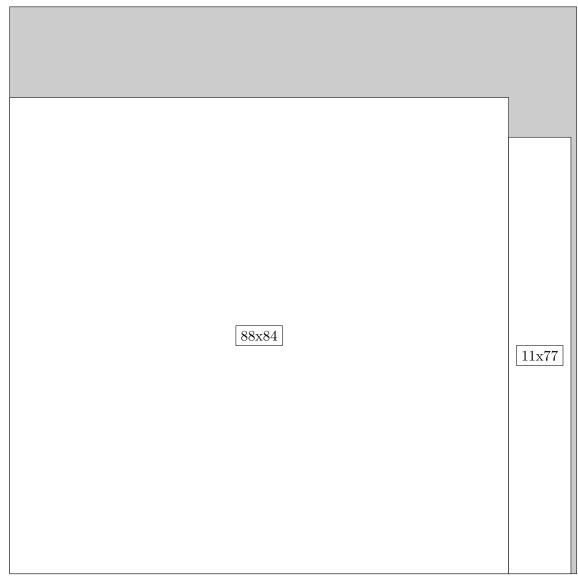
$$w = 88$$
, $h = 85$, $x = 0$, $y = 0$, $v = 7480$

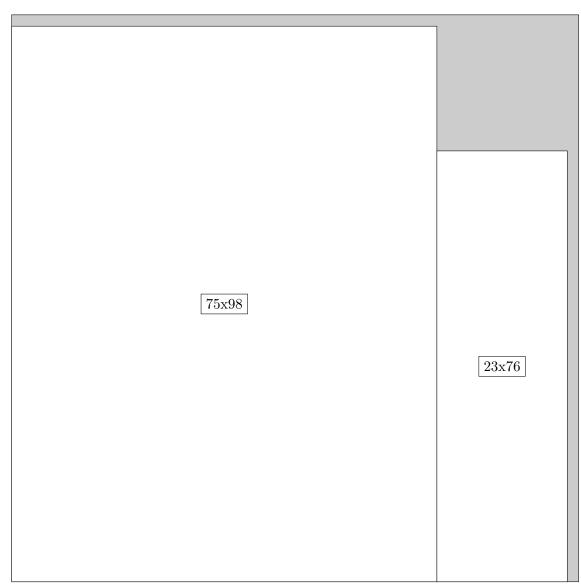
$$\le =80$$
 , h =14 , x =0 , y =85 , v =1120

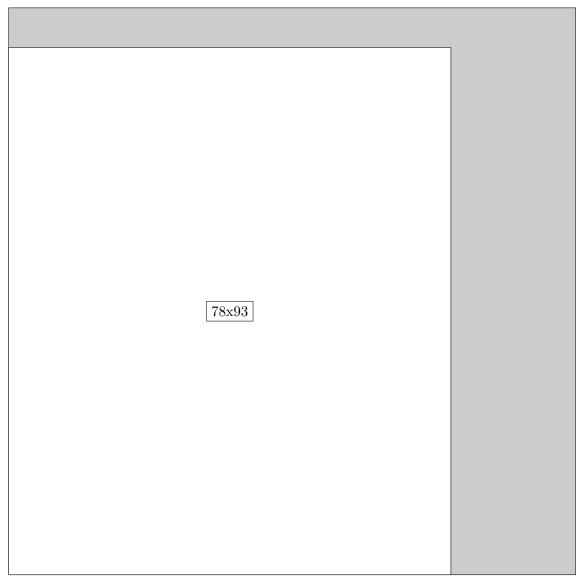
$$\le =11$$
 , $h=97$, $x=89$, $y=0$, $v=1067$



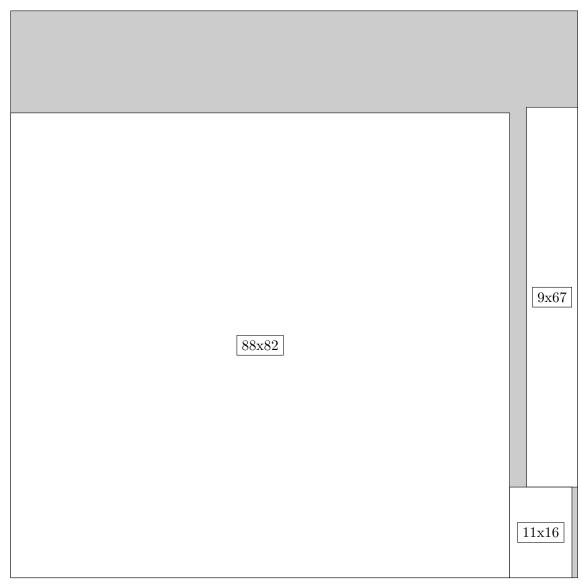
 $\le =97$, h =77 , x =0 , y =0 , v =7469



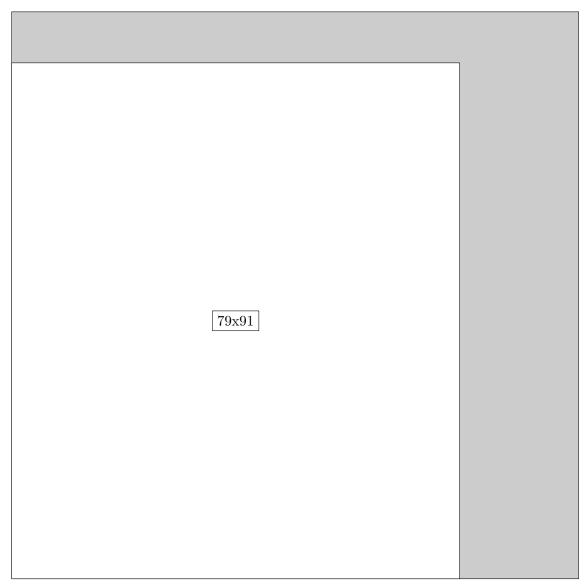




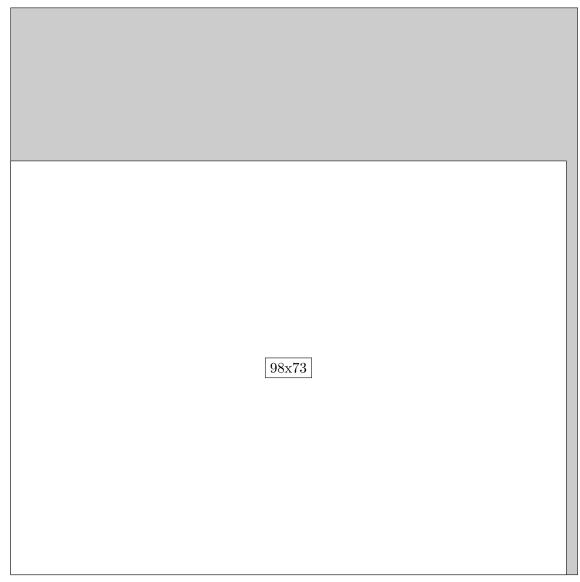
w = 78, h = 93, x = 0, y = 0, v = 7254



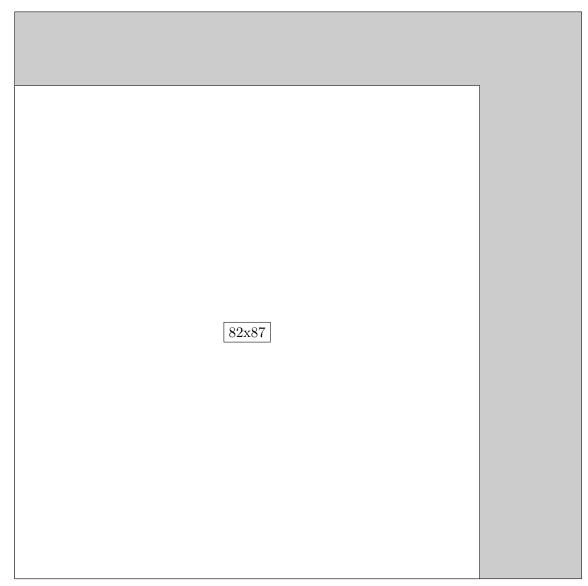
 $\begin{array}{l} w = \! 88 \; , \; h = \! 82 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 7216 \\ w = \! 9 \; , \; h = \! 67 \; , \; x = \! 91 \; , \; y = \! 16 \; , \; v = \! 603 \\ w = \! 11 \; , \; h = \! 16 \; , \; x = \! 88 \; , \; y = \! 0 \; , \; v = \! 176 \end{array}$



