$ClassName: \ Class_09.2bp-49$

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>
LB0: <u>72</u>

LBWithCut: $\underline{72}$ NodeCut: $\underline{0}$

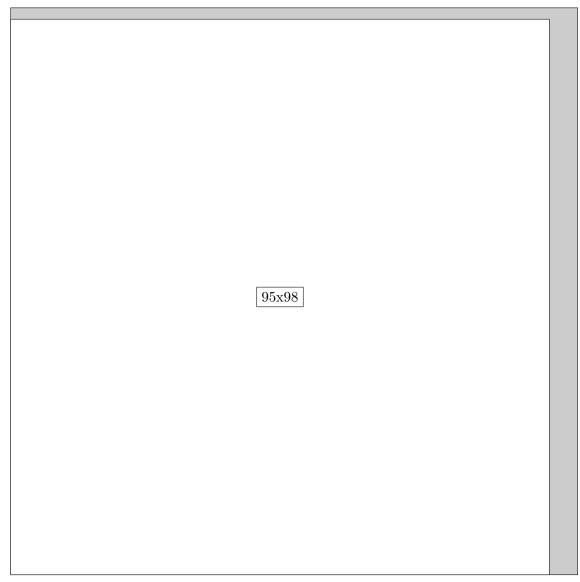
LB: **72**

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

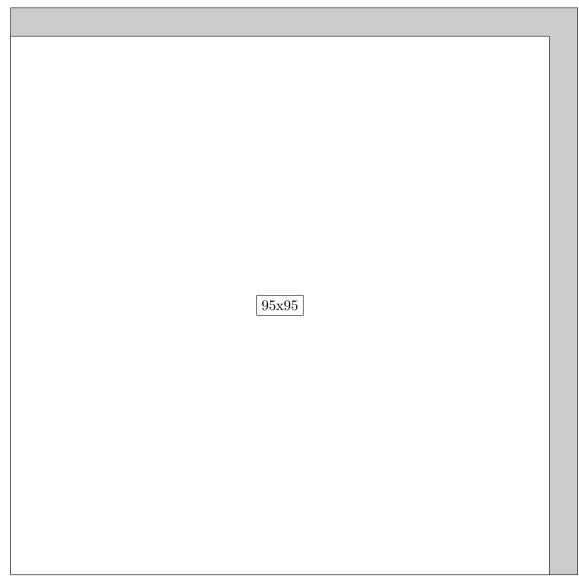
GenNodeCnt: $\underline{\mathbf{1}}$ PrimalNode: $\underline{\mathbf{0}}$ ColumnCount: $\underline{\mathbf{72}}$ TotalCutCount: $\underline{\mathbf{0}}$ RootCutCount: $\underline{\mathbf{0}}$ LPSolverCnt: $\underline{\mathbf{1}}$ PricingSolverCnt: $\underline{\mathbf{0}}$ BranchAndBoundNum: $\underline{\mathbf{1}}$

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

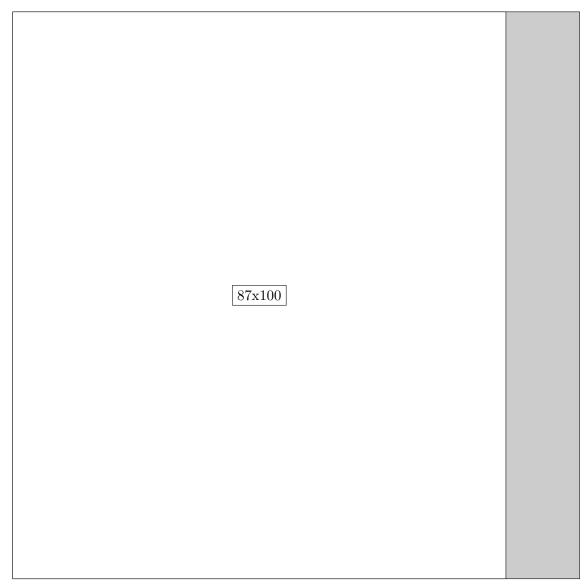
 $\begin{array}{ll} {\rm TimeOnInitSolution:} \ \underline{0.670 \ s} \\ {\rm TimeOnPrimal:} \ \underline{0.000 \ s} \\ {\rm TimeOnPricing:} \ \underline{0.000 \ s} \\ {\rm TimeOnRmp:} \ \underline{0.110 \ s} \\ {\rm TotalTime:} \ \underline{0.842 \ s} \end{array}$



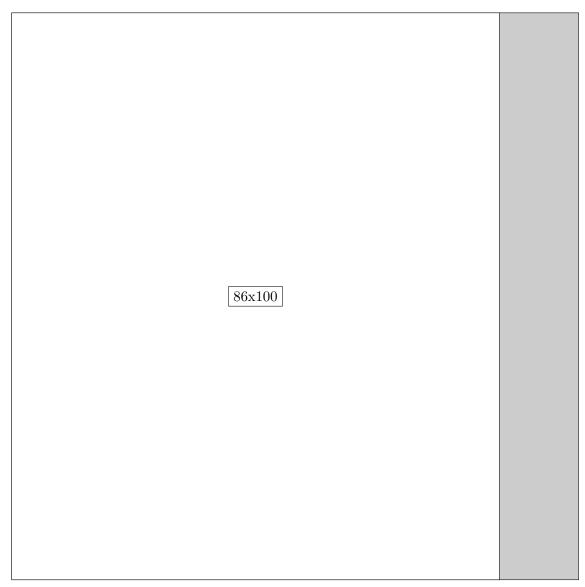
w = 95, h = 98, x = 0, y = 0, v = 9310



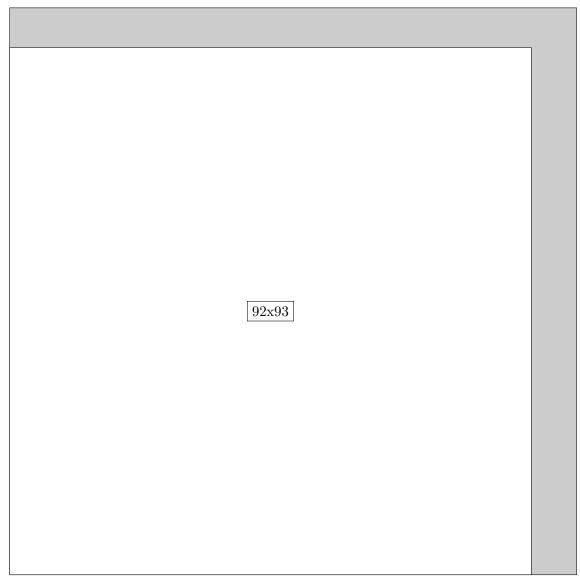
 $\overline{\rm w}$ =95 , h =95 , x =0 , y =0 , v =9025



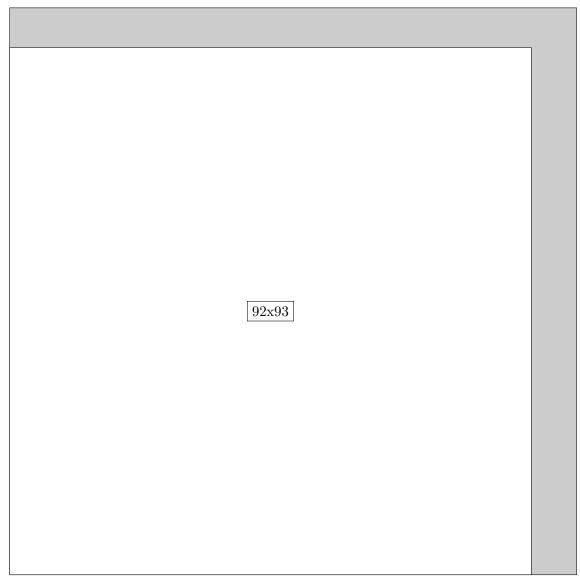
 $\le =87$, h =100 , x =0 , y =0 , v =8700



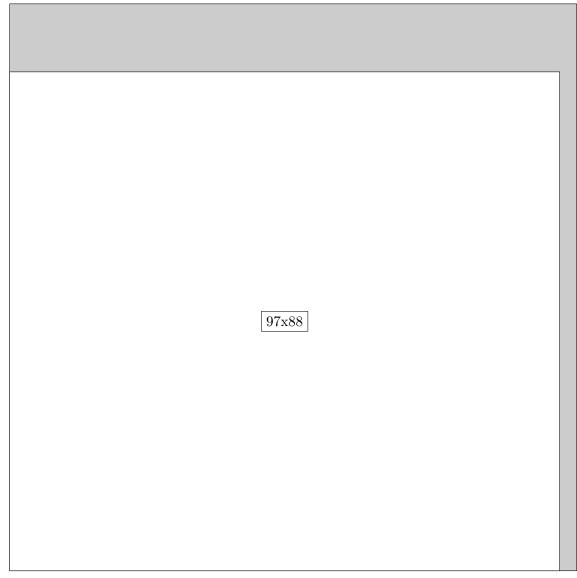
 $\le =86$, h =100 , x =0 , y =0 , v =8600



