$ClassName: \ Class_09.2bp-47$

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

TypeNum: <u>98</u>
Num: <u>100</u>
OutS: <u>740000</u>
InS: <u>466320</u>
Rate: <u>0.630</u>
UB: <u>74</u>
LB0: <u>73</u>
LB: <u>73</u>

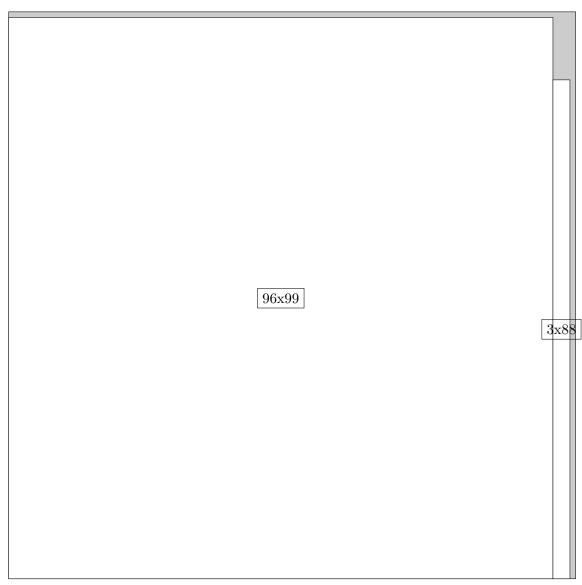
LBWithCut: $\underline{74}$ NodeCut: $\underline{1}$

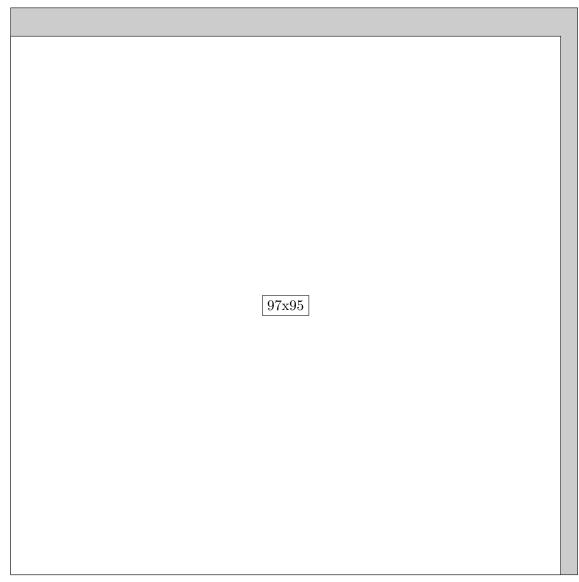
 $\operatorname{ExtendedNodeCnt}$: $\underline{\mathbf{1}}$

GenNodeCnt: $\underline{\mathbf{1}}$ PrimalNode: $\underline{\mathbf{0}}$ ColumnCount: $\underline{\mathbf{80}}$ TotalCutCount: $\underline{\mathbf{2}}$ RootCutCount: $\underline{\mathbf{2}}$ LPSolverCnt: $\underline{\mathbf{8}}$ PricingSolverCnt: $\underline{\mathbf{8}}$ BranchAndBoundNum: $\underline{\mathbf{1}}$

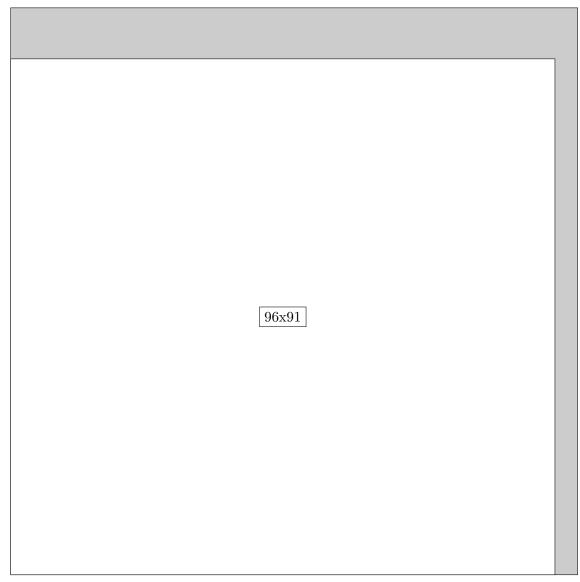
isOpt: **true**

 $\begin{array}{ll} {\rm TimeOnInitSolution:} \ \underline{0.530 \ s} \\ {\rm TimeOnPrimal:} \ \underline{0.000 \ s} \\ {\rm TimeOnPricing:} \ \underline{0.126 \ s} \\ {\rm TimeOnRmp:} \ \underline{0.078 \ s} \\ {\rm TotalTime:} \ \underline{0.842 \ s} \end{array}$