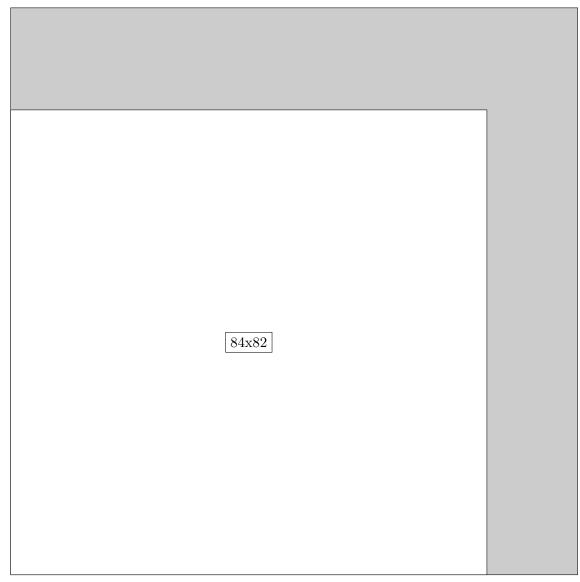
w = 79, h = 91, x = 0, y = 0, v = 7189



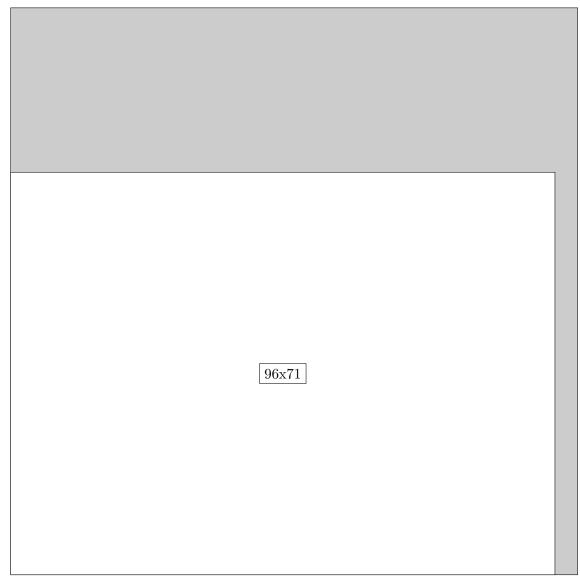
 $\le =98$, h =73 , x =0 , y =0 , v =7154



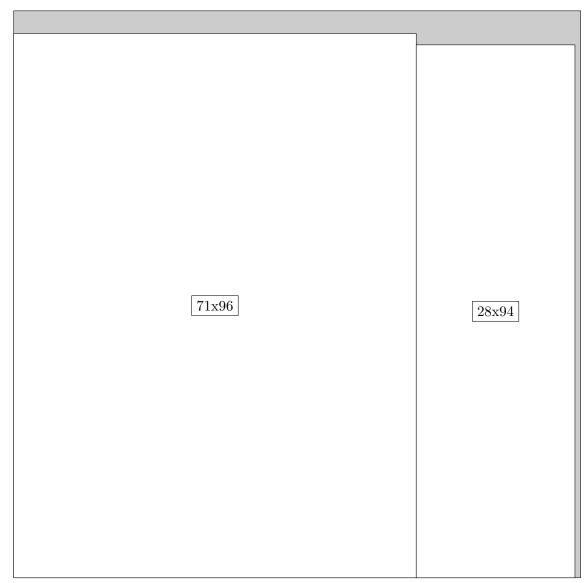
 $\le =82$, h =87 , x =0 , y =0 , v =7134

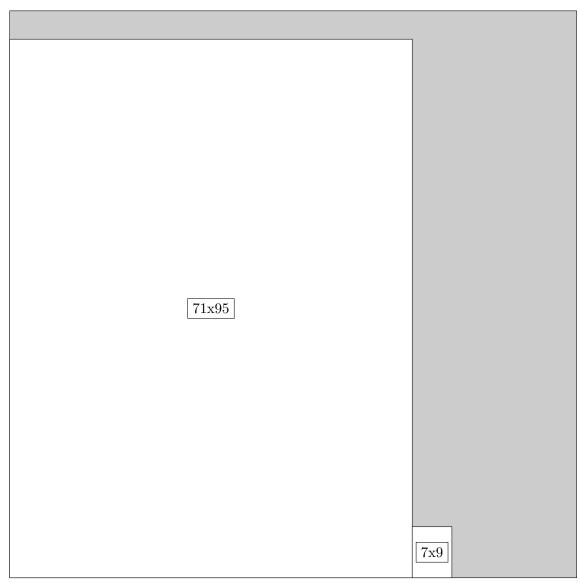


 $\le =84$, h =82 , x =0 , y =0 , v =6888

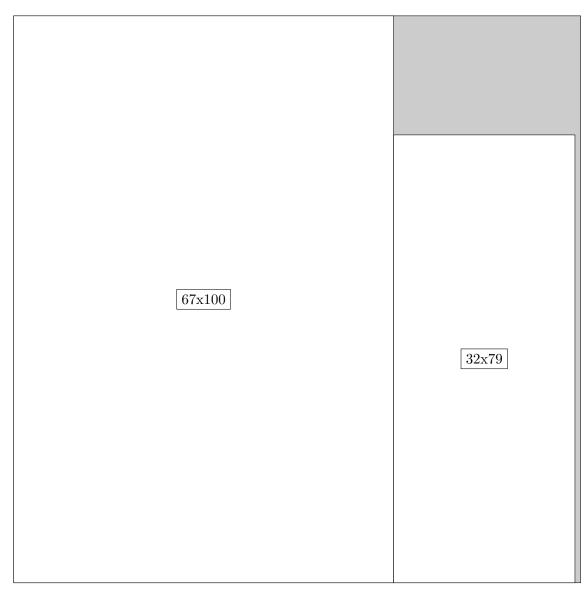


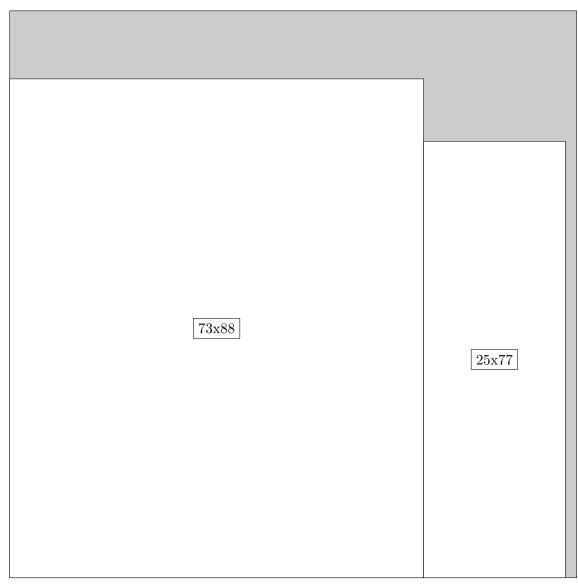
 $\le =96$, h =71 , x =0 , y =0 , v =6816