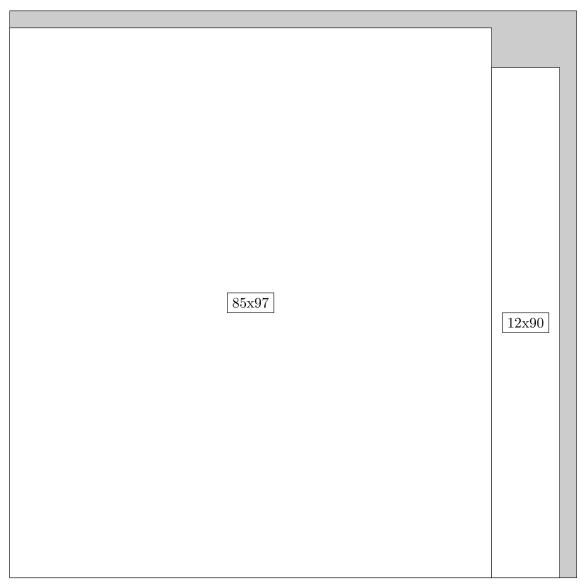
w = 92, h = 93, x = 0, y = 0, v = 8556



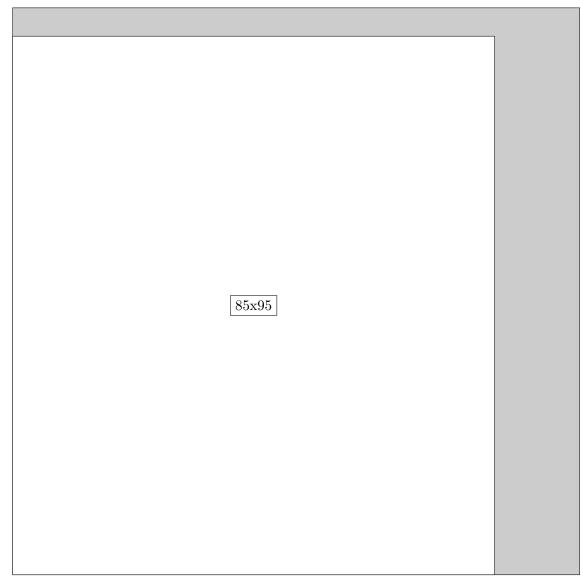
w = 92, h = 93, x = 0, y = 0, v = 8556



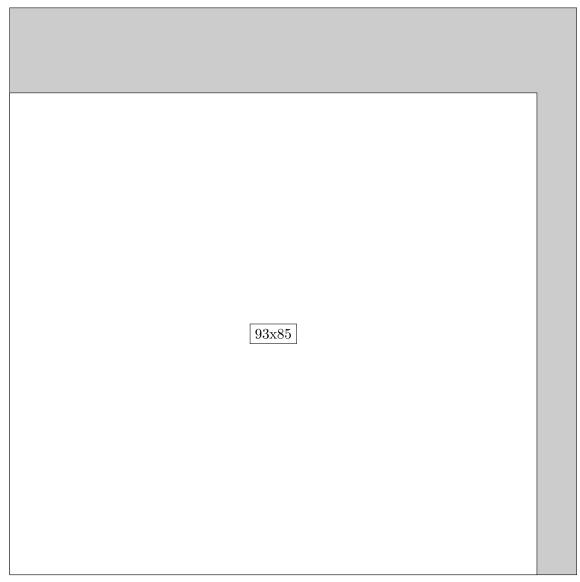
w = 97, h = 88, x = 0, y = 0, v = 8536



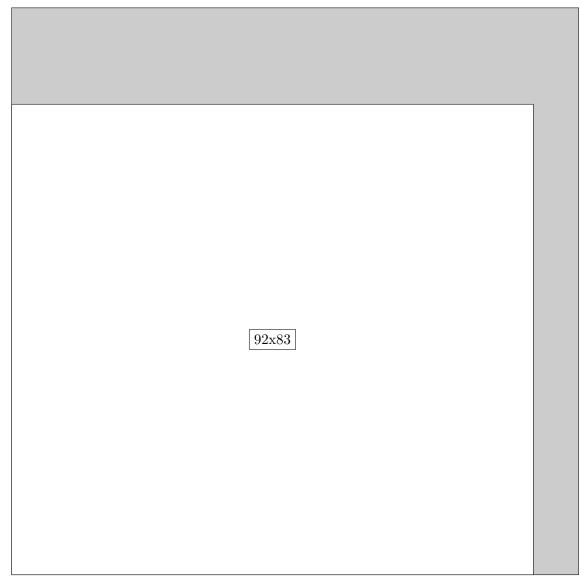
$$\begin{array}{c} w = \! 85 \; , \; h = \! 97 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 8245 \\ w = \! 12 \; , \; h = \! 90 \; , \; x = \! 85 \; , \; y = \! 0 \; , \; v = \! 1080 \\ \end{array}$$



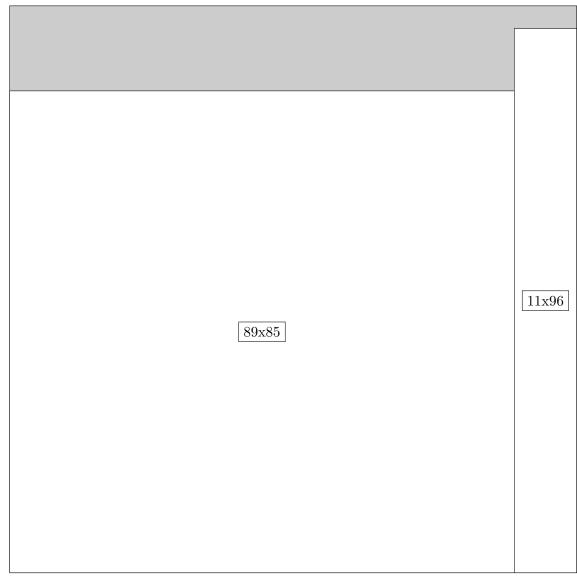
 $\le =85$, h =95 , x =0 , y =0 , v = 8075



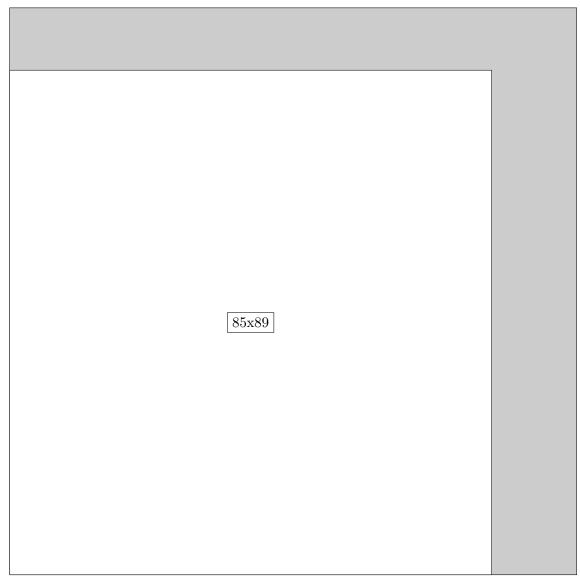
 $\le =93$, h =85 , x =0 , y =0 , v =7905



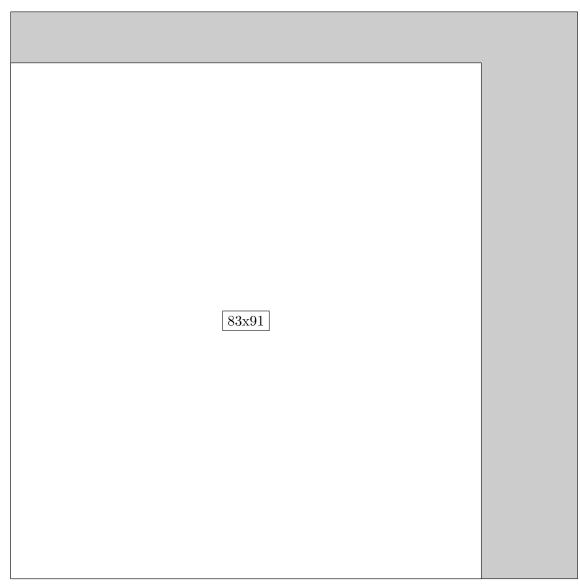
 $\le =92$, h =83 , x =0 , y =0 , v =7636



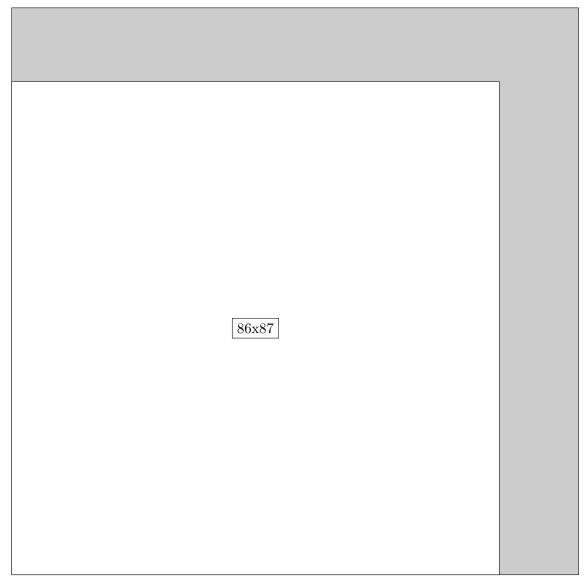
$$\begin{array}{c} w = \! 89 \; , \; h = \! 85 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 7565 \\ w = \! 11 \; , \; h = \! 96 \; , \; x = \! 89 \; , \; y = \! 0 \; , \; v = \! 1056 \\ \end{array}$$



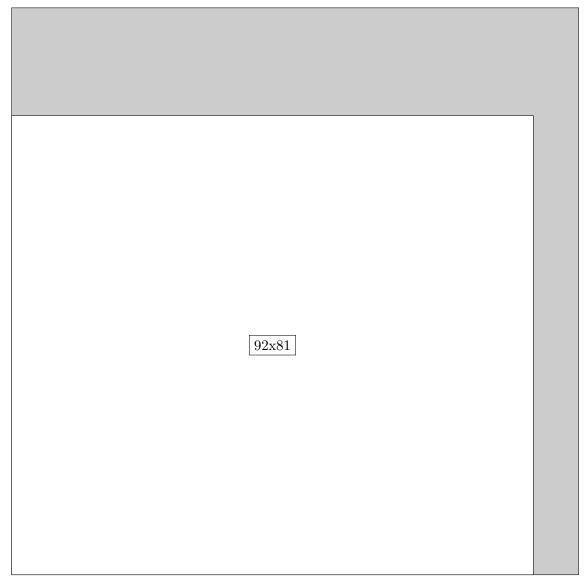
 $\le =85$, h =89 , x =0 , y =0 , v =7565



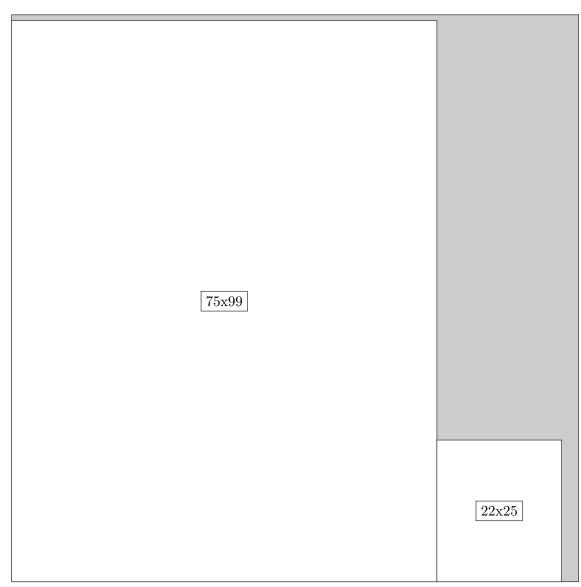
 $\le =83$, h =91 , x =0 , y =0 , v =7553