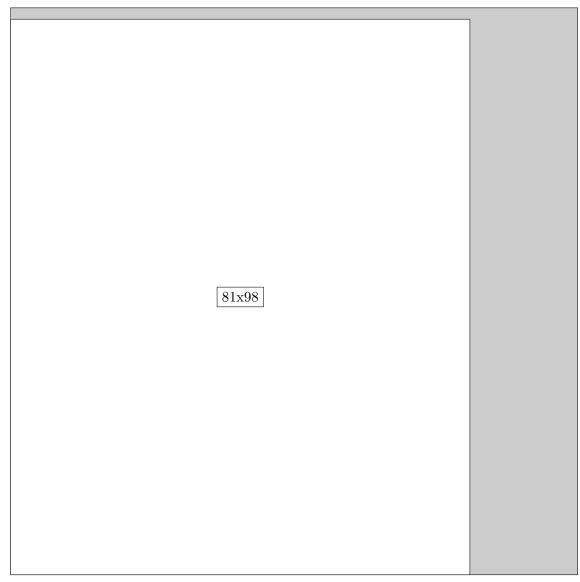




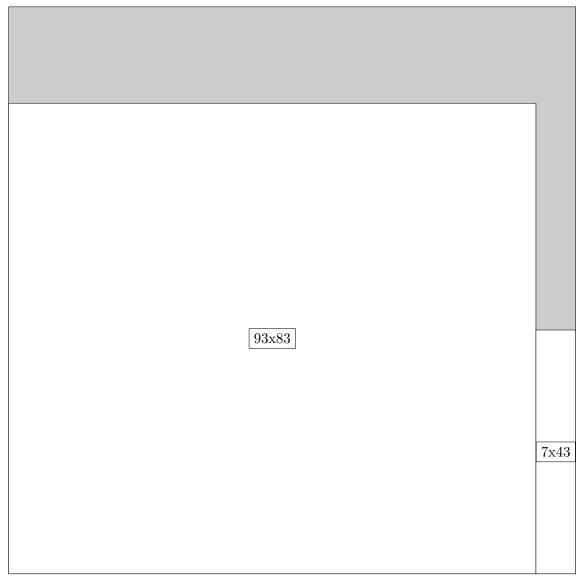
w = 97, h = 95, x = 0, y = 0, v = 9215

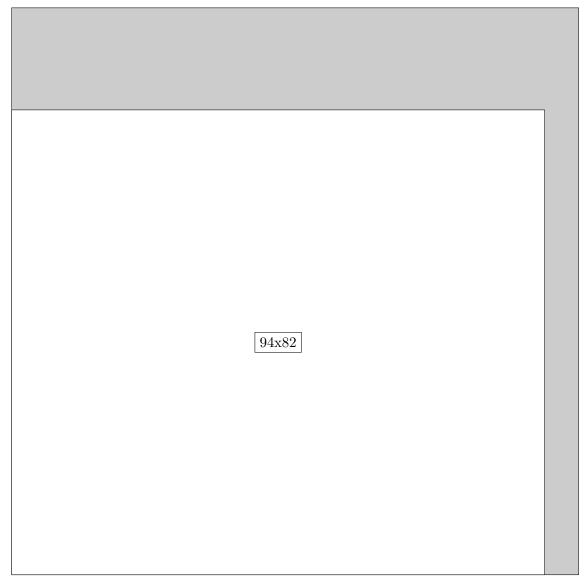


 $\le =96$, h =91 , x =0 , y =0 , v =8736

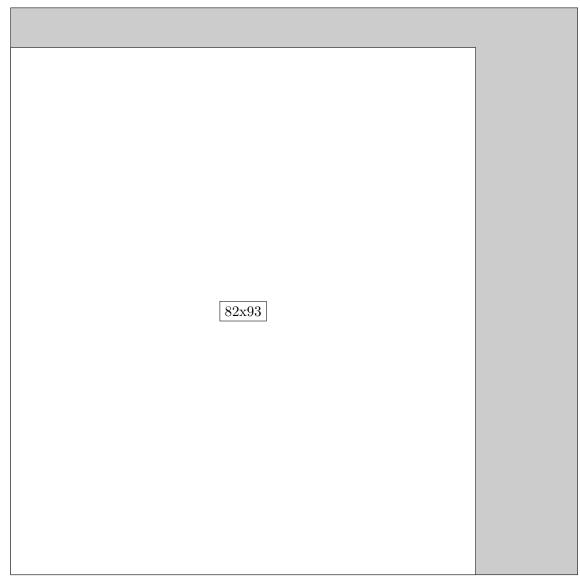


w = 81, h = 98, x = 0, y = 0, v = 7938

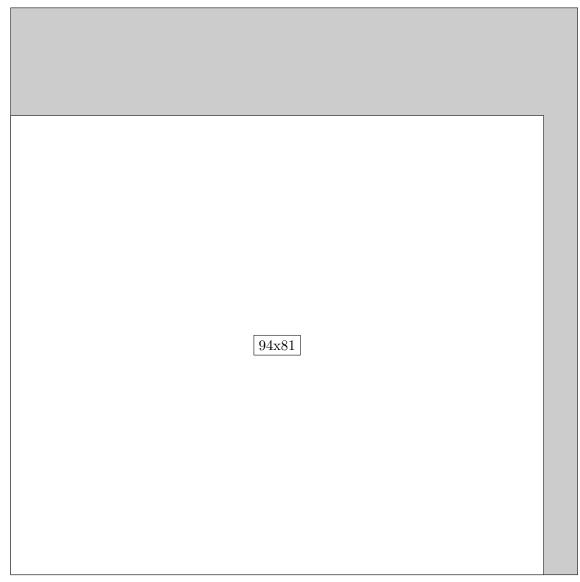




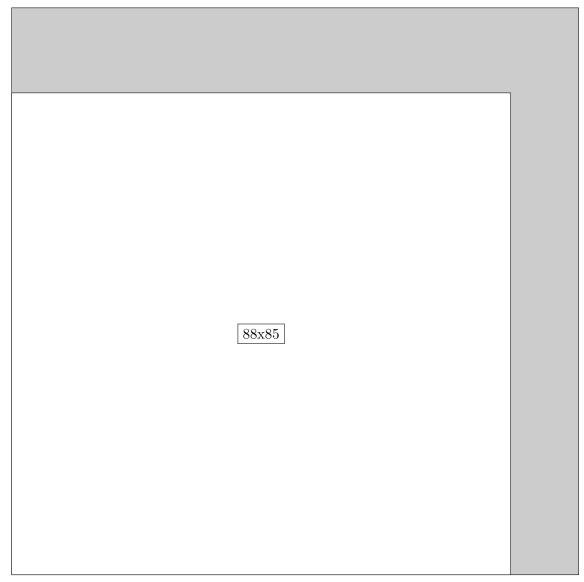
w = 94, h = 82, x = 0, y = 0, v = 7708



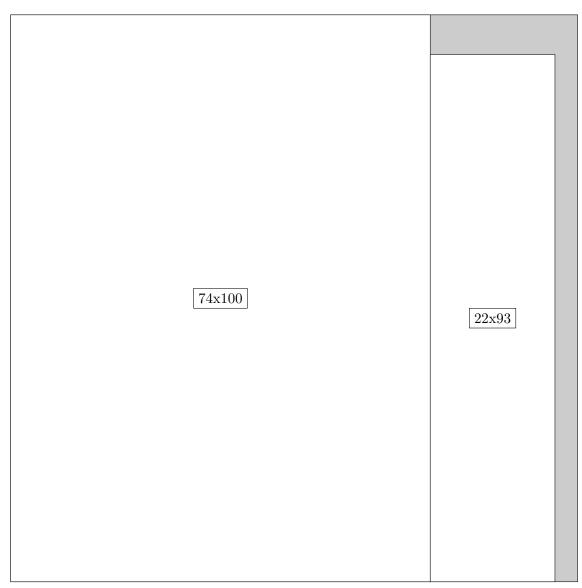
 $\le =82$, h =93 , x =0 , y =0 , v =7626

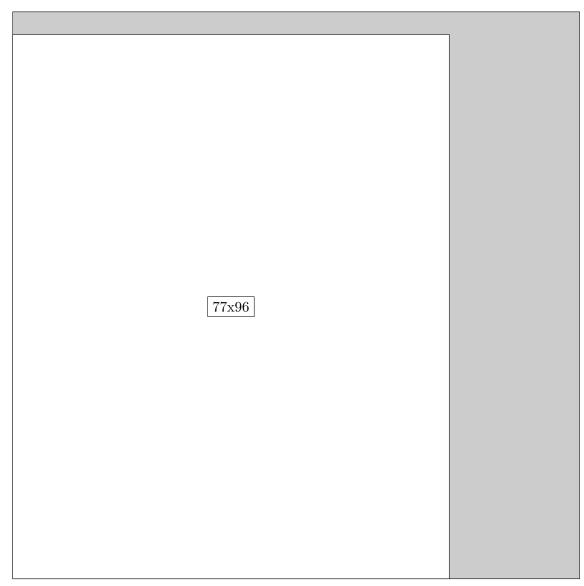


 $\le =94$, h =81 , x =0 , y =0 , v =7614

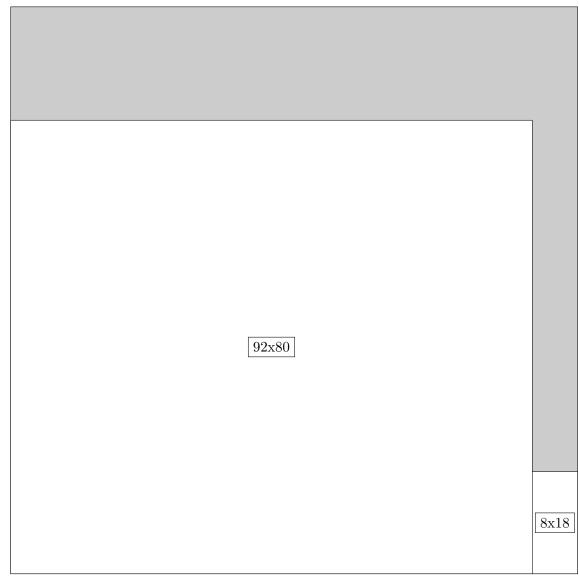


 $\le =88$, h =85 , x =0 , y =0 , v =7480

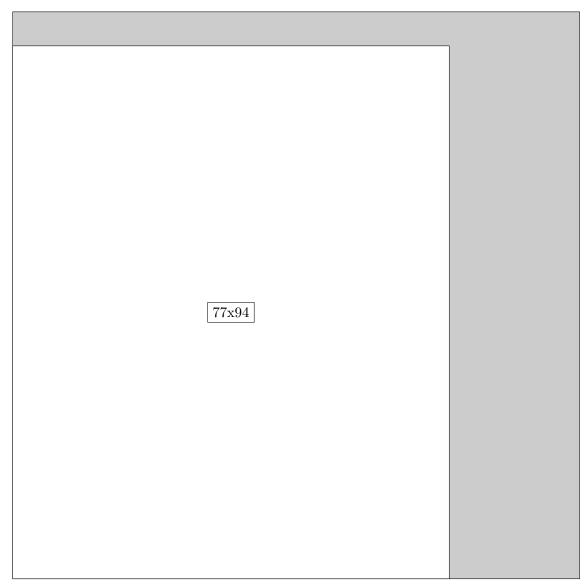




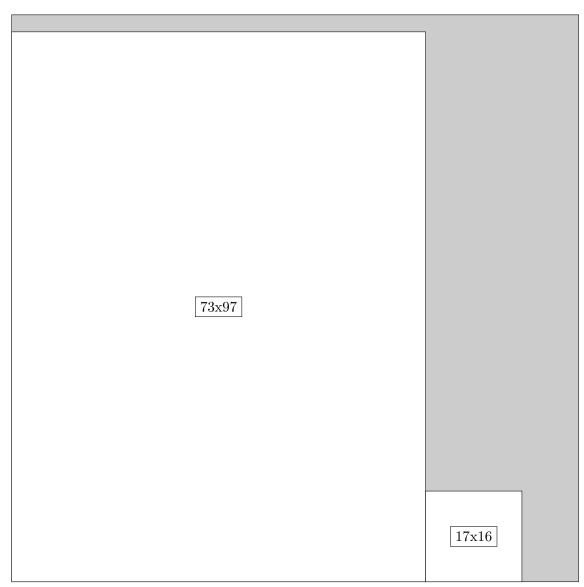
w = 77, h = 96, x = 0, y = 0, v = 7392

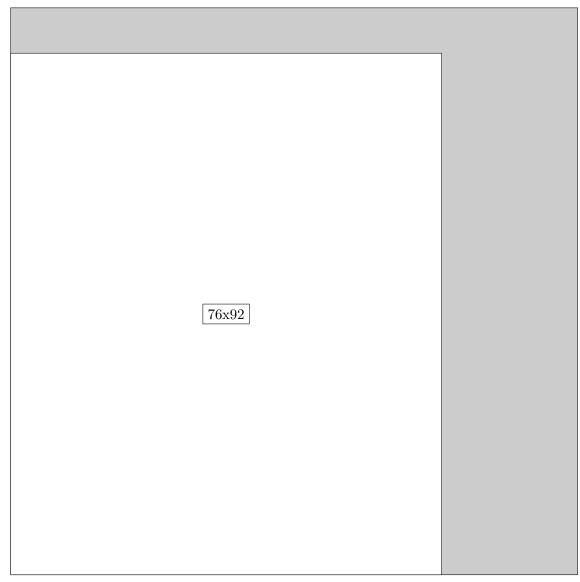


$$\begin{array}{l} w = \! 92 \ , \, h = \! 80 \ , \, x = \! 0 \ , \, y = \! 0 \ , \, v = \! 7360 \\ w = \! 8 \ , \, h = \! 18 \ , \, x = \! 92 \ , \, y = \! 0 \ , \, v = \! 144 \end{array}$$