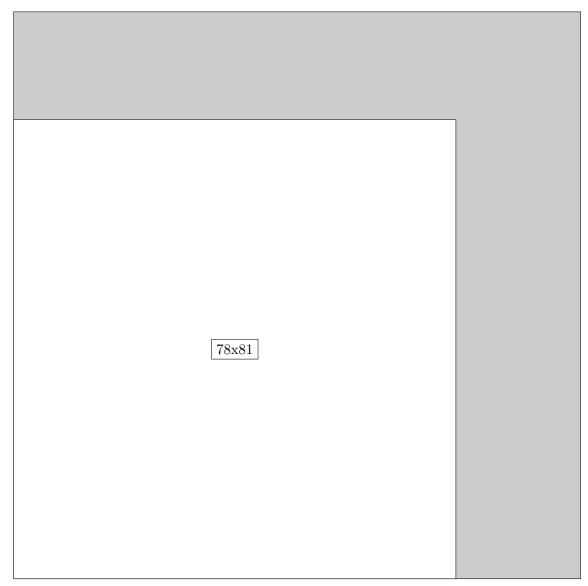


 $\begin{array}{c} w = \!\! 71 \ , \ h = \!\! 95 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 6745 \\ w = \!\! 7 \ , \ h = \!\! 9 \ , \ x = \!\! 71 \ , \ y = \!\! 0 \ , \ v = \!\! 63 \end{array}$

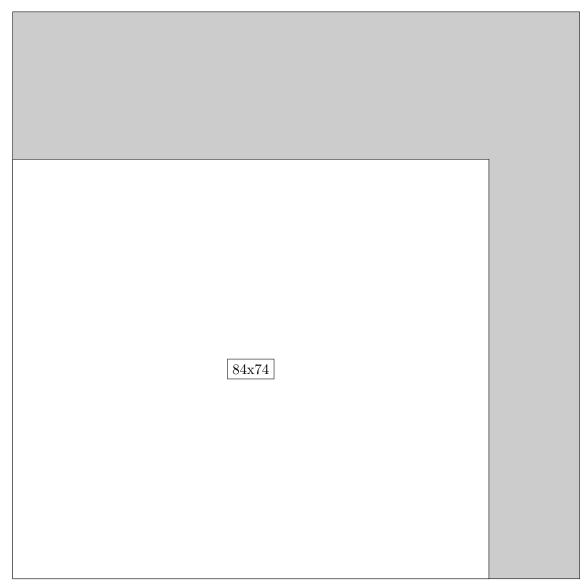




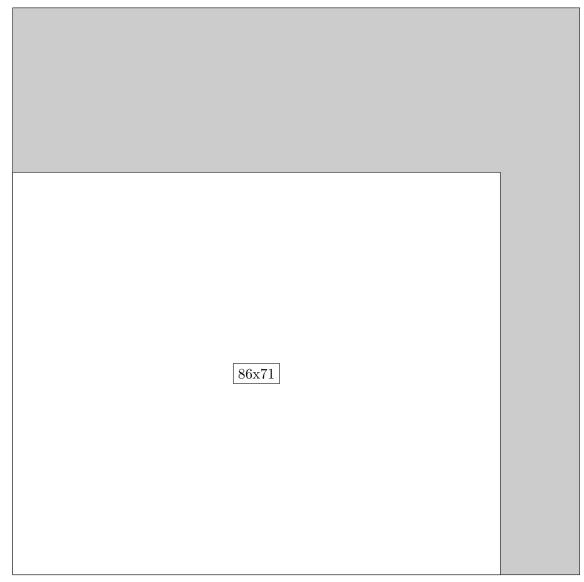
$$\begin{array}{c} w = 73 \ , \ h = 88 \ , \ x = 0 \ , \ y = 0 \ , \ v = 6424 \\ w = 25 \ , \ h = 77 \ , \ x = 73 \ , \ y = 0 \ , \ v = 1925 \\ \end{array}$$



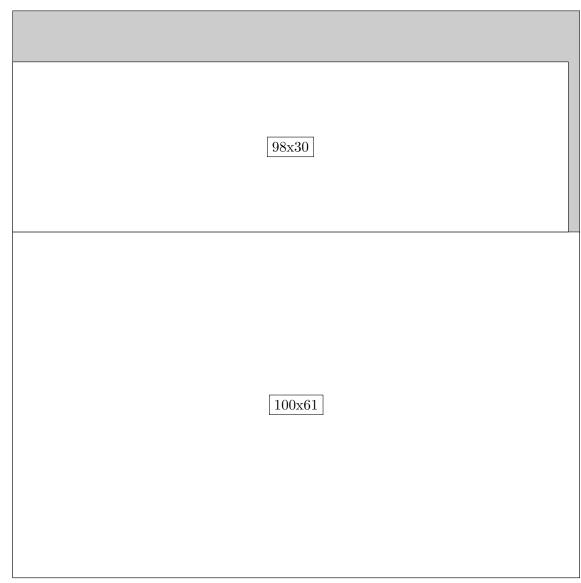
w = 78, h = 81, x = 0, y = 0, v = 6318



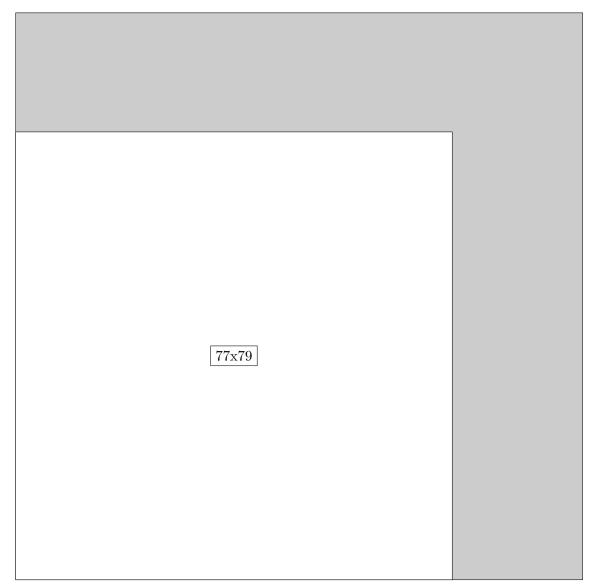
w = 84, h = 74, x = 0, y = 0, v = 6216



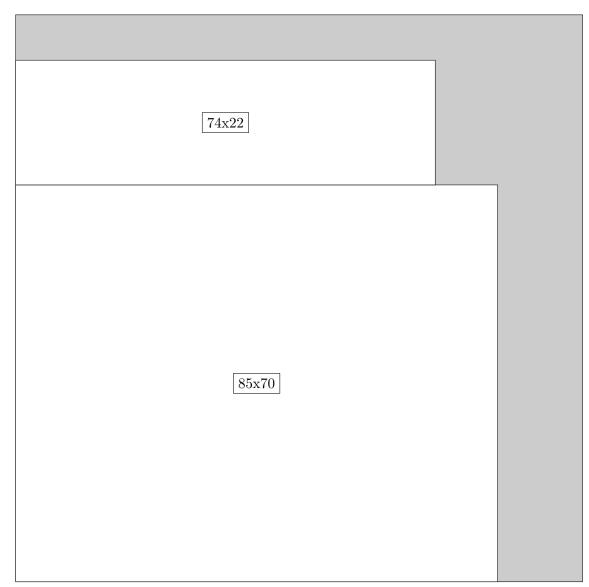
 $\le =86$, h =71 , x =0 , y =0 , v =6106