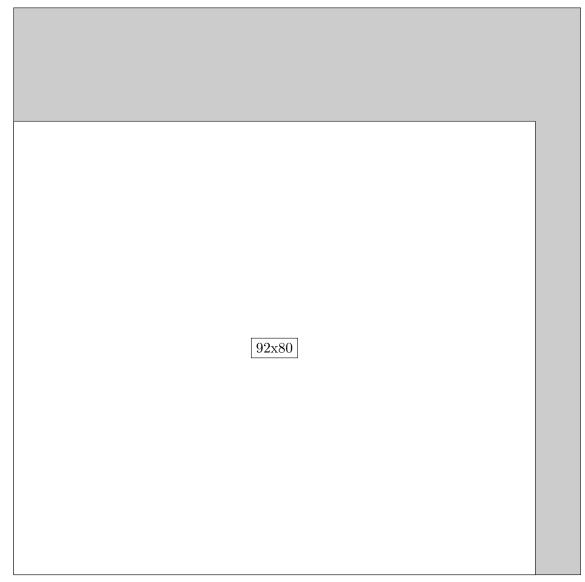


 $\le =86$, h =87 , x =0 , y =0 , v =7482

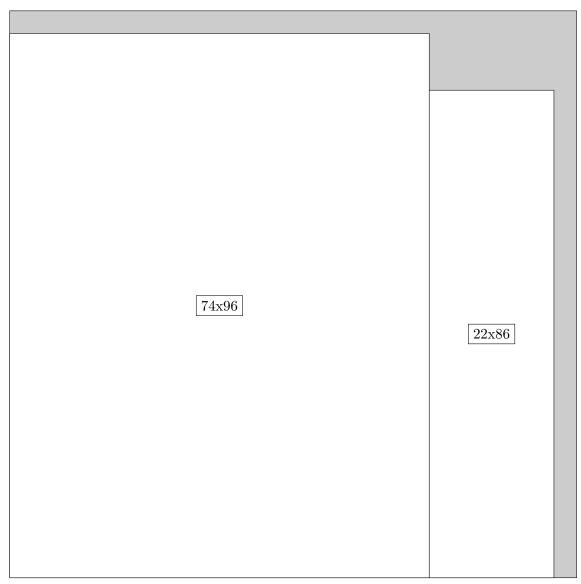


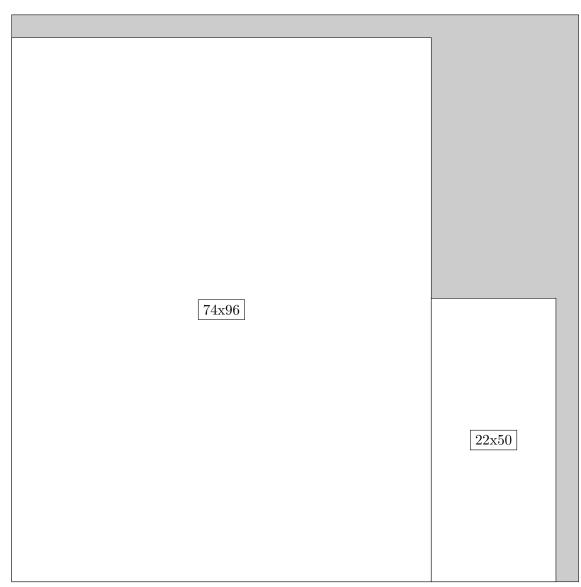
 $\le =92$, h =81 , x =0 , y =0 , v =7452

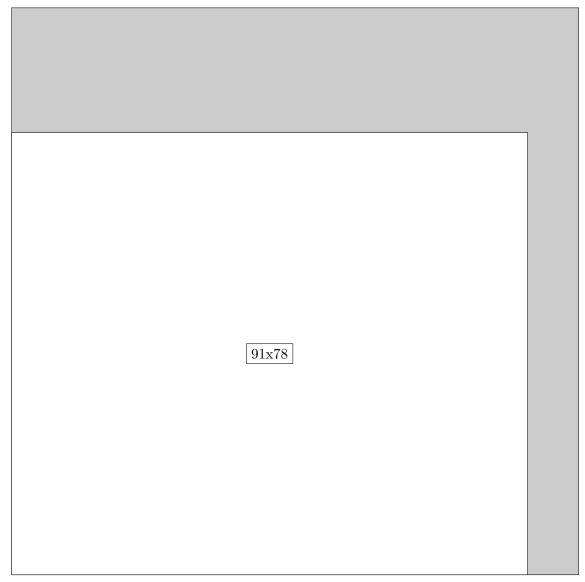




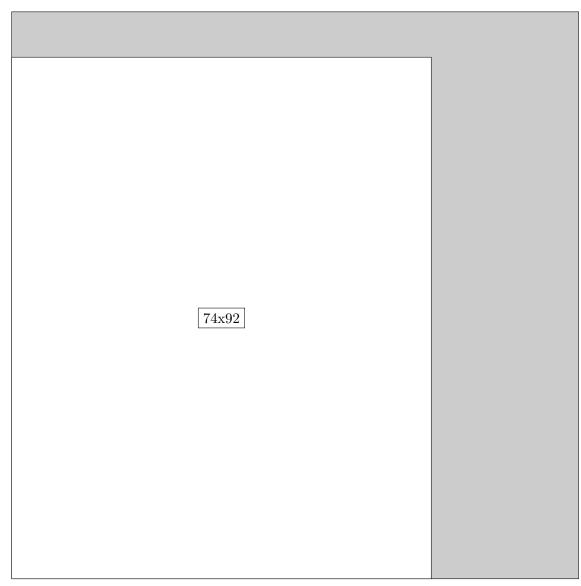
 $\le =92$, h =80 , x =0 , y =0 , v =7360