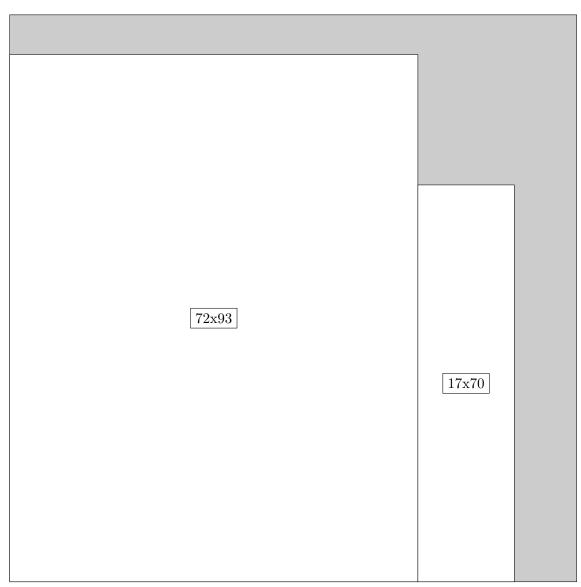


w = 77, h = 94, x = 0, y = 0, v = 7238

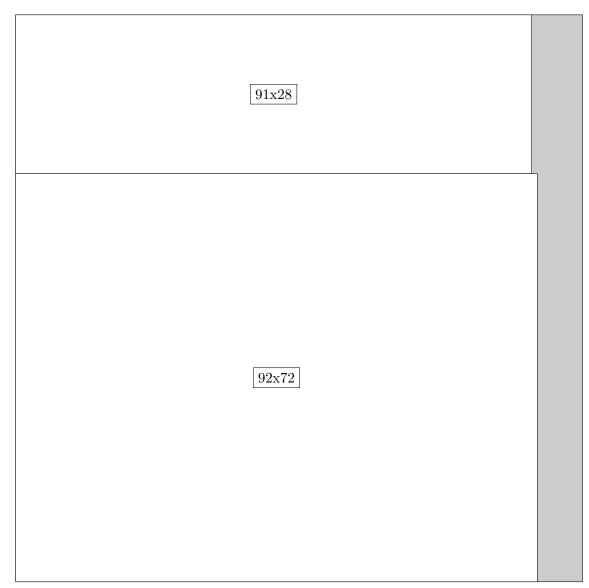




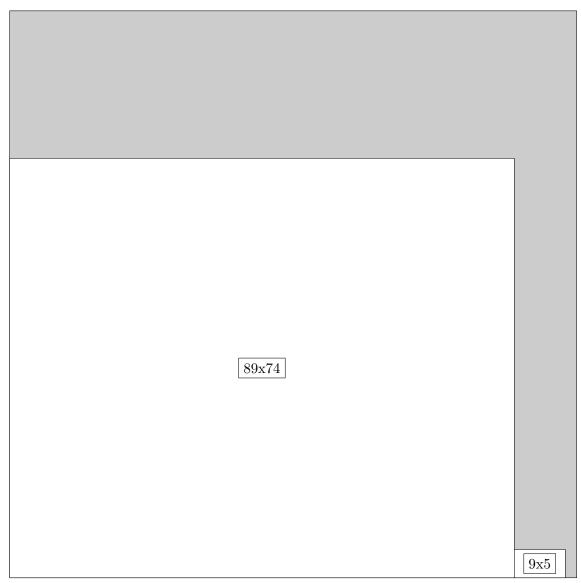
w = 76, h = 92, x = 0, y = 0, v = 6992



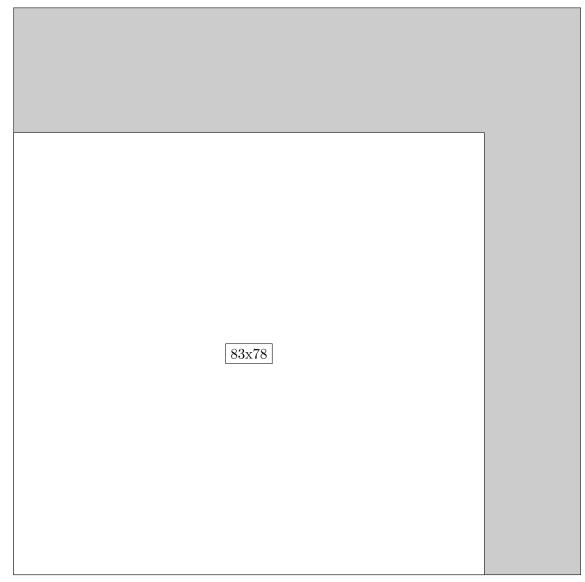
$$\begin{array}{c} w = 72 \; , \; h = 93 \; , \; x = 0 \; , \; y = 0 \; , \; v = 6696 \\ w = 17 \; , \; h = 70 \; , \; x = 72 \; , \; y = 0 \; , \; v = 1190 \\ \end{array}$$



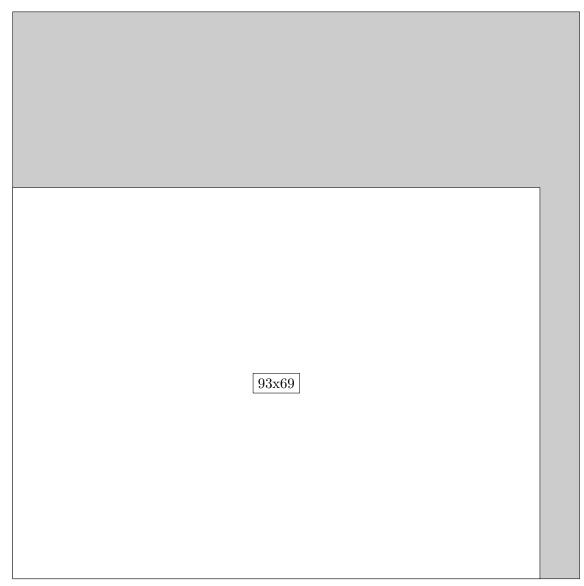
$$\begin{array}{l} w = \! 92 \ , \ h = \! 72 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 6624 \\ w = \! 91 \ , \ h = \! 28 \ , \ x = \! 0 \ , \ y = \! 72 \ , \ v = \! 2548 \end{array}$$



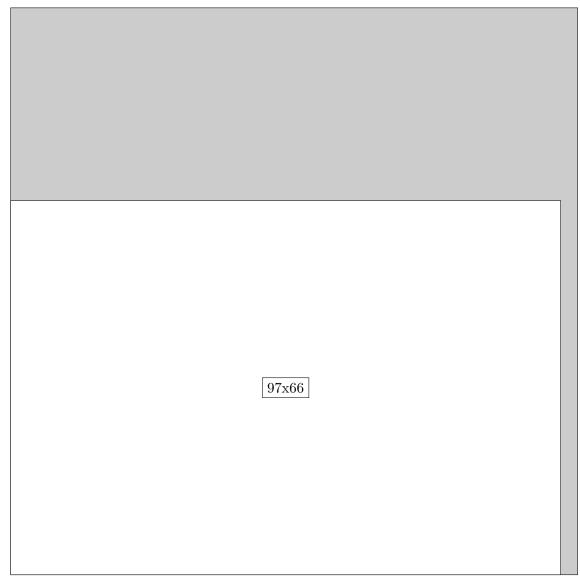
 $\begin{array}{c} w = \! 89 \ , \, h = \! 74 \ , \, x = \! 0 \ , \, y = \! 0 \ , \, v = \! 6586 \\ w = \! 9 \ , \, h = \! 5 \ , \, x = \! 89 \ , \, y = \! 0 \ , \, v = \! 45 \end{array}$