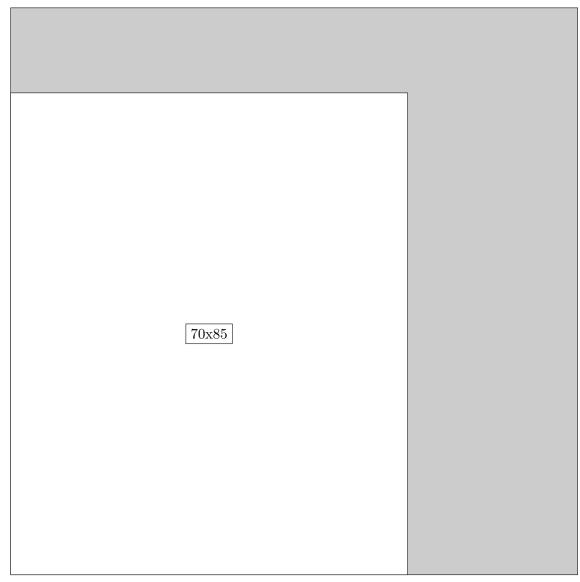


$$\begin{array}{c} w = \! 100 \; , \; h = \! 61 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 6100 \\ w = \! 98 \; , \; h = \! 30 \; , \; x = \! 0 \; , \; y = \! 61 \; , \; v = \! 2940 \\ \end{array}$$

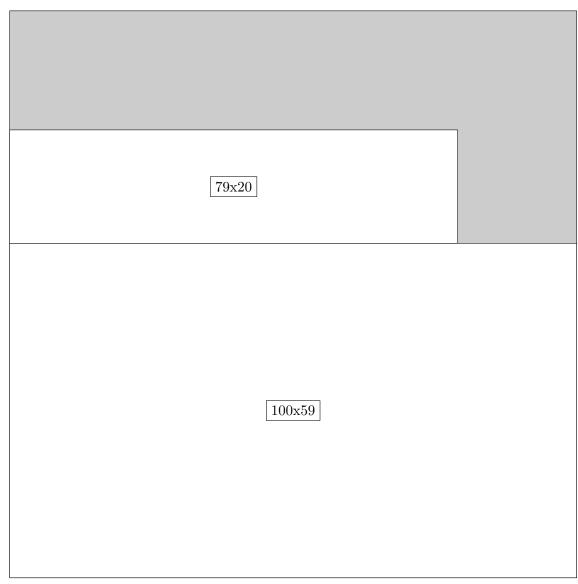


w = 77, h = 79, x = 0, y = 0, v = 6083

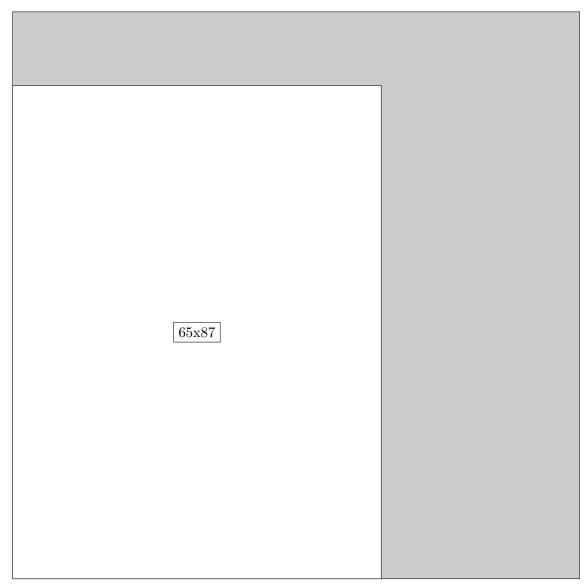




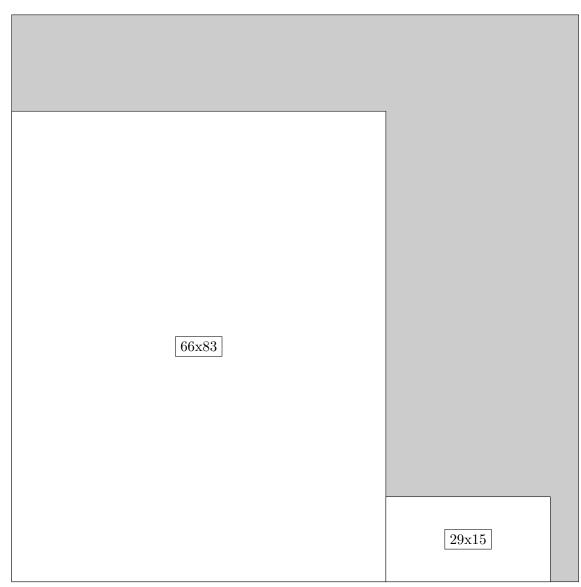
 $\overline{w} = 70$, h = 85, x = 0, y = 0, v = 5950



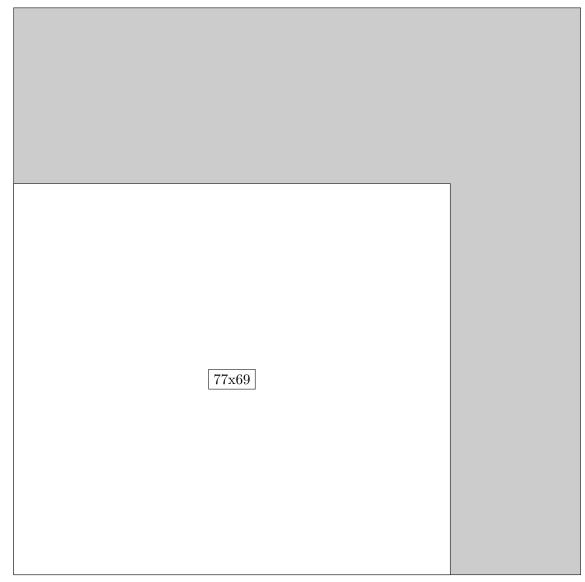
$$\begin{array}{c} w = \! 100 \; , \; h = \! 59 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 5900 \\ w = \! 79 \; , \; h = \! 20 \; , \; x = \! 0 \; , \; y = \! 59 \; , \; v = \! 1580 \\ \end{array}$$



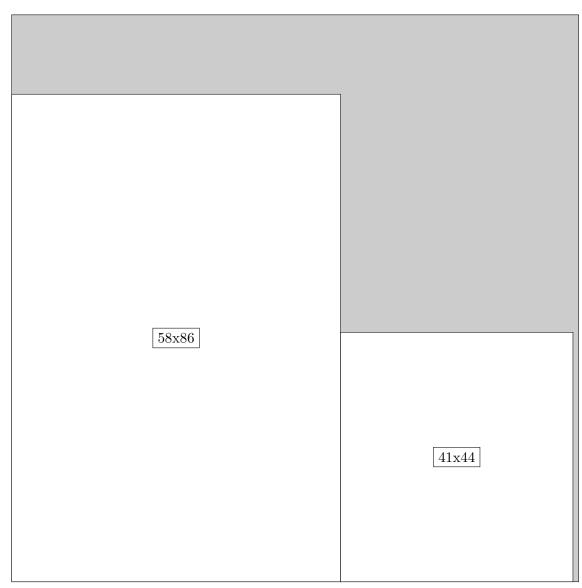
w = 65, h = 87, x = 0, y = 0, v = 5655

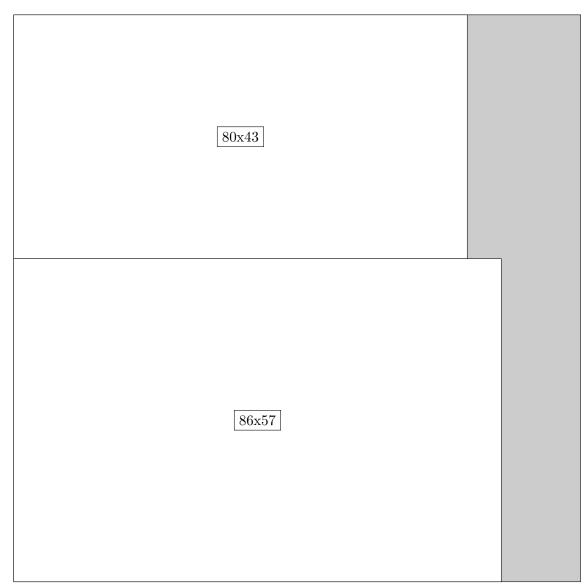


$$\begin{array}{c} w = 66 \; , \; h = 83 \; , \; x = 0 \; , \; y = 0 \; , \; v = 5478 \\ w = 29 \; , \; h = 15 \; , \; x = 66 \; , \; y = 0 \; , \; v = 435 \\ \end{array}$$