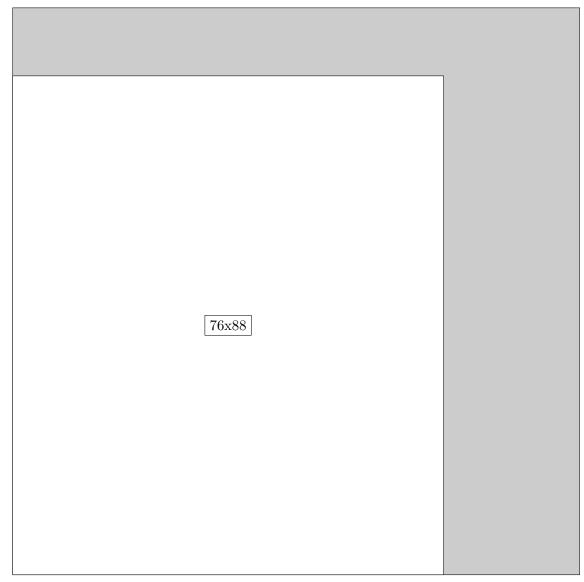




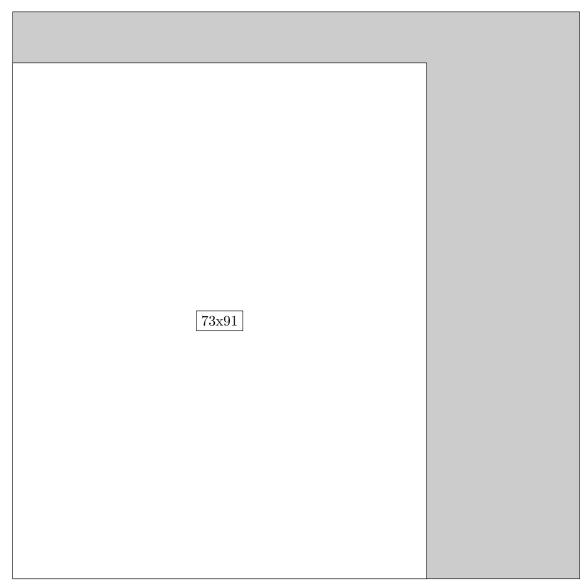
w = 91, h = 78, x = 0, y = 0, v = 7098



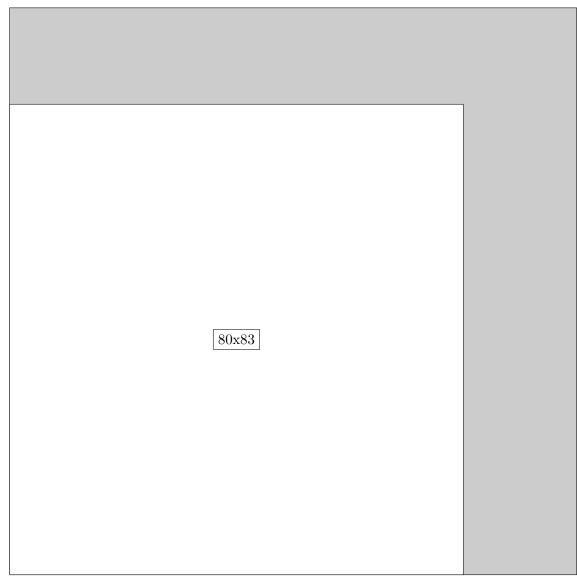
w = 74, h = 92, x = 0, y = 0, v = 6808



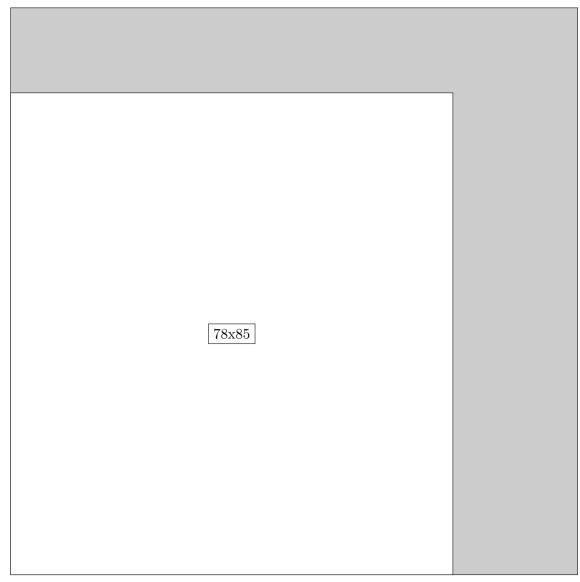
w = 76, h = 88, x = 0, y = 0, v = 6688



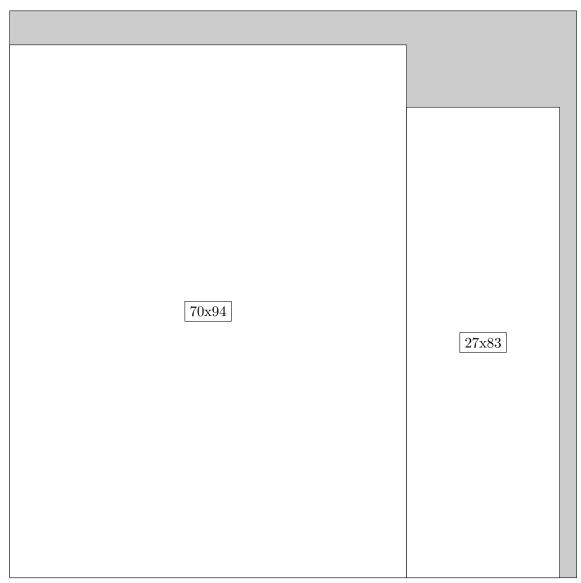
w = 73, h = 91, x = 0, y = 0, v = 6643

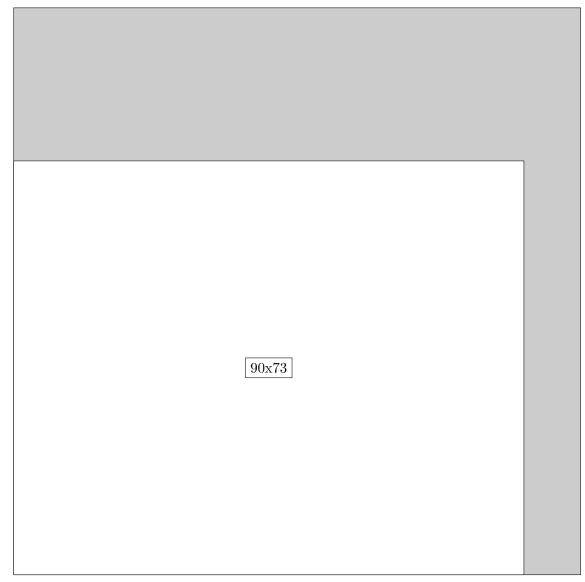


w = 80, h = 83, x = 0, y = 0, v = 6640

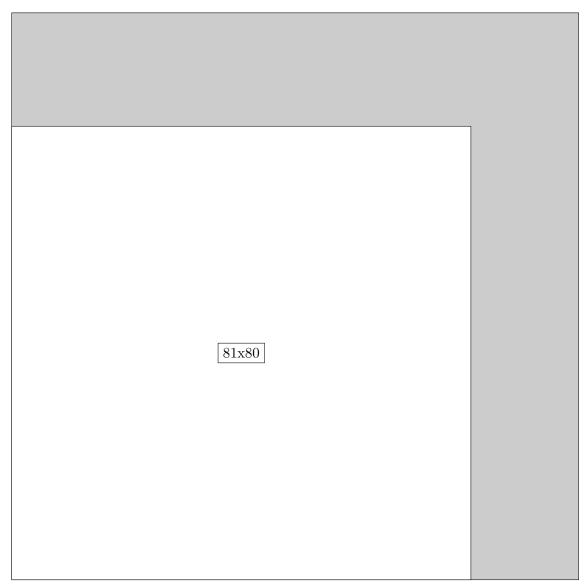


 $\overline{\mathbf{w}} = 78$, $\mathbf{h} = 85$, $\mathbf{x} = 0$, $\mathbf{y} = 0$, $\mathbf{v} = 6630$

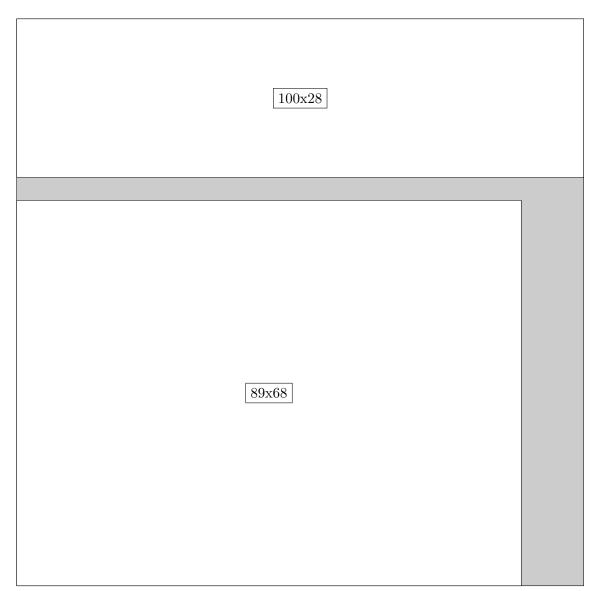




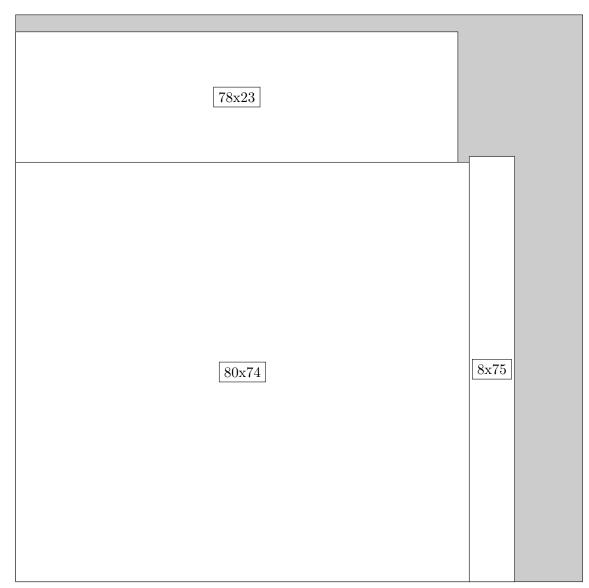
w = 90, h = 73, x = 0, y = 0, v = 6570



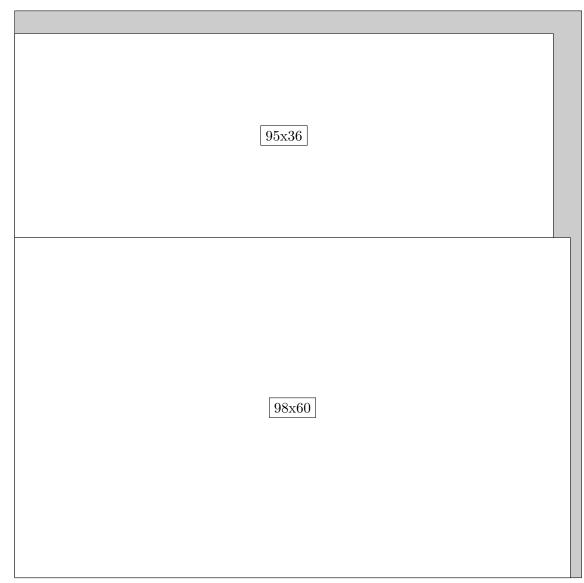
w = 81, h = 80, x = 0, y = 0, v = 6480



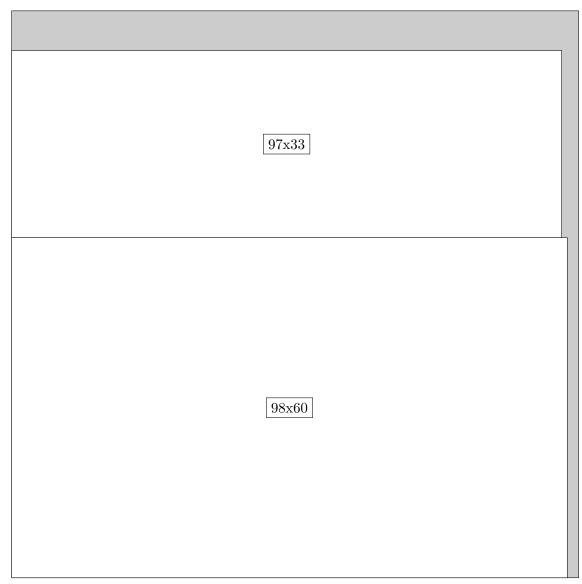
$$\begin{array}{c} w = 89 \; , \; h = 68 \; , \; x = 0 \; , \; y = 0 \; , \; v = 6052 \\ w = 100 \; , \; h = 28 \; , \; x = 0 \; , \; y = 72 \; , \; v = 2800 \\ \end{array}$$

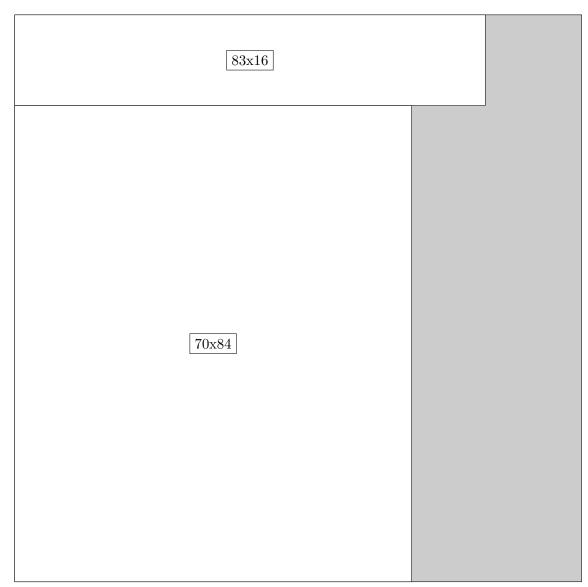


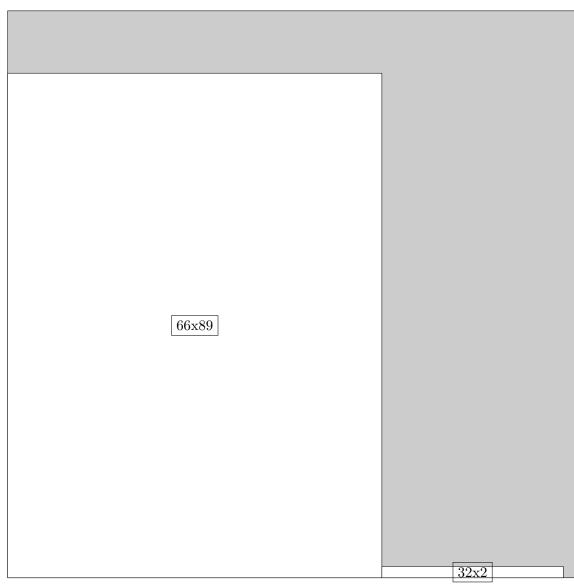
$$\begin{array}{l} w = \! 80 \ , \ h = \! 74 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 5920 \\ w = \! 78 \ , \ h = \! 23 \ , \ x = \! 0 \ , \ y = \! 74 \ , \ v = \! 1794 \\ w = \! 8 \ , \ h = \! 75 \ , \ x = \! 80 \ , \ y = \! 0 \ , \ v = \! 600 \end{array}$$