 $\le =83$, h =78 , x =0 , y =0 , v =6474



w = 93, h = 69, x = 0, y = 0, v = 6417



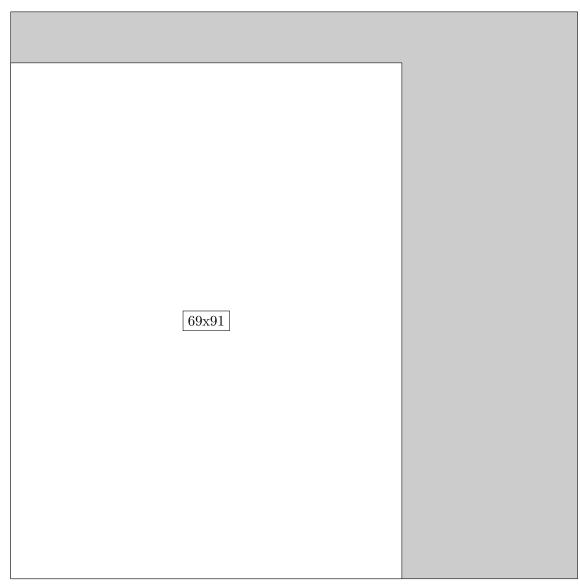
w = 97, h = 66, x = 0, y = 0, v = 6402



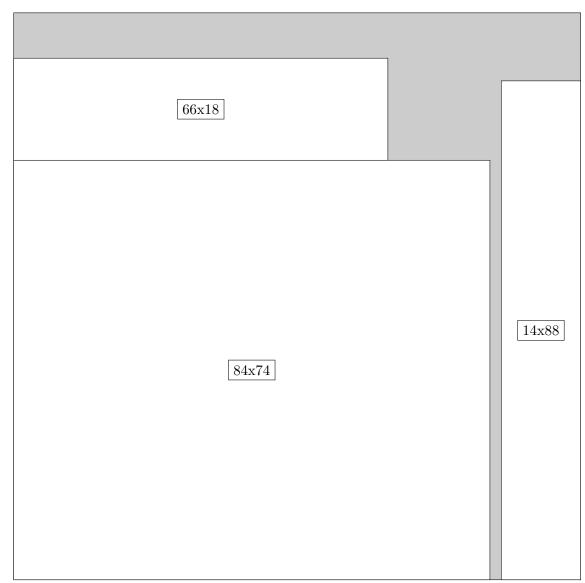
 $\le =80$, h =79 , x =0 , y =0 , v =6320



 $\le =80$, h =79 , x =0 , y =0 , v =6320



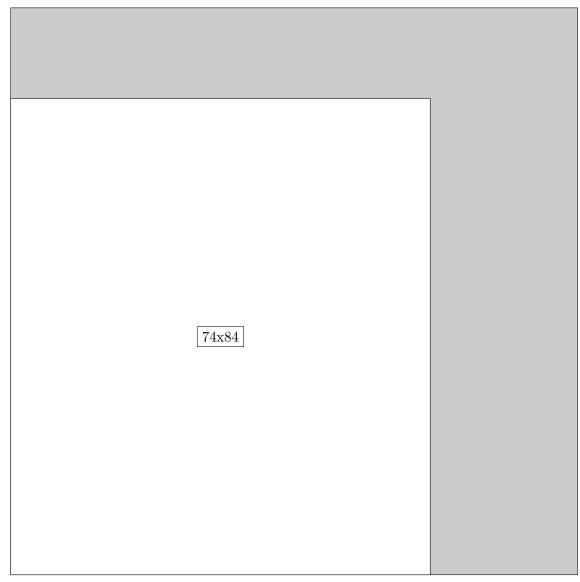
w = 69, h = 91, x = 0, y = 0, v = 6279



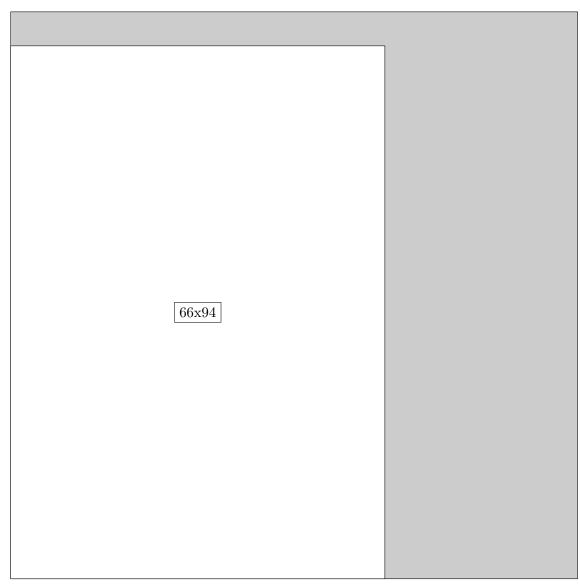
$$\le =84$$
 , h =74 , x =0 , y =0 , v =6216

$$\le =14$$
 , $h=88$, $x=86$, $y=0$, $v=1232$

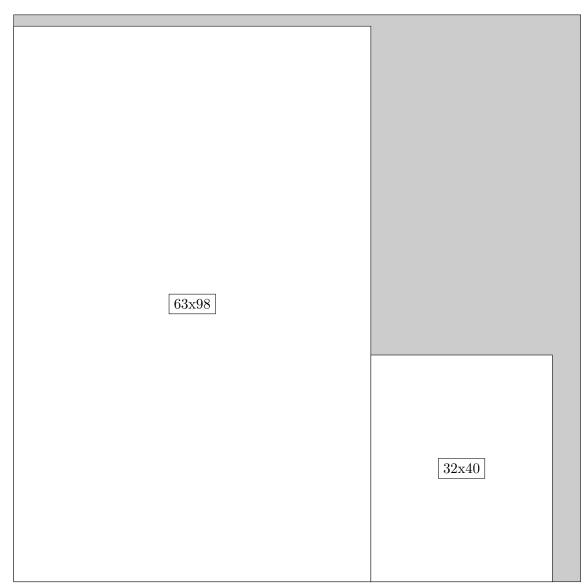
$$\le =66$$
 , h =18 , x =0 , y =74 , v =1188



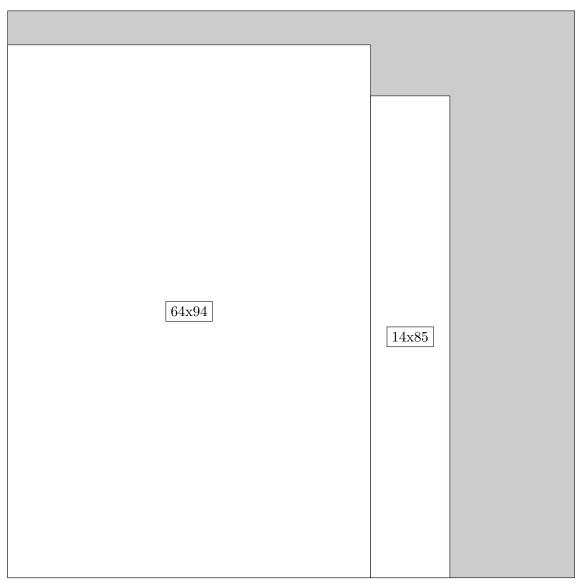
w = 74, h = 84, x = 0, y = 0, v = 6216

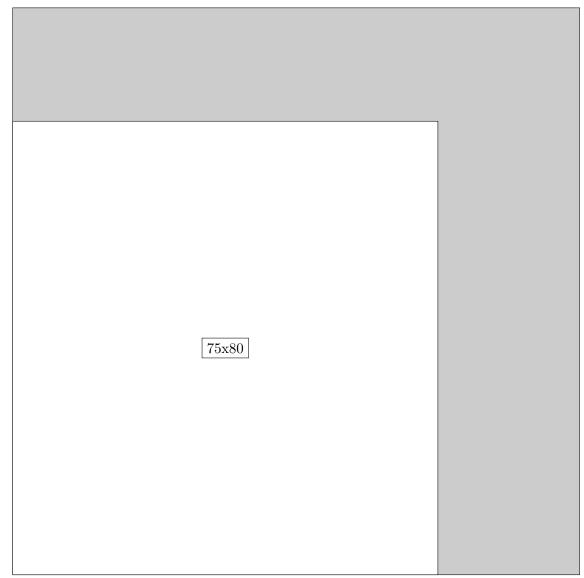


w = 66, h = 94, x = 0, y = 0, v = 6204

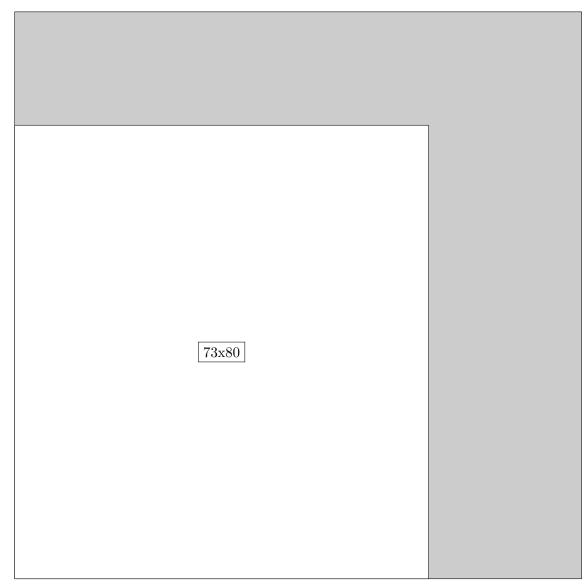


$$\begin{array}{c} w = \!63 \; , \; h = \!98 \; , \; x = \!0 \; , \; y = \!0 \; , \; v = \!6174 \\ w = \!32 \; , \; h = \!40 \; , \; x = \!63 \; , \; y = \!0 \; , \; v = \!1280 \\ \end{array}$$