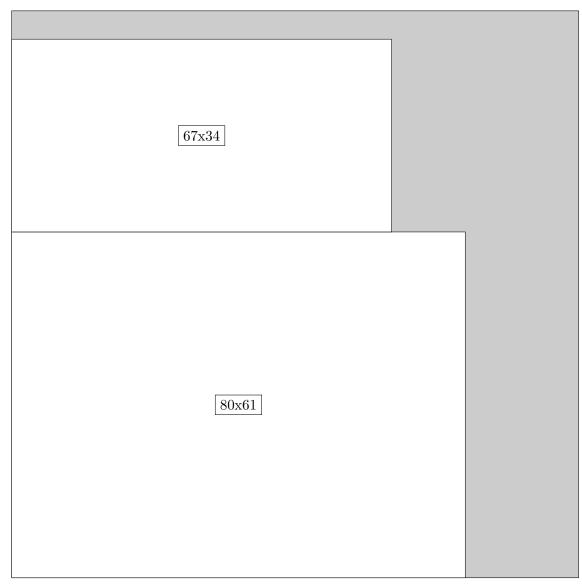


w = 77, h = 69, x = 0, y = 0, v = 5313

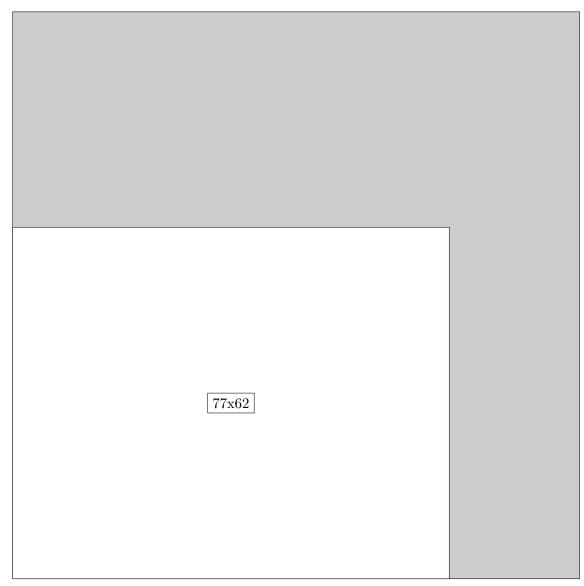




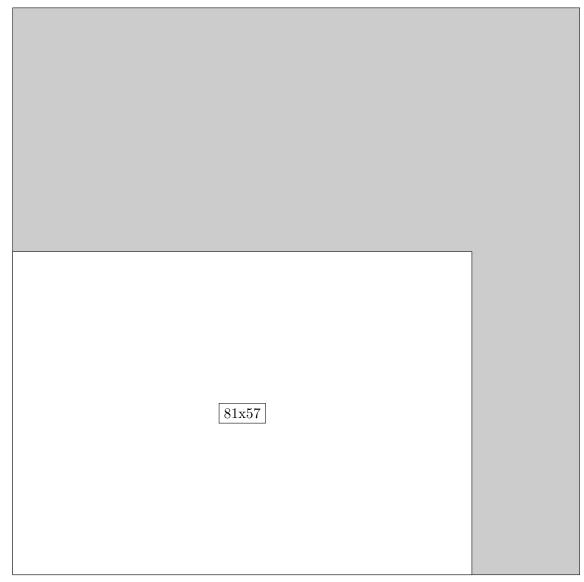
$$\begin{array}{c} w = \! 86 \; , \; h = \! 57 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 4902 \\ w = \! 80 \; , \; h = \! 43 \; , \; x = \! 0 \; , \; y = \! 57 \; , \; v = \! 3440 \\ \end{array}$$



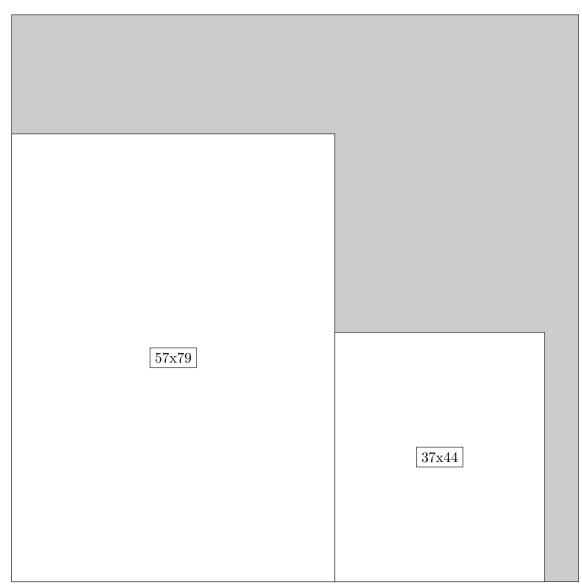
$$\begin{array}{l} w = \! 80 \ , \ h = \! 61 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 4880 \\ w = \! 67 \ , \ h = \! 34 \ , \ x = \! 0 \ , \ y = \! 61 \ , \ v = \! 2278 \end{array}$$

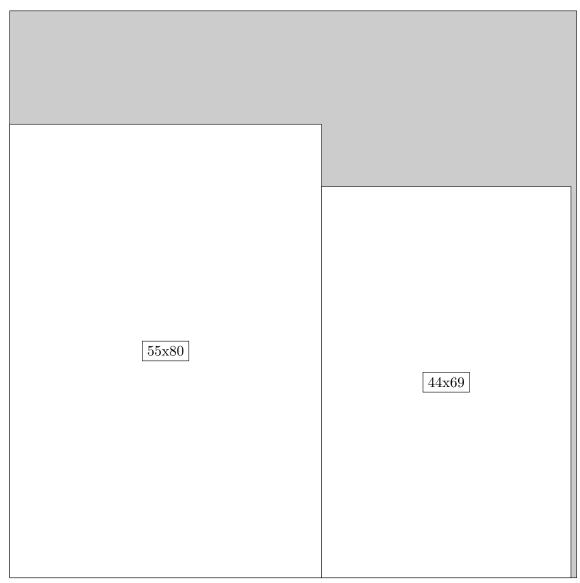


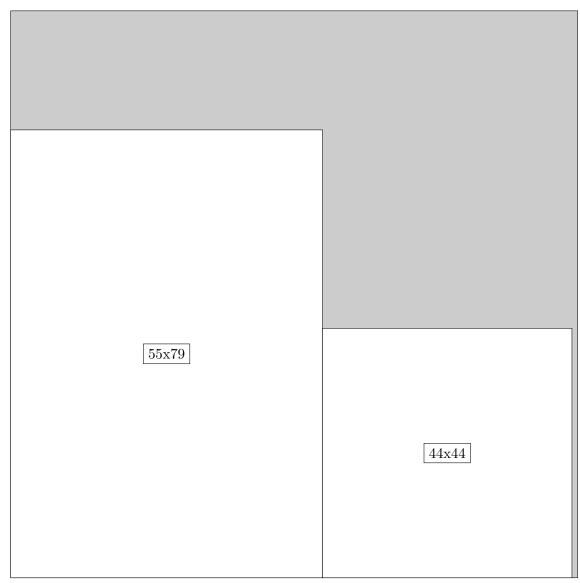
 \mathbf{w} =77 , h =62 , x =0 , y =0 , v =4774