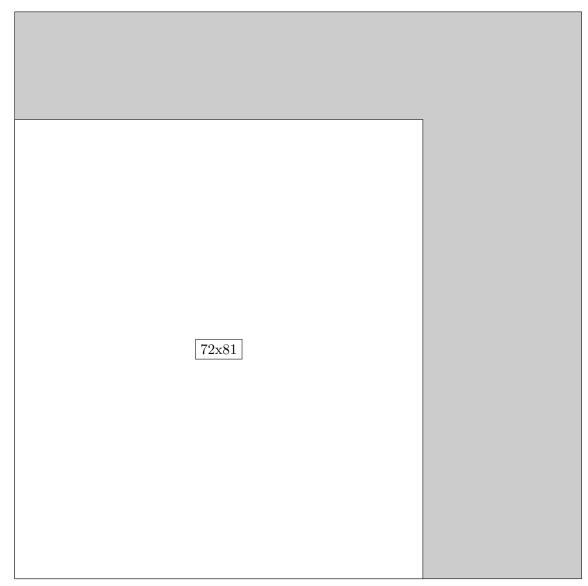
$$\begin{array}{c} w = 98 \; , \; h = 60 \; , \; x = 0 \; , \; y = 0 \; , \; v = 5880 \\ w = 95 \; , \; h = 36 \; , \; x = 0 \; , \; y = 60 \; , \; v = 3420 \\ \end{array}$$



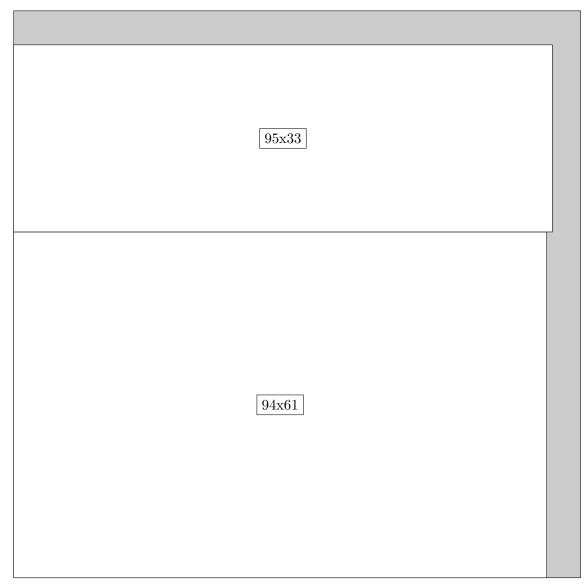




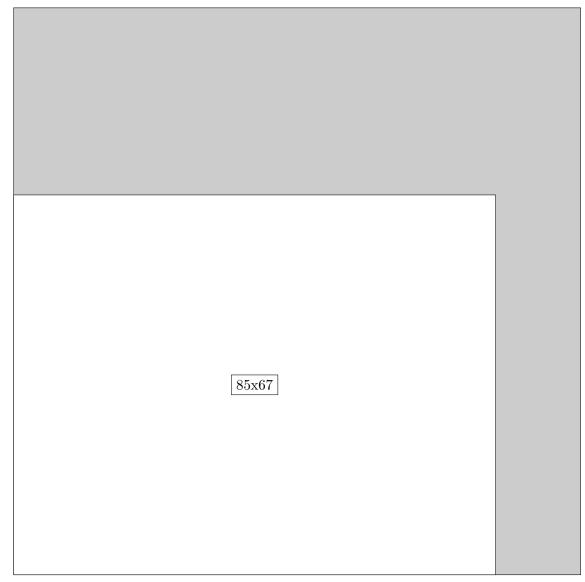
$$\begin{array}{l} w = \!\!\! 66 \ , \, h = \!\!\! 89 \ , \, x = \!\!\! 0 \ , \, y = \!\!\! 0 \ , \, v = \!\!\! 5874 \\ w = \!\!\! 32 \ , \, h = \!\!\! 2 \ , \, x = \!\!\! 66 \ , \, y = \!\!\! 0 \ , \, v = \!\!\! 64 \end{array}$$



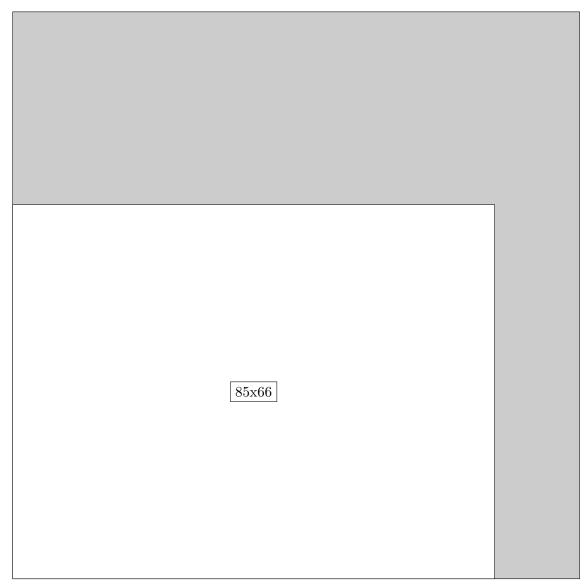
 $\le =72$, h =81 , x =0 , y =0 , v =5832



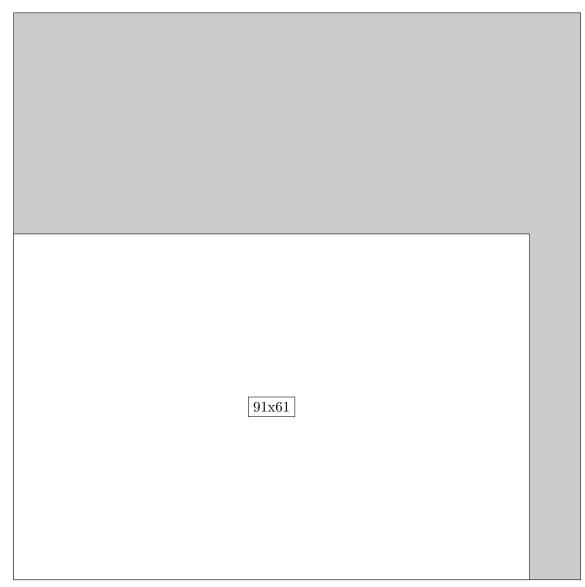
$$\begin{array}{l} w = \! 94 \ , \ h = \! 61 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 5734 \\ w = \! 95 \ , \ h = \! 33 \ , \ x = \! 0 \ , \ y = \! 61 \ , \ v = \! 3135 \end{array}$$



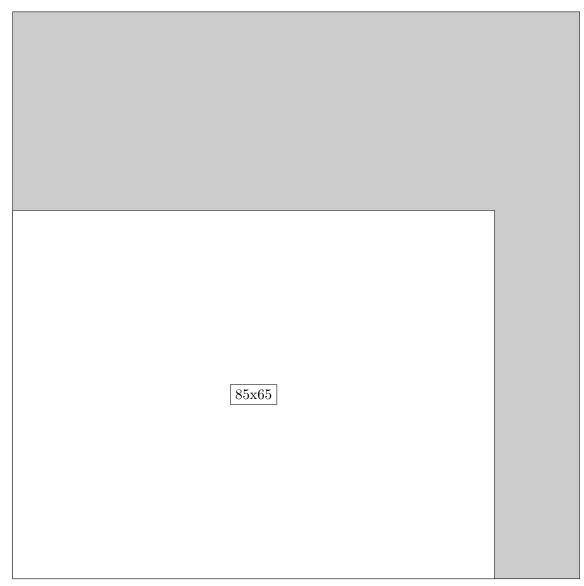
w = 85, h = 67, x = 0, y = 0, v = 5695



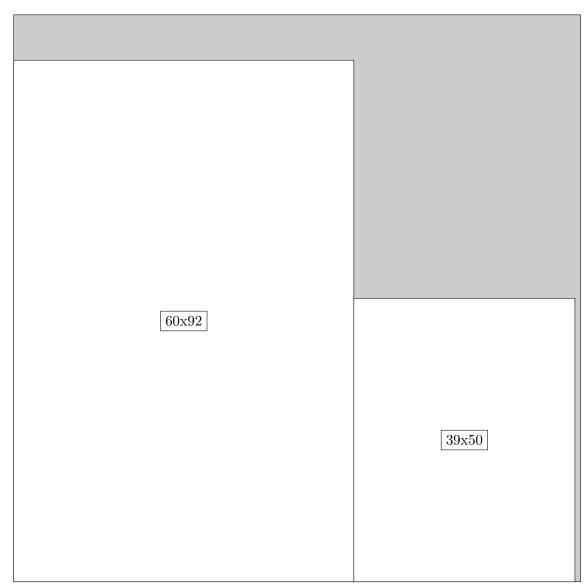
 $\overline{w} = 85$, h = 66, x = 0, y = 0, v = 5610