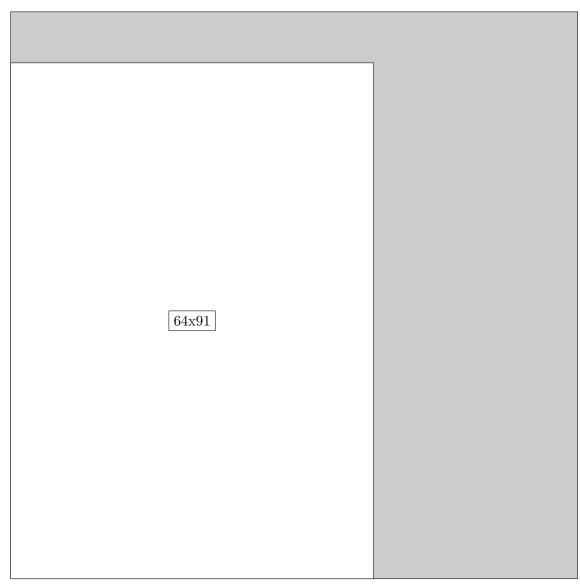




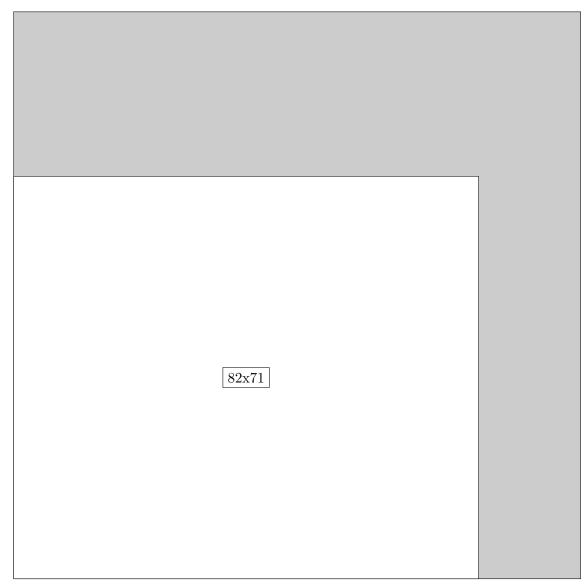
w = 75, h = 80, x = 0, y = 0, v = 6000



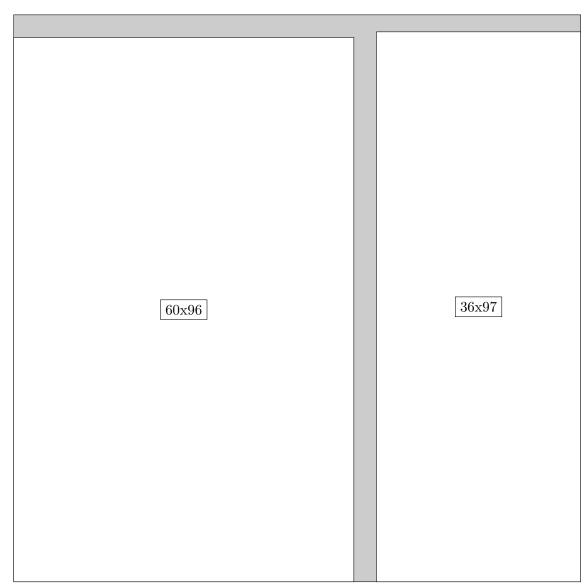
w = 73, h = 80, x = 0, y = 0, v = 5840



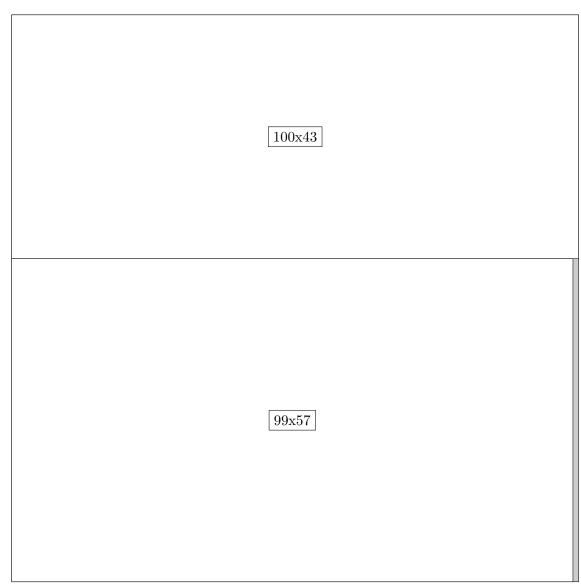
w = 64, h = 91, x = 0, y = 0, v = 5824

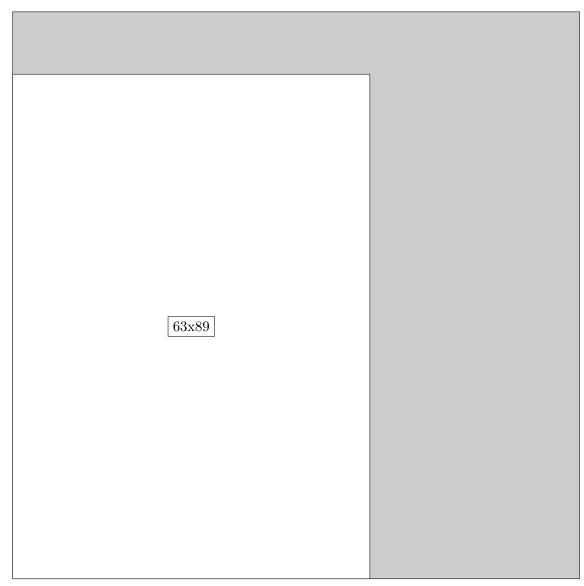


 $\le =82$, h =71 , x =0 , y =0 , v =5822

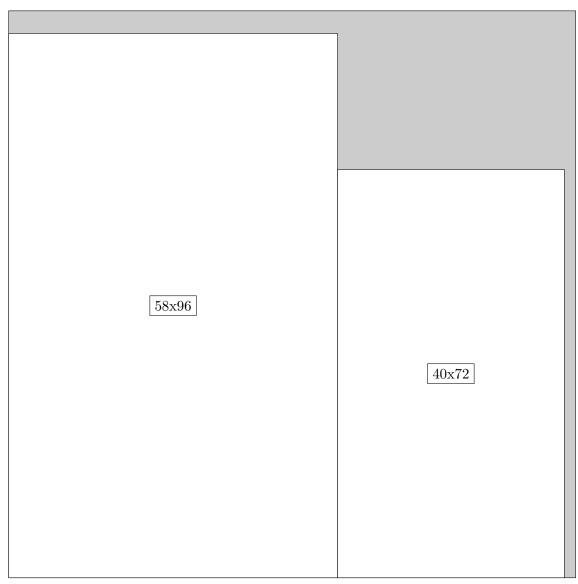


$$\begin{array}{c} w = \!\! 60 \; , \; h = \!\! 96 \; , \; x = \!\! 0 \; , \; y = \!\! 0 \; , \; v = \!\! 5760 \\ w = \!\! 36 \; , \; h = \!\! 97 \; , \; x = \!\! 64 \; , \; y = \!\! 0 \; , \; v = \!\! 3492 \end{array}$$