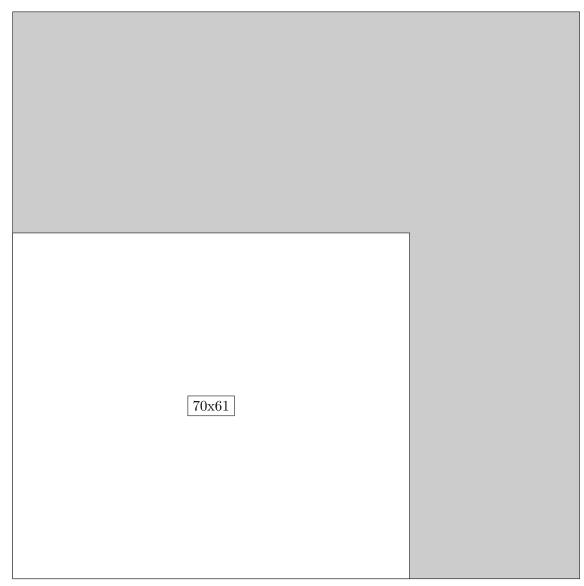


 $\le =81$, h =57 , x =0 , y =0 , v =4617

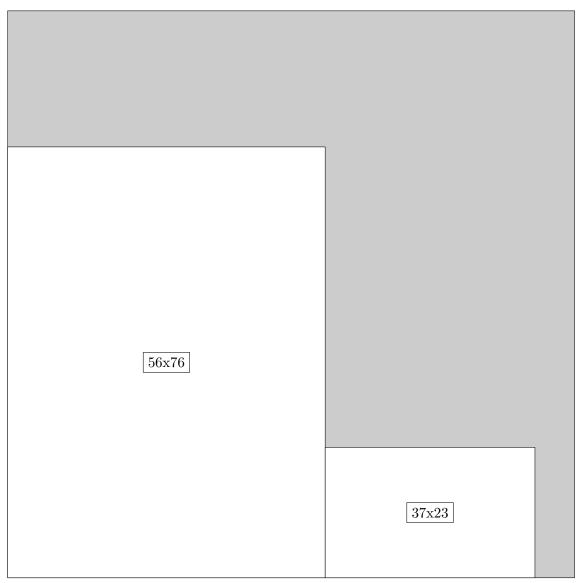




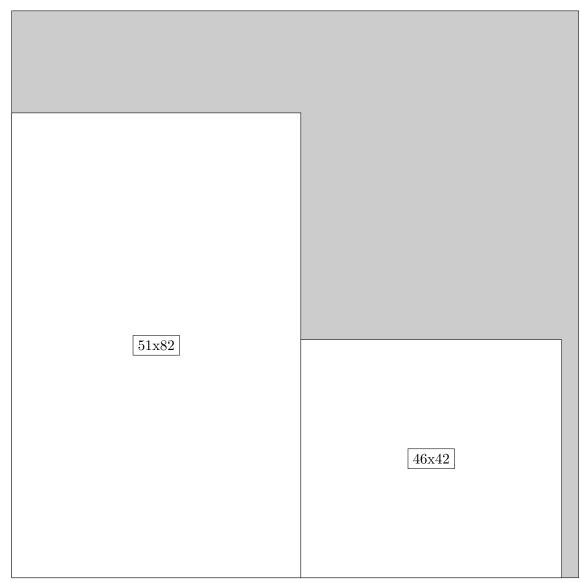




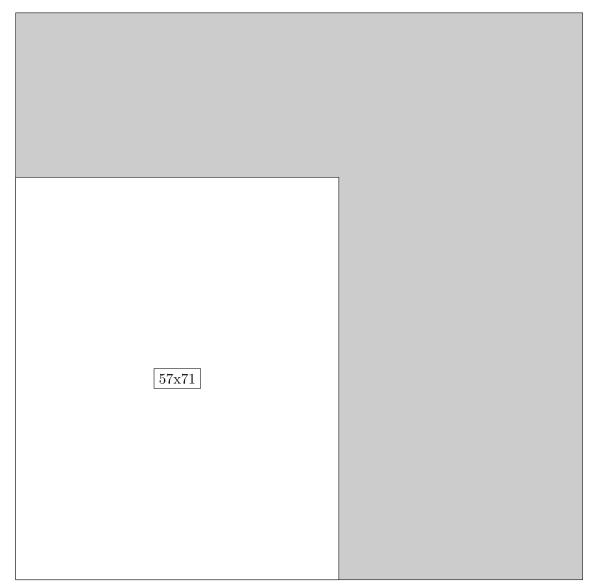
 $\overline{\rm w}$ =70 , h =61 , x =0 , y =0 , v =4270



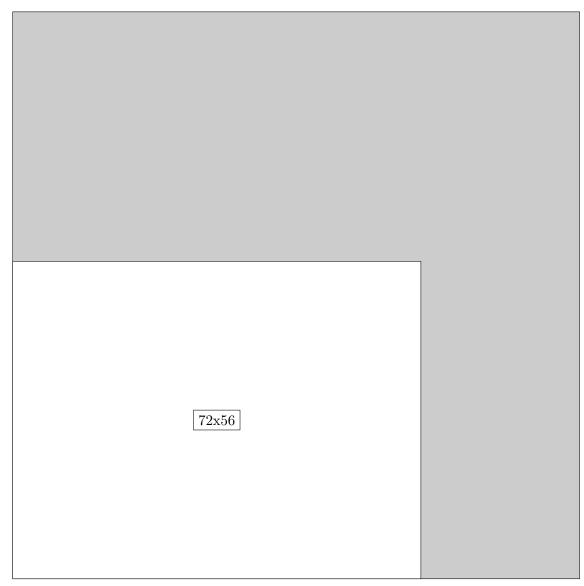
$$\begin{array}{c} w = 56 \; , \; h = 76 \; , \; x = 0 \; , \; y = 0 \; , \; v = \!\! 4256 \\ w = \!\! 37 \; , \; h = \!\! 23 \; , \; x = \!\! 56 \; , \; y = \!\! 0 \; , \; v = \!\! 851 \end{array}$$



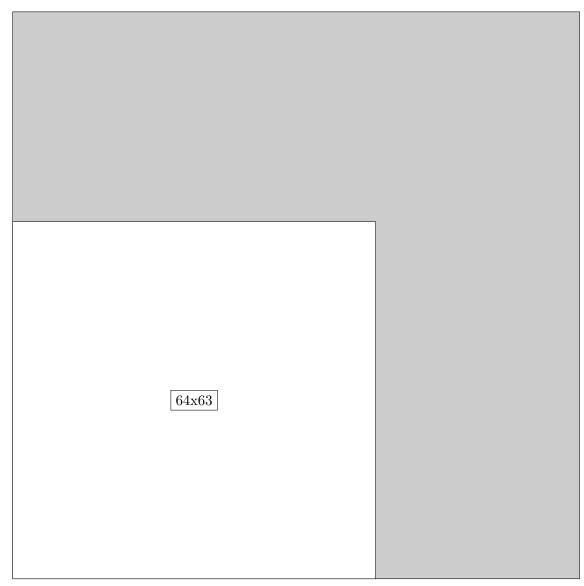
$$\begin{array}{c} w = \!\! 51 \; , \; h = \!\! 82 \; , \; x = \!\! 0 \; , \; y = \!\! 0 \; , \; v = \!\! 4182 \\ w = \!\! 46 \; , \; h = \!\! 42 \; , \; x = \!\! 51 \; , \; y = \!\! 0 \; , \; v = \!\! 1932 \\ \end{array}$$