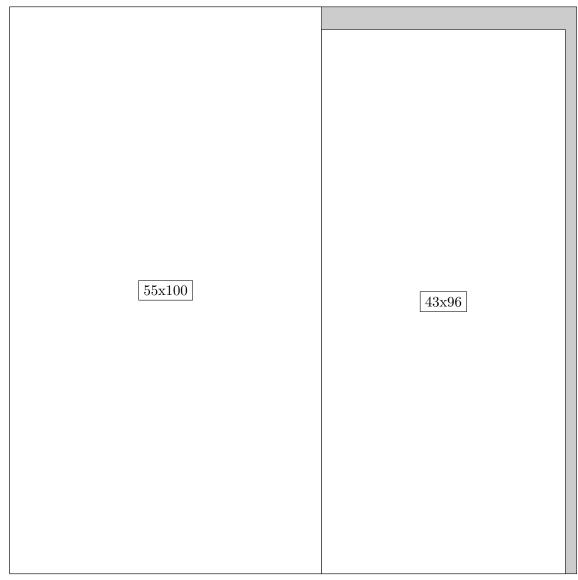


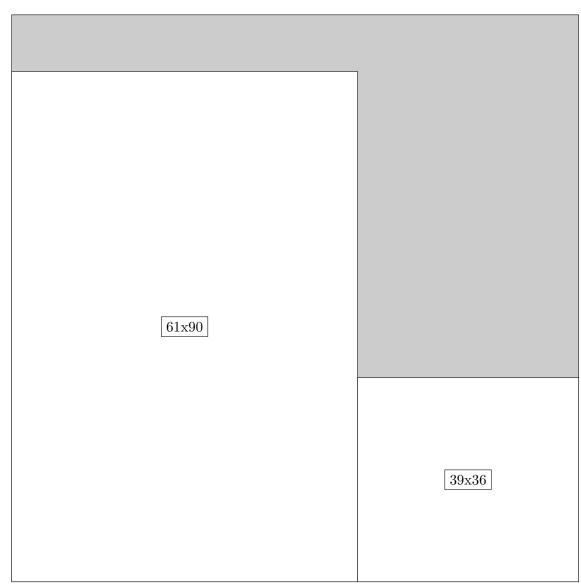
w = 91, h = 61, x = 0, y = 0, v = 5551

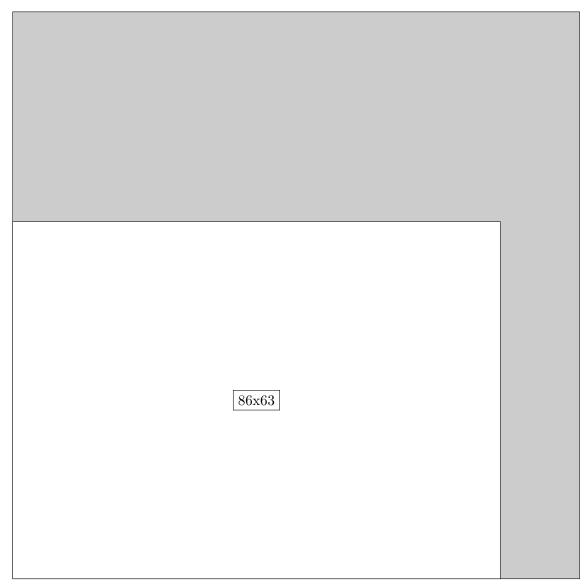


 $\le =85$, h =65 , x =0 , y =0 , v =5525

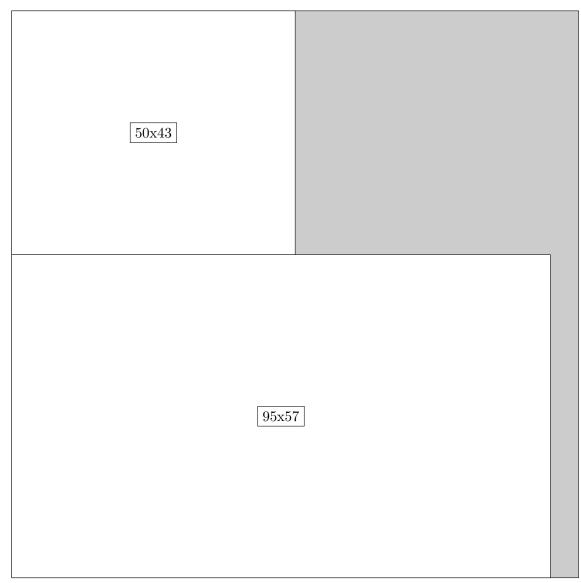




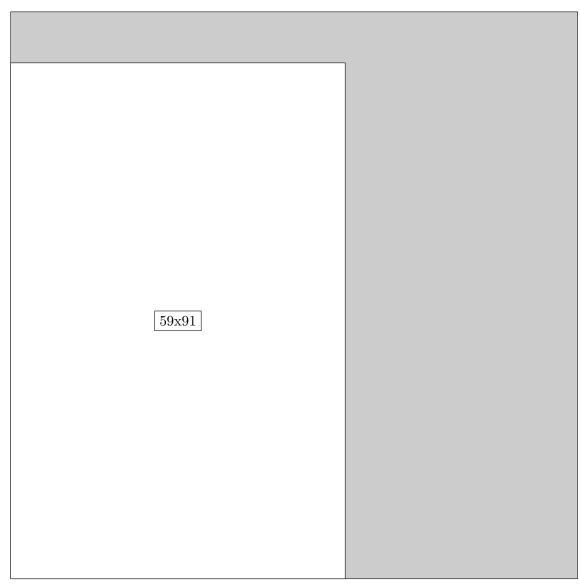




 $\le =86$, h =63 , x =0 , y =0 , v =5418

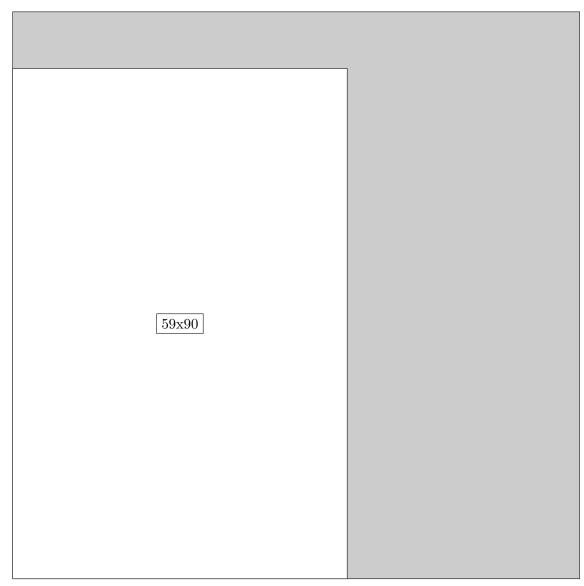


$$\begin{array}{c} w = \! 95 \ , \ h = \! 57 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 5415 \\ w = \! 50 \ , \ h = \! 43 \ , \ x = \! 0 \ , \ y = \! 57 \ , \ v = \! 2150 \\ \end{array}$$

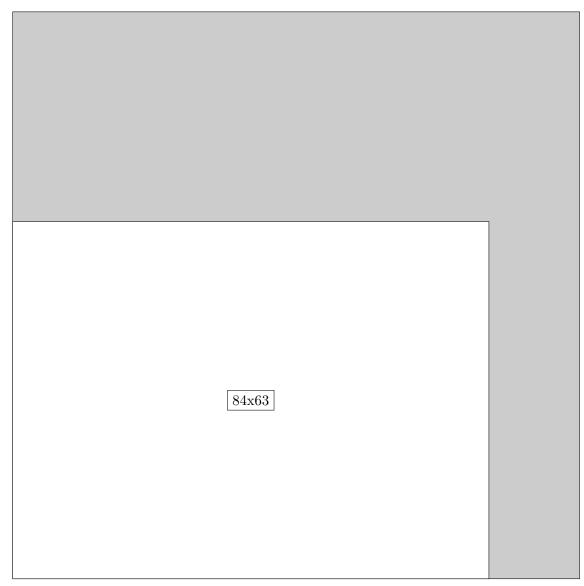


 \mathbf{w} =59 , h =91 , x =0 , y =0 , v =5369

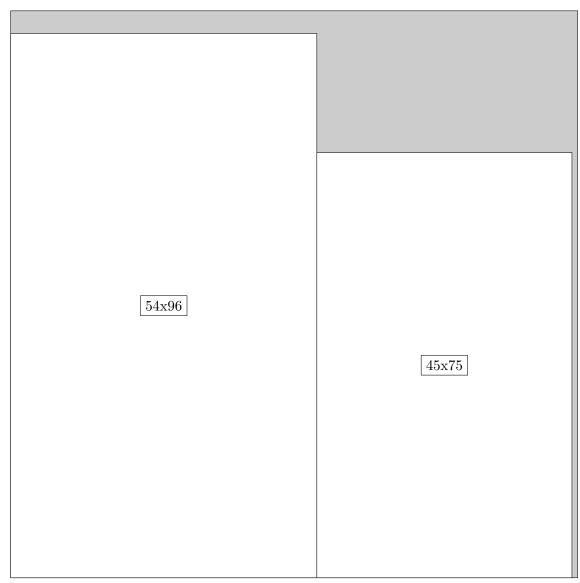




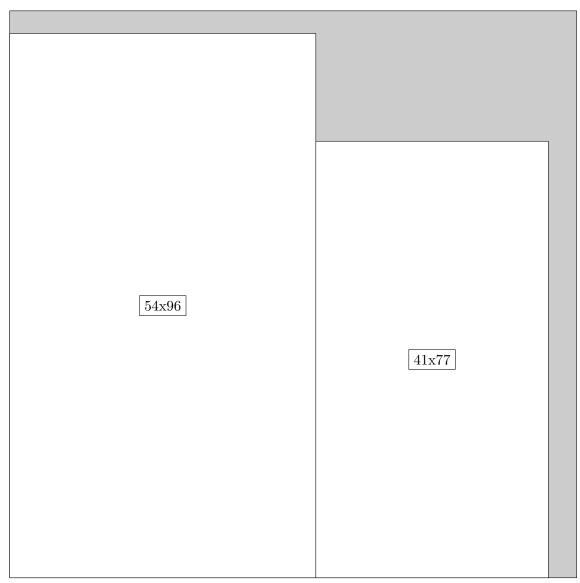
 $\overline{w} = 59$, h = 90, x = 0, y = 0, v = 5310

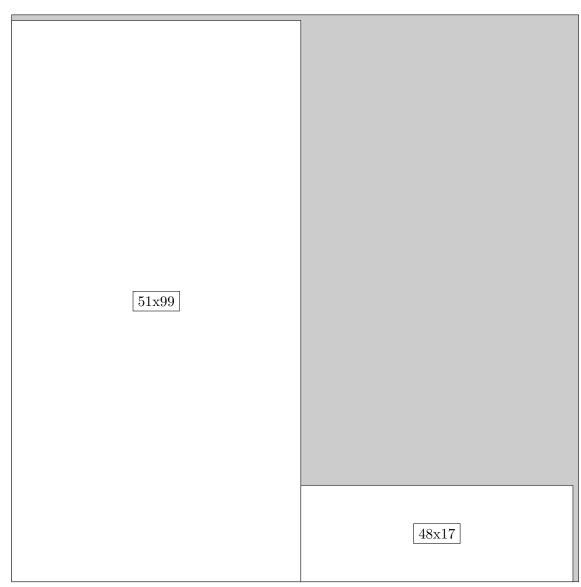


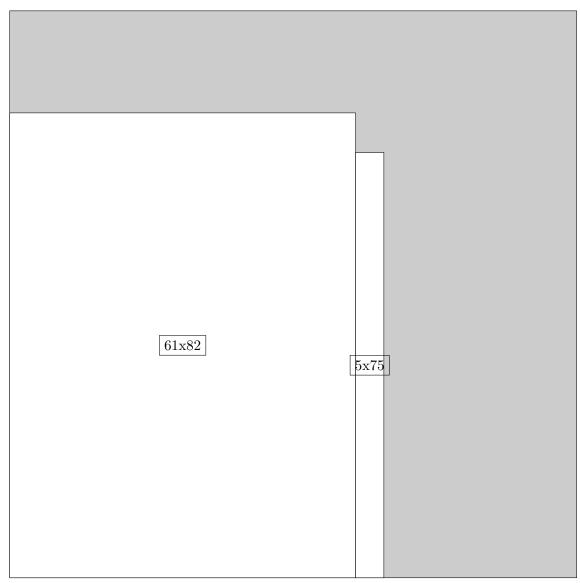
w = 84, h = 63, x = 0, y = 0, v = 5292



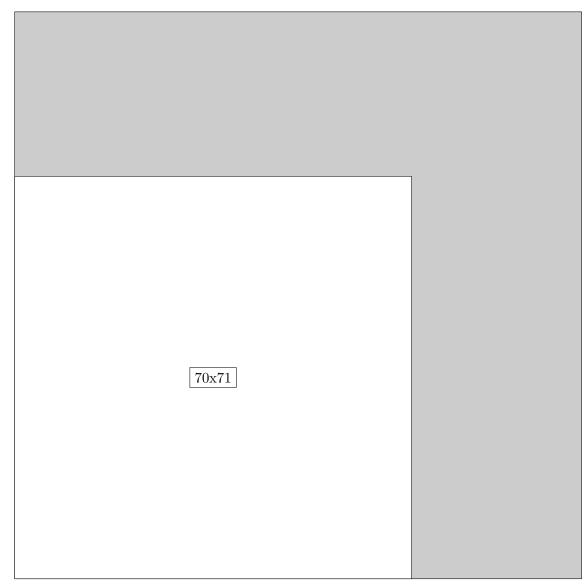
$$\begin{array}{c} w = \!54 \; , \; h = \!96 \; , \; x = \!0 \; , \; y = \!0 \; , \; v = \!5184 \\ w = \!45 \; , \; h = \!75 \; , \; x = \!54 \; , \; y = \!0 \; , \; v = \!3375 \\ \end{array}$$