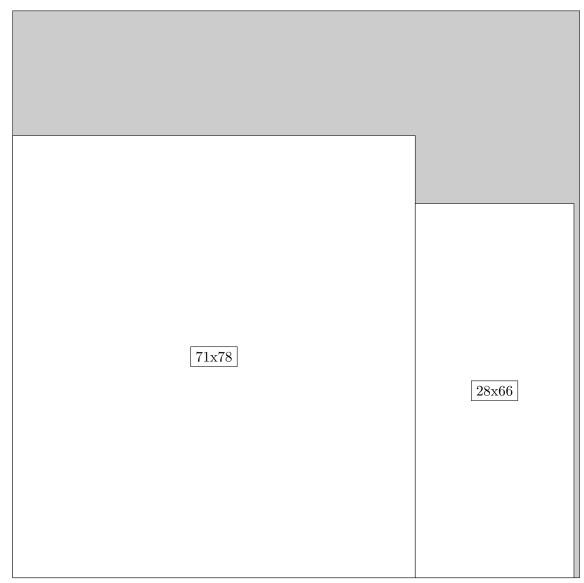


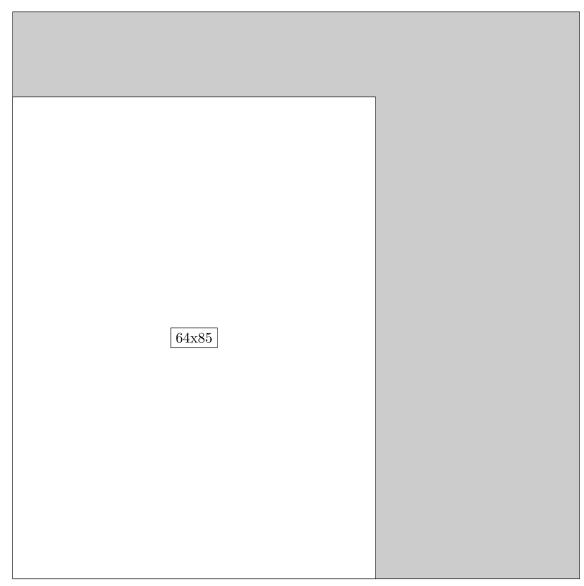


w = 63, h = 89, x = 0, y = 0, v = 5607

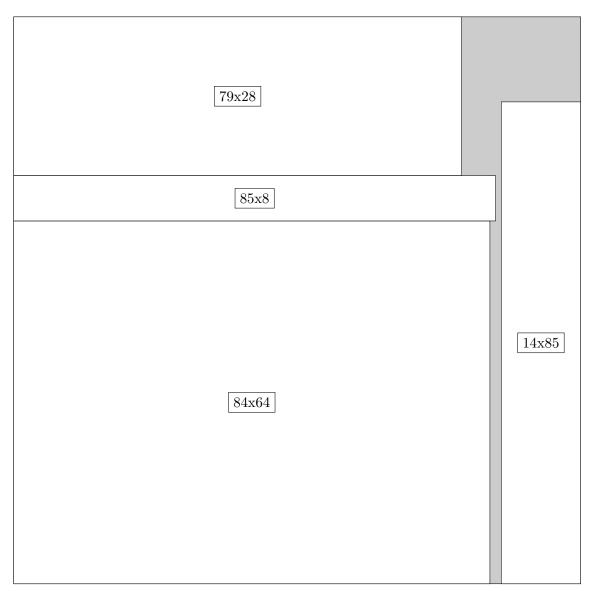


$$\begin{array}{c} w = \!\! 58 \; , \; h = \!\! 96 \; , \; x = \!\! 0 \; , \; y = \!\! 0 \; , \; v = \!\! 5568 \\ w = \!\! 40 \; , \; h = \!\! 72 \; , \; x = \!\! 58 \; , \; y = \!\! 0 \; , \; v = \!\! 2880 \\ \end{array}$$





w = 64, h = 85, x = 0, y = 0, v = 5440

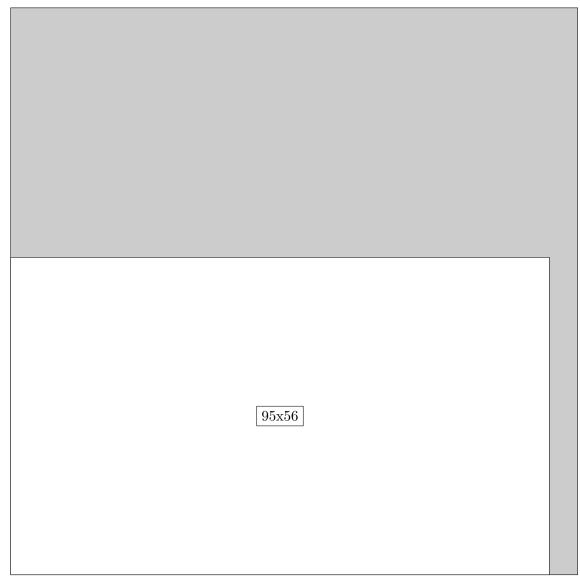


$$\le 84$$
 , h =64 , x =0 , y =0 , v =5376

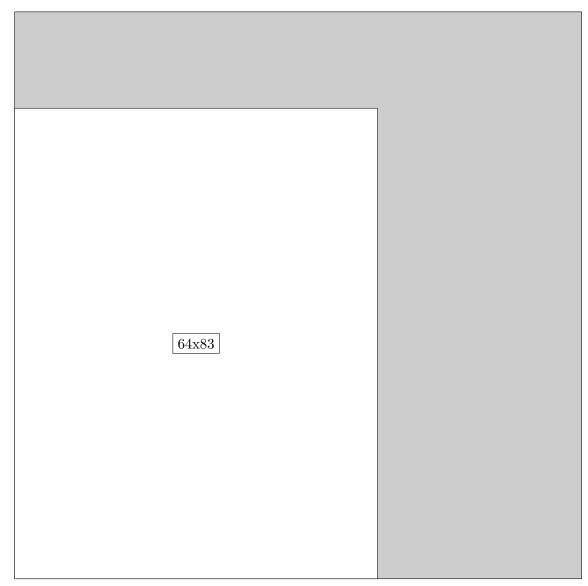
$$w = 79$$
, $h = 28$, $x = 0$, $y = 72$, $v = 2212$

$$\le =14$$
 , $h=\!85$, $x=\!86$, $y=\!0$, $v=\!1190$

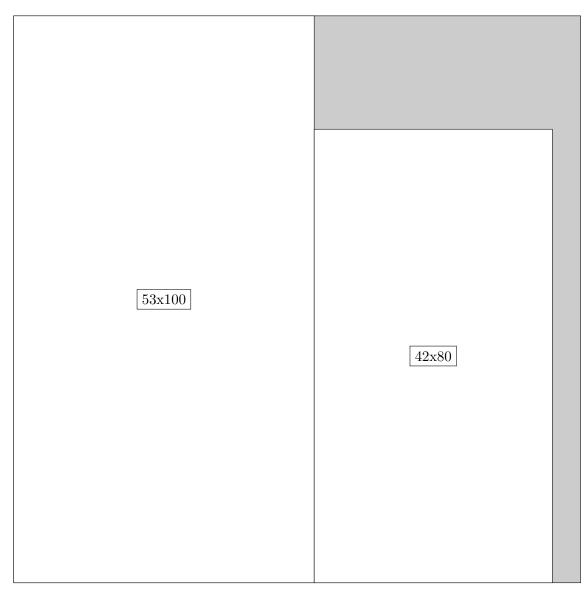
$$\le =85$$
 , h =8 , x =0 , y =64 , v =680