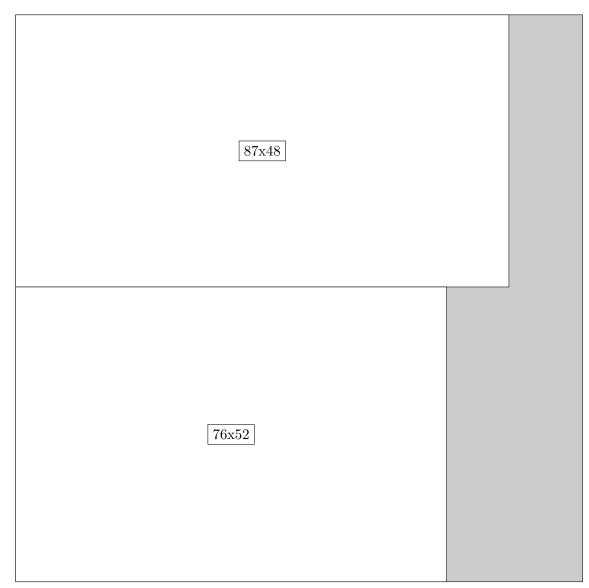
w = 57, h = 71, x = 0, y = 0, v = 4047



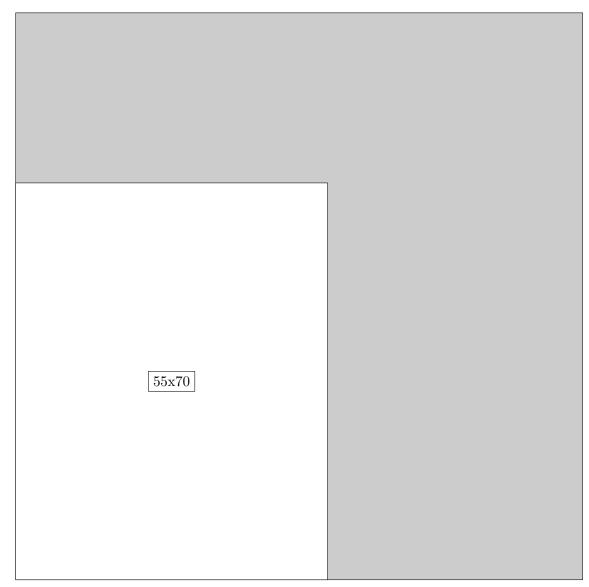
w = 72, h = 56, x = 0, y = 0, v = 4032



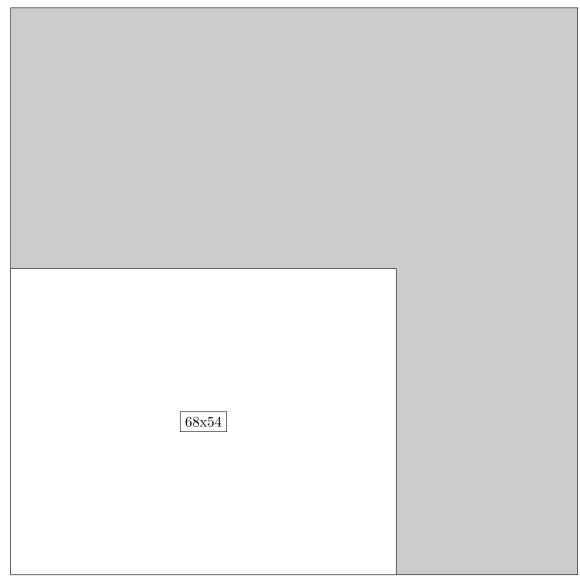
w = 64, h = 63, x = 0, y = 0, v = 4032



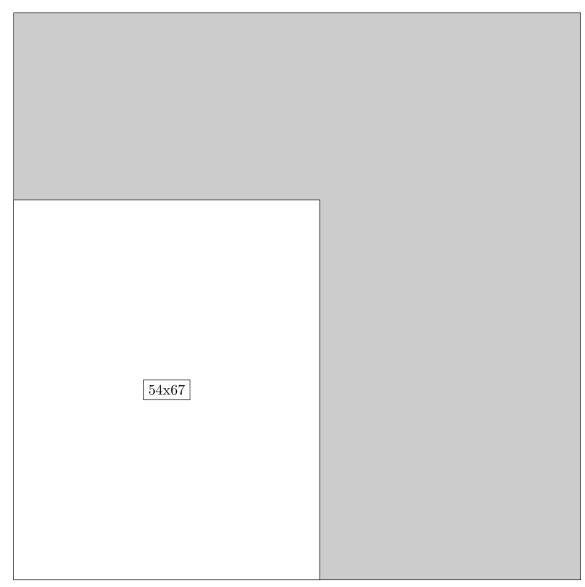
$$\begin{array}{l} w = \!\!87 \ , \ h = \!\!48 \ , \ x = \!\!0 \ , \ y = \!\!52 \ , \ v = \!\!4176 \\ w = \!\!76 \ , \ h = \!\!52 \ , \ x = \!\!0 \ , \ y = \!\!0 \ , \ v = \!\!3952 \end{array}$$



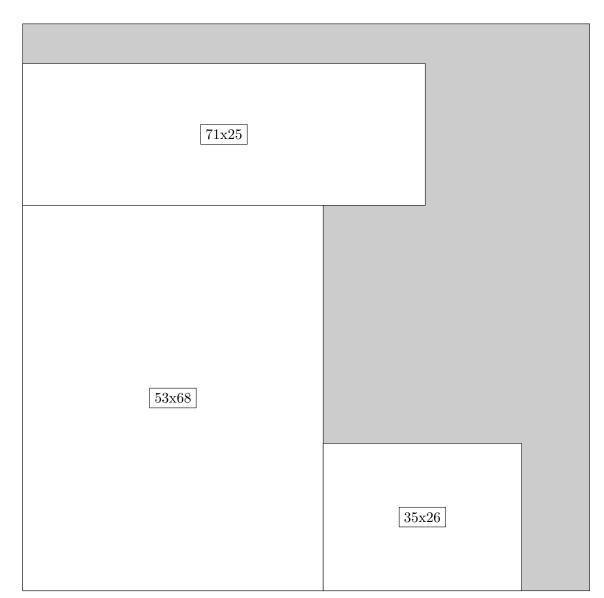
 $\overline{\mathrm{w}}$ =55 , h =70 , x =0 , y =0 , v =3850



w = 68, h = 54, x = 0, y = 0, v = 3672



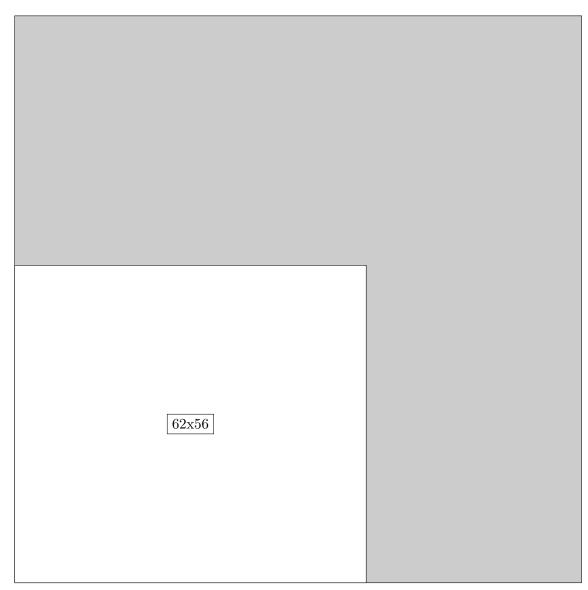
 $\overline{w} = 54$, h = 67, x = 0, y = 0, v = 3618