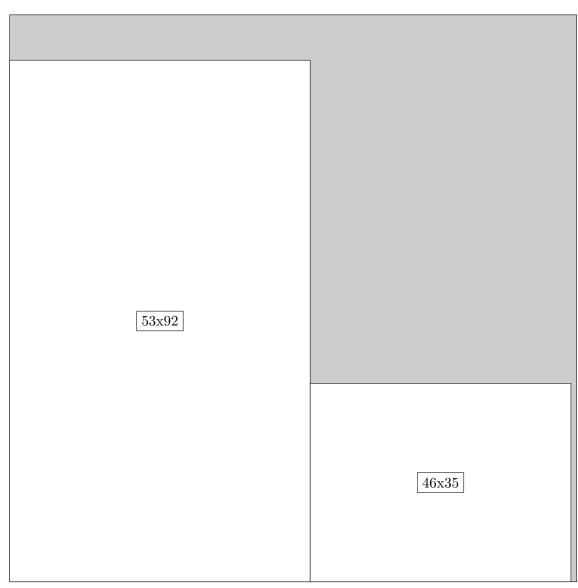


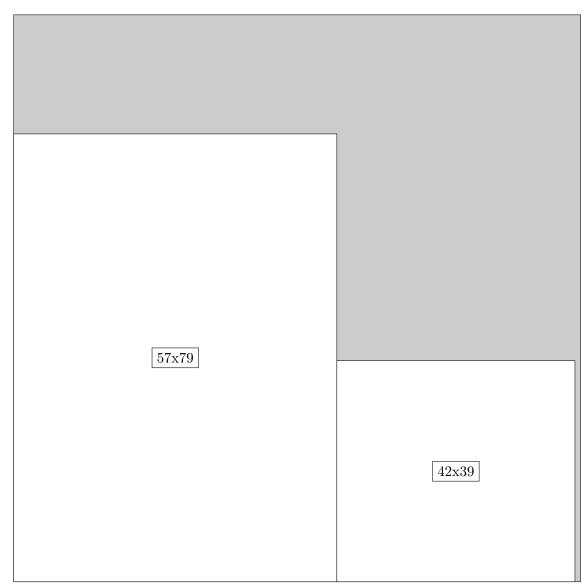


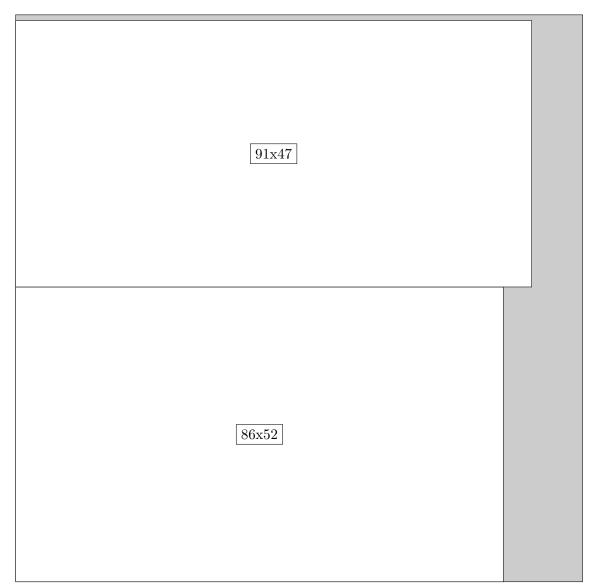
 $\begin{array}{l} w = \! 61 \ , \ h = \! 82 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 5002 \\ w = \! 5 \ , \ h = \! 75 \ , \ x = \! 61 \ , \ y = \! 0 \ , \ v = \! 375 \end{array}$

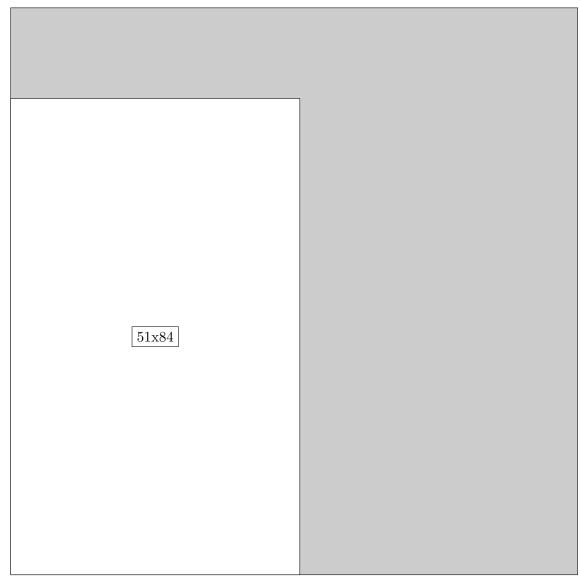


 $\overline{\mathbf{w}} = 70$, $\mathbf{h} = 71$, $\mathbf{x} = 0$, $\mathbf{y} = 0$, $\mathbf{v} = 4970$

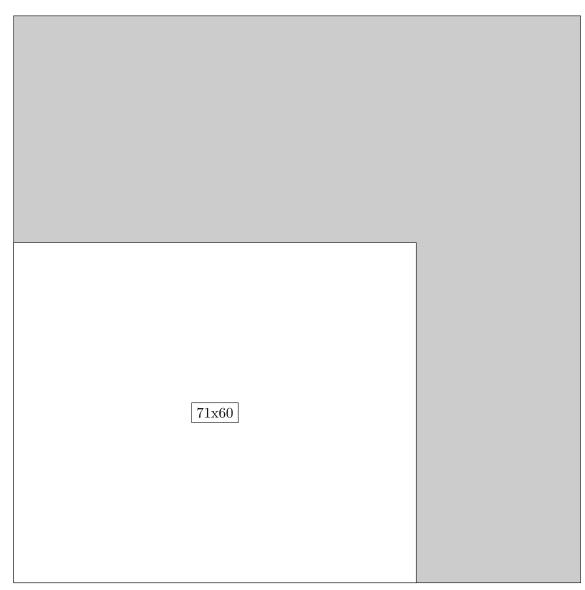




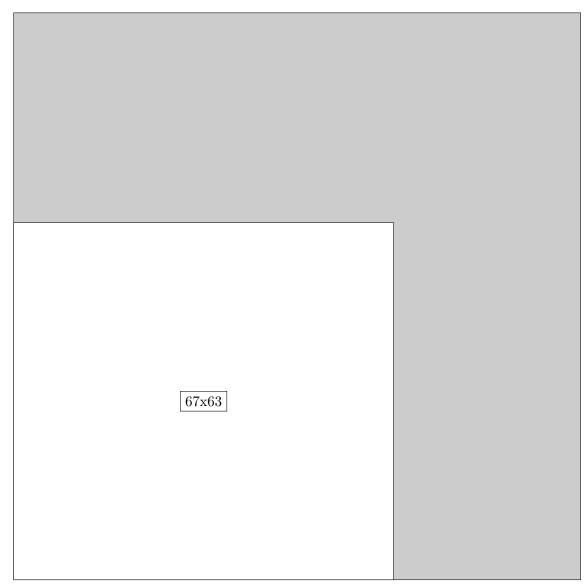




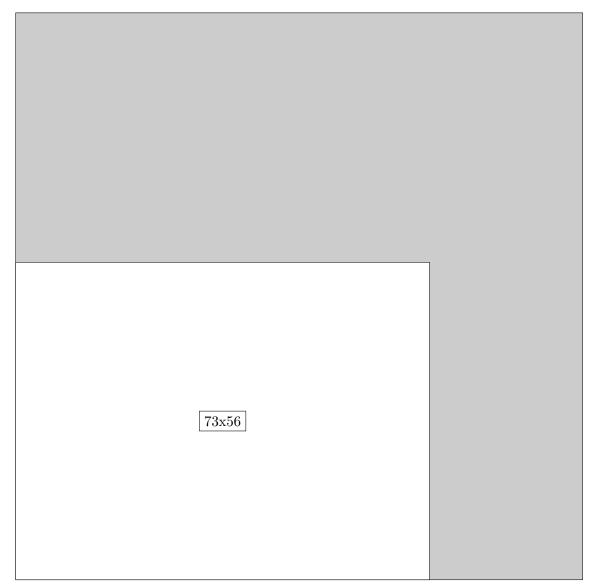
w = 51, h = 84, x = 0, y = 0, v = 4284



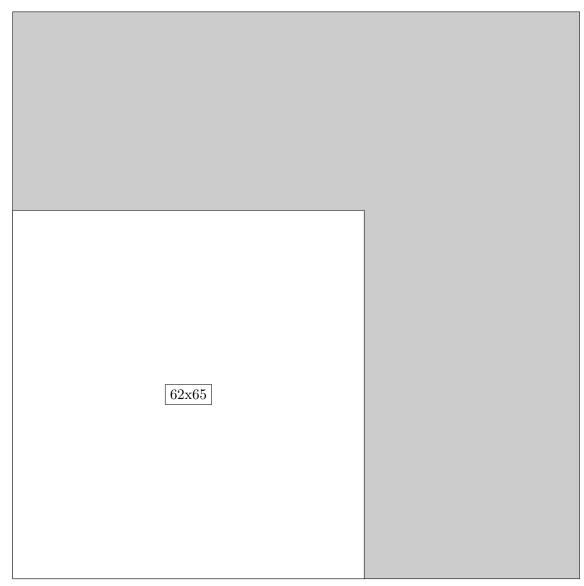
 \mathbf{w} =71 , h =60 , x =0 , y =0 , v =4260