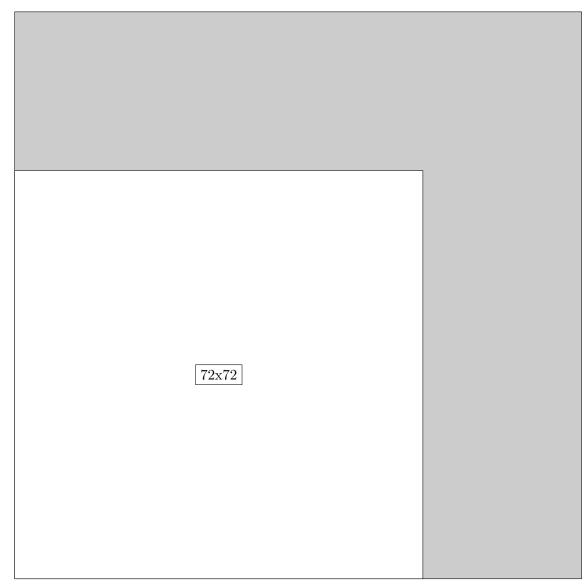


 $\le =95$, h =56 , x =0 , y =0 , v =5320

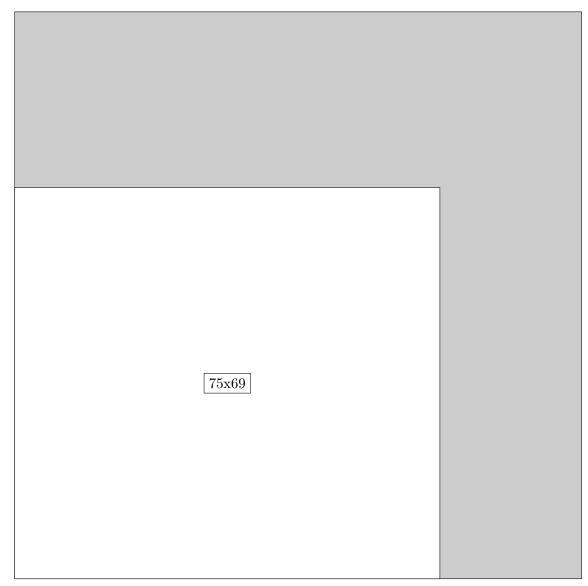


w = 64, h = 83, x = 0, y = 0, v = 5312

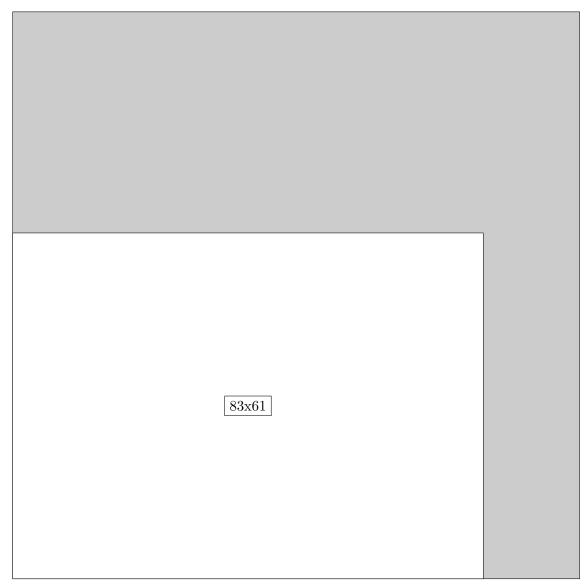




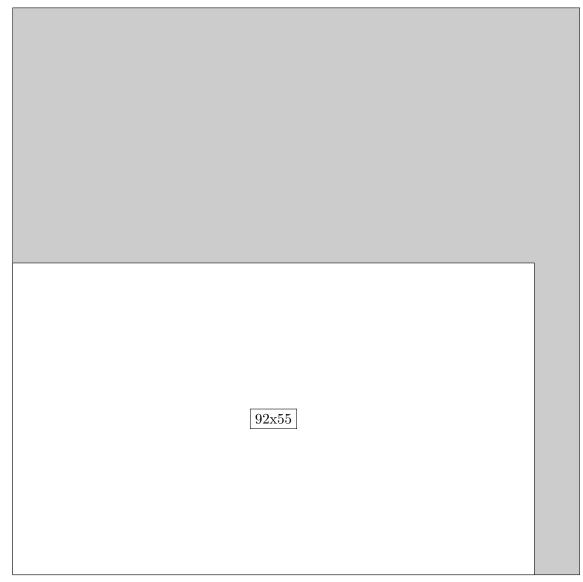
 $\le =72$, h =72 , x =0 , y =0 , v =5184



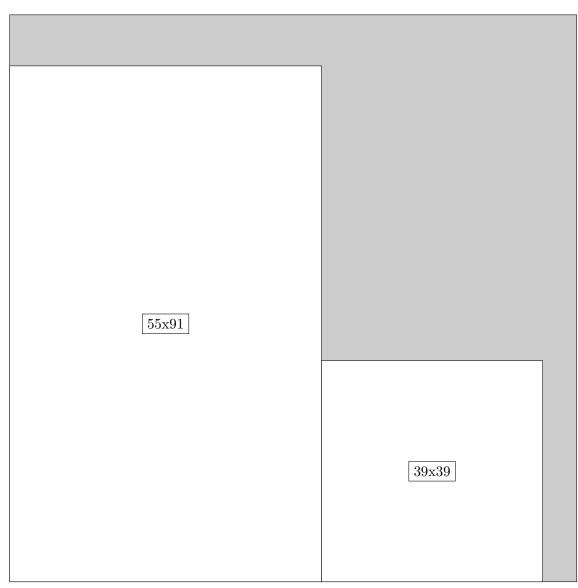
w = 75, h = 69, x = 0, y = 0, v = 5175



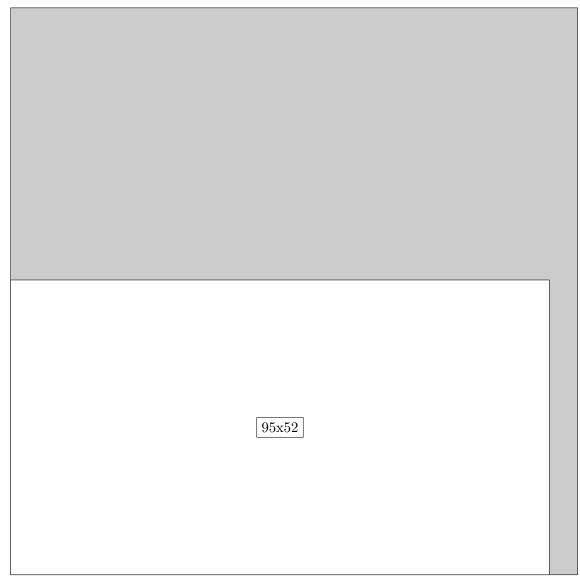
w = 83, h = 61, x = 0, y = 0, v = 5063



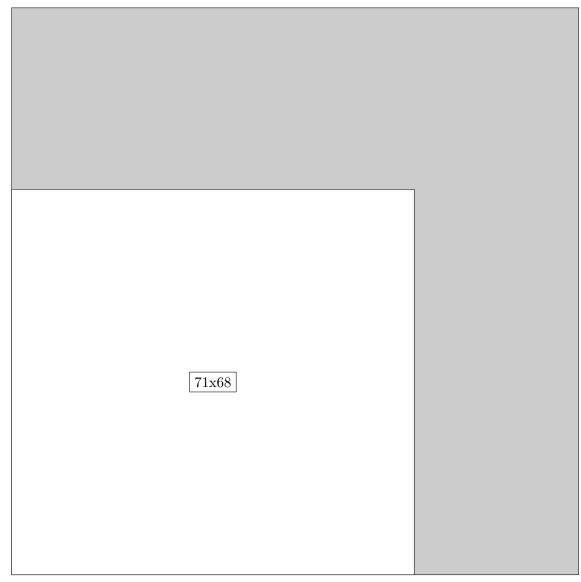
 $\le =92$, h =55 , x =0 , y =0 , v = 5060



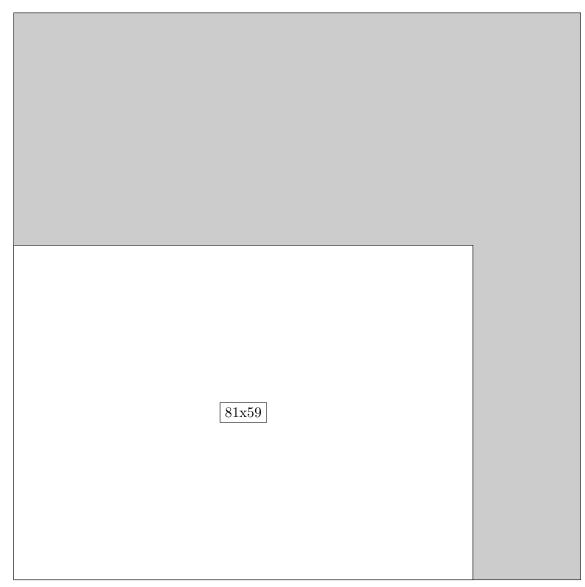
$$\begin{array}{c} w = \!\! 55 \ , \ h = \!\! 91 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 5005 \\ w = \!\! 39 \ , \ h = \!\! 39 \ , \ x = \!\! 55 \ , \ y = \!\! 0 \ , \ v = \!\! 1521 \end{array}$$