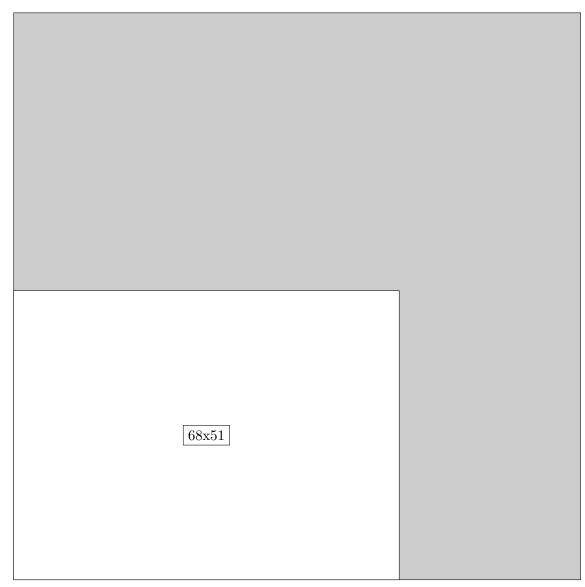
$$w = 53$$
, $h = 68$, $x = 0$, $y = 0$, $v = 3604$

$$w$$
 =71 , h =25 , x =0 , y =68 , v =1775

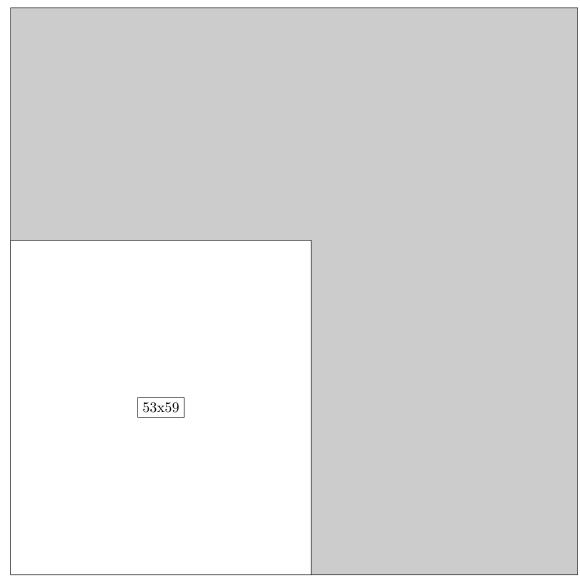
$$\le =35$$
 , h =26 , x =53 , y =0 , v =910



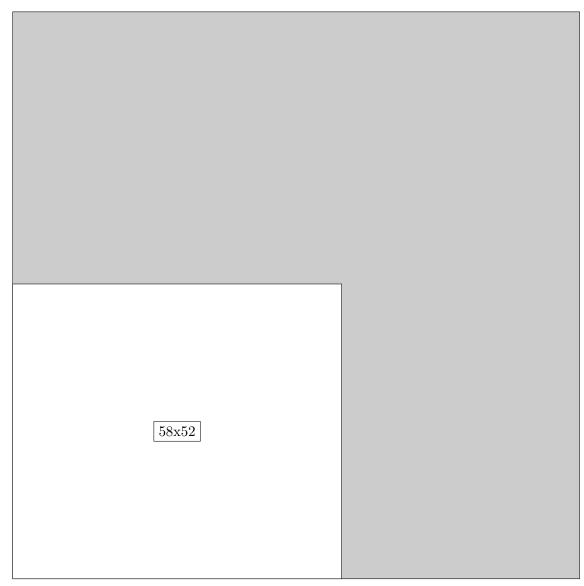
w = 62, h = 56, x = 0, y = 0, v = 3472



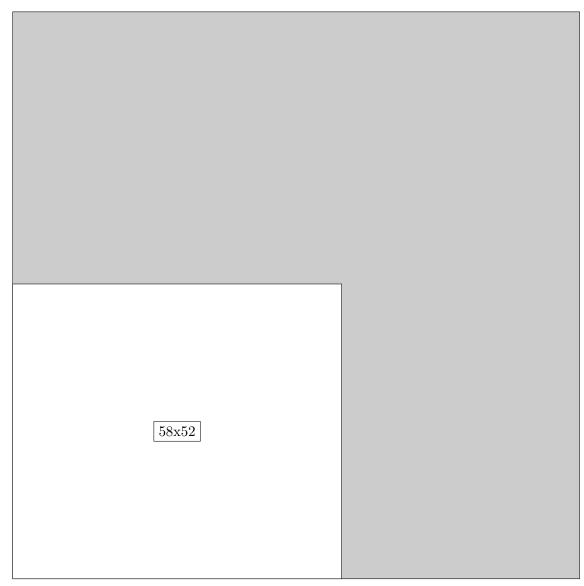
 $\le =68$, h =51 , x =0 , y =0 , v =3468



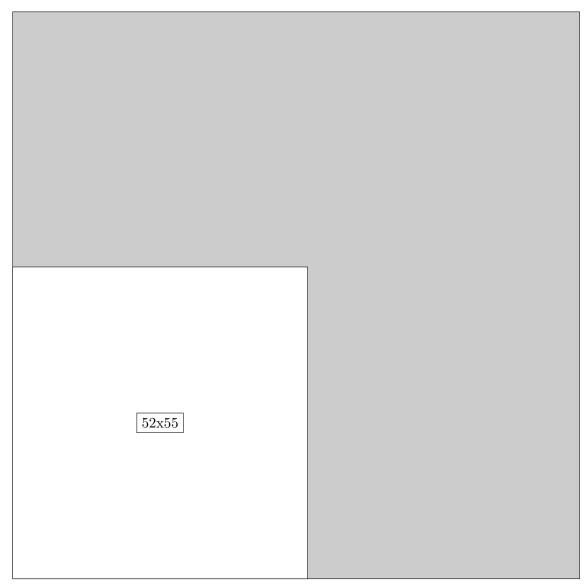
w = 53, h = 59, x = 0, y = 0, v = 3127



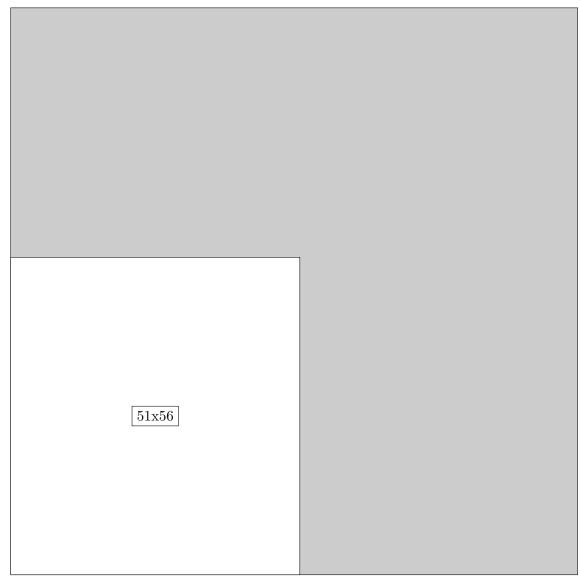
w = 58, h = 52, x = 0, y = 0, v = 3016



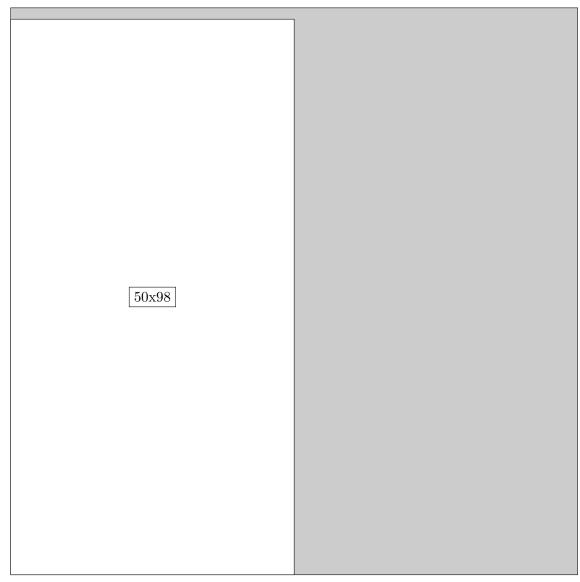
w = 58, h = 52, x = 0, y = 0, v = 3016



 ≤ -52 , h = 55 , x =0 , y = 0 , v = 2860



 $\overline{\mathrm{w}}$ =51 , h =56 , x =0 , y =0 , v =2856



w = 50, h = 98, x = 0, y = 0, v = 4900



$$\begin{array}{c} w = 93 \ , \ h = 42 \ , \ x = 0 \ , \ y = 0 \ , \ v = 3906 \\ w = 72 \ , \ h = 50 \ , \ x = 0 \ , \ y = 42 \ , \ v = 3600 \\ \end{array}$$