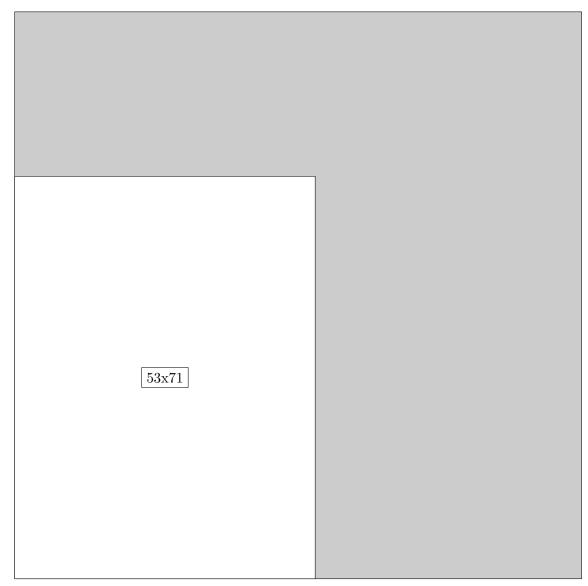
 \mathbf{w} =67 , h =63 , x =0 , y =0 , v =4221



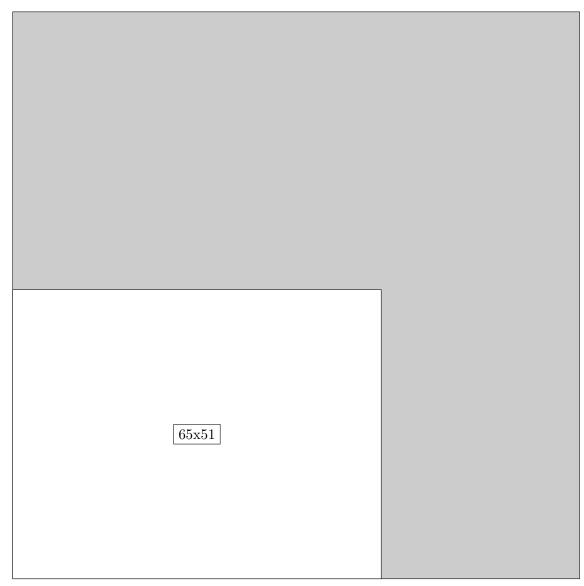
 $\overline{\mathbf{w}} = 73$, $\mathbf{h} = 56$, $\mathbf{x} = 0$, $\mathbf{y} = 0$, $\mathbf{v} = 4088$



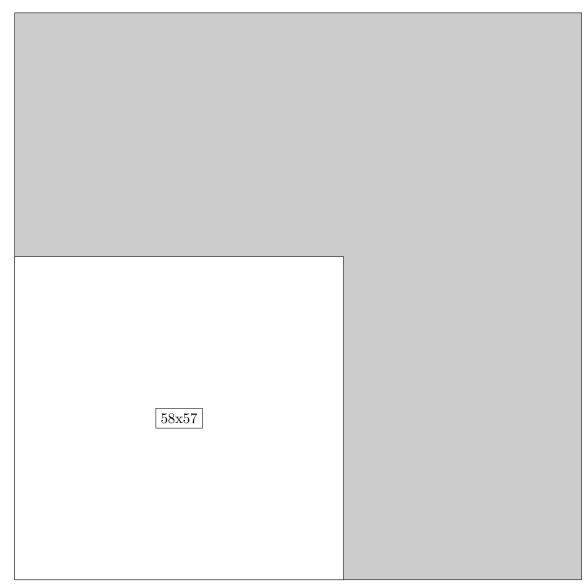
w = 62, h = 65, x = 0, y = 0, v = 4030



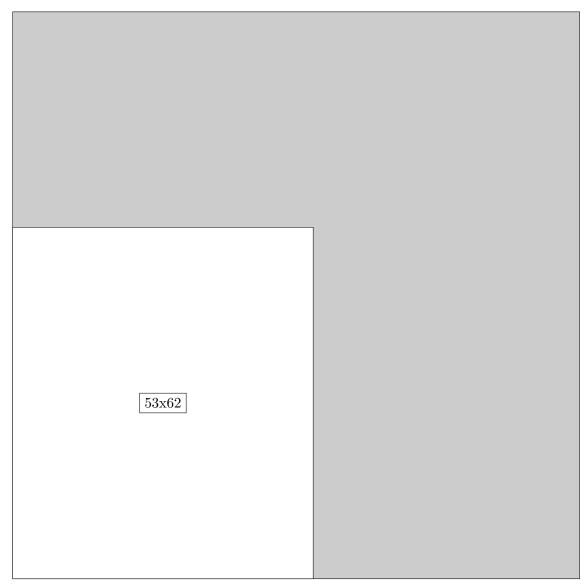
w = 53, h = 71, x = 0, y = 0, v = 3763



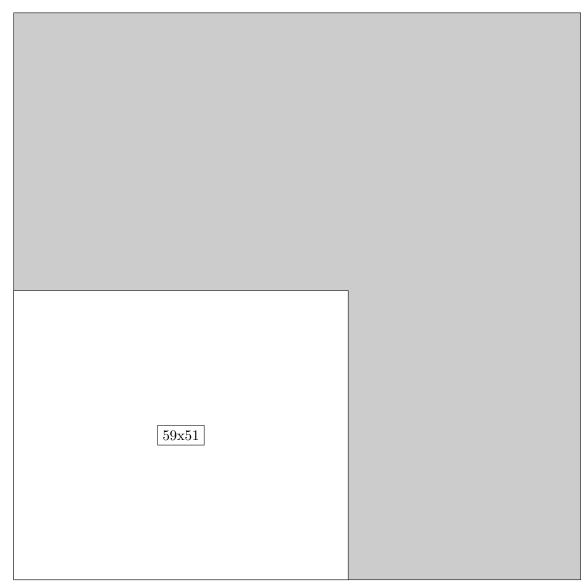
w = 65, h = 51, x = 0, y = 0, v = 3315



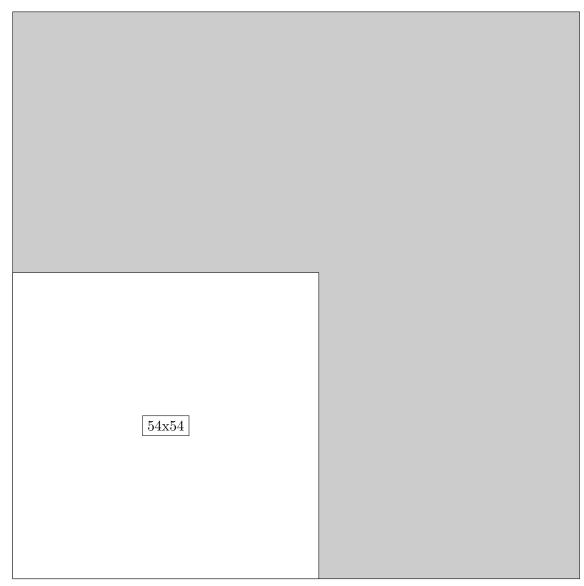
 $\le =58$, h =57 , x =0 , y =0 , v =3306



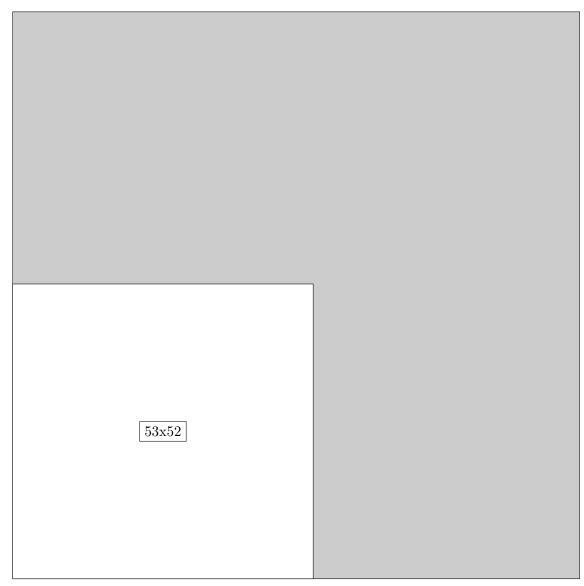
w = 53, h = 62, x = 0, y = 0, v = 3286



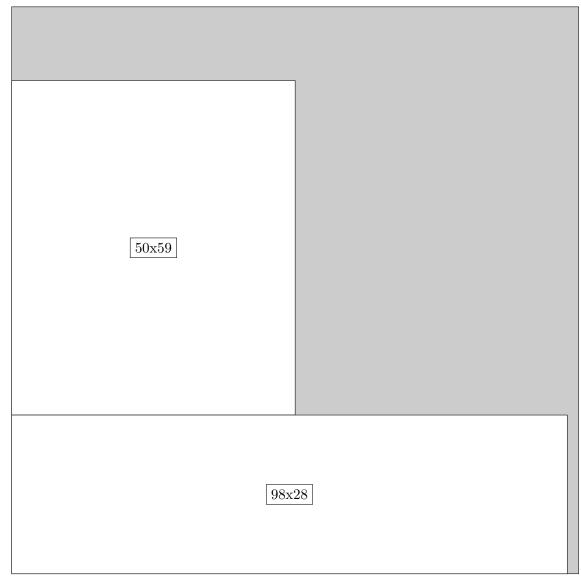
w = 59, h = 51, x = 0, y = 0, v = 3009



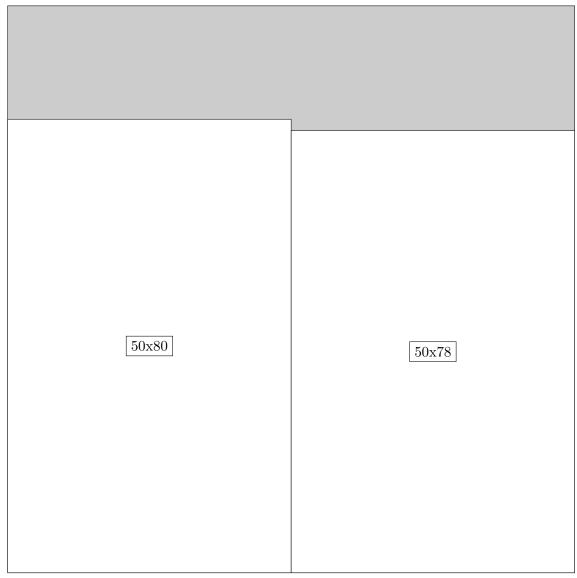
w = 54, h = 54, x = 0, y = 0, v = 2916



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



$$\begin{array}{l} w = \! 50 \ , \ h = \! 59 \ , \ x = \! 0 \ , \ y = \! 28 \ , \ v = \! 2950 \\ w = \! 98 \ , \ h = \! 28 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 2744 \end{array}$$



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