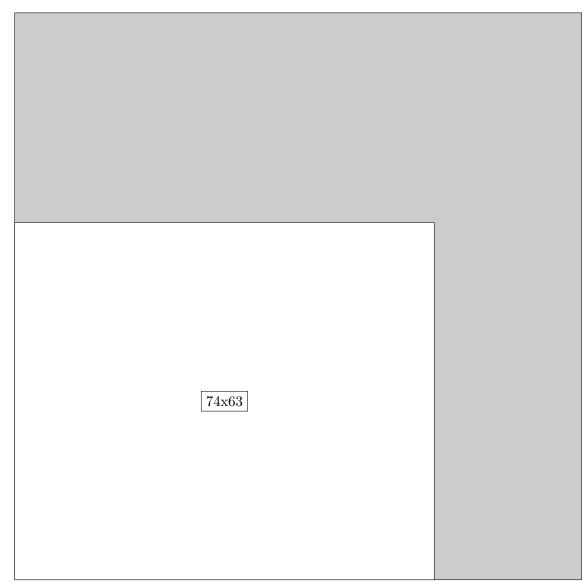
w = 95, h = 52, x = 0, y = 0, v = 4940



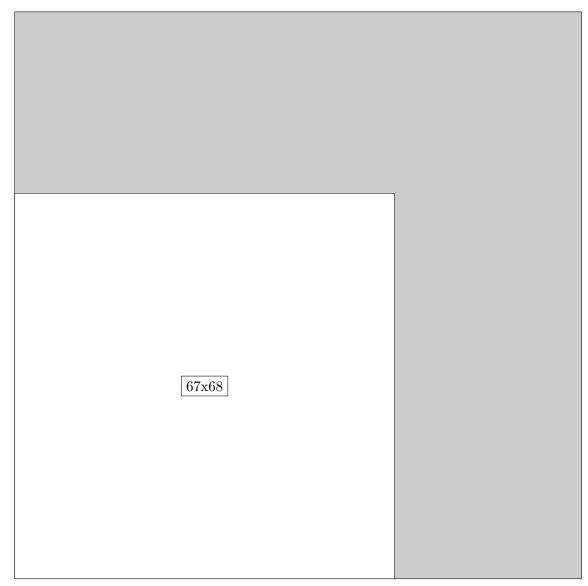
w = 71, h = 68, x = 0, y = 0, v = 4828



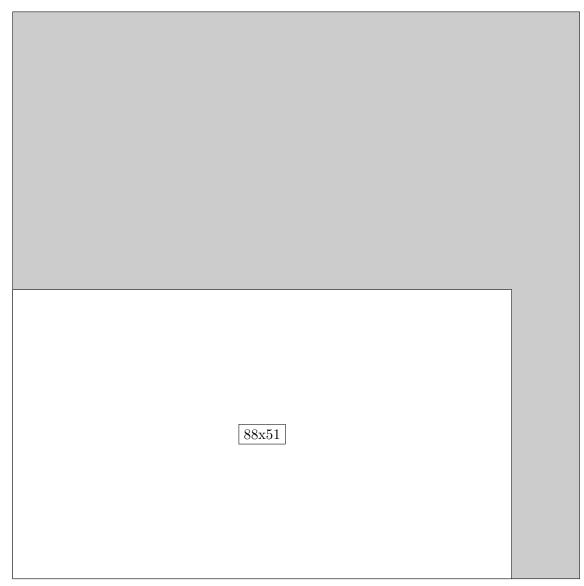
w = 81, h = 59, x = 0, y = 0, v = 4779



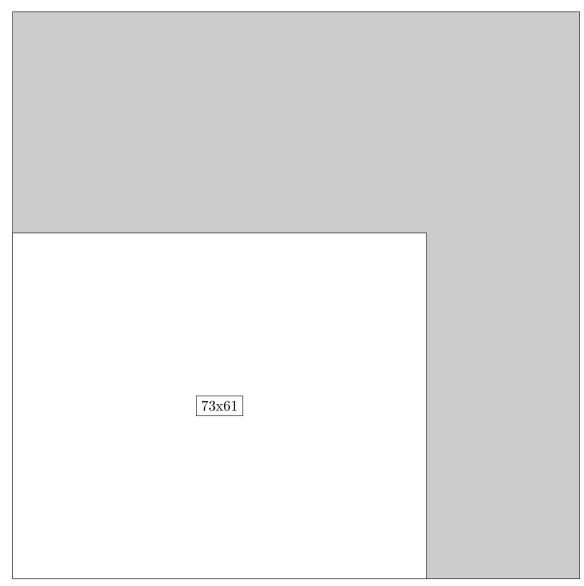
w = 74, h = 63, x = 0, y = 0, v = 4662



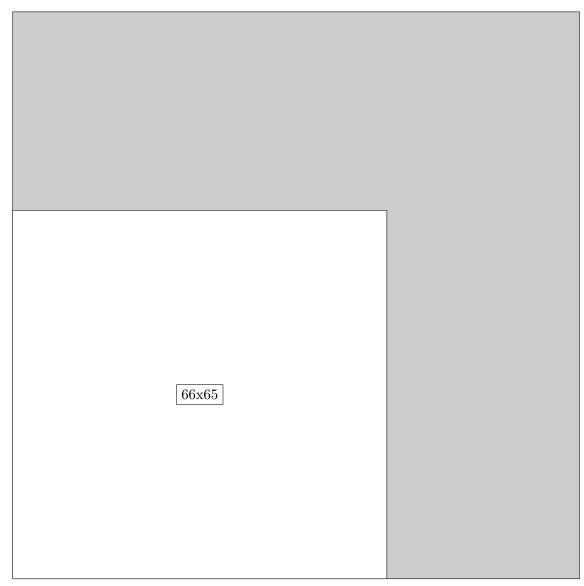
w = 67, h = 68, x = 0, y = 0, v = 4556



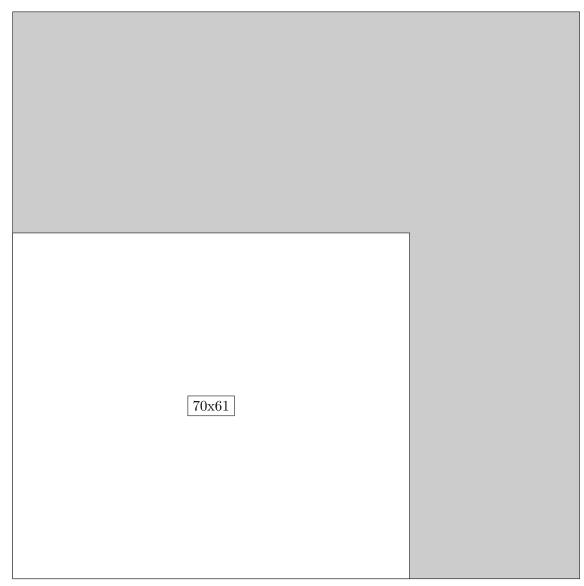
 $\le =88$, h =51 , x =0 , y =0 , v =4488



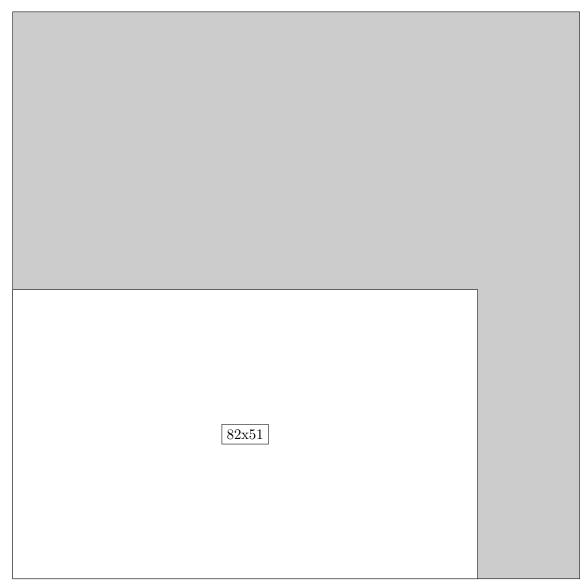
w = 73, h = 61, x = 0, y = 0, v = 4453



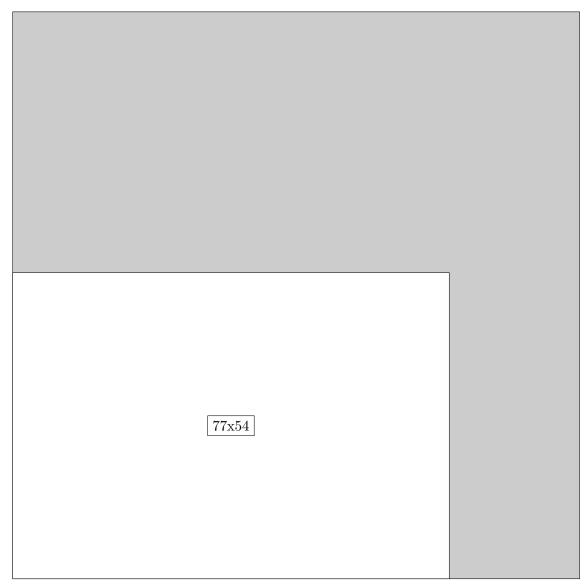
w = 66, h = 65, x = 0, y = 0, v = 4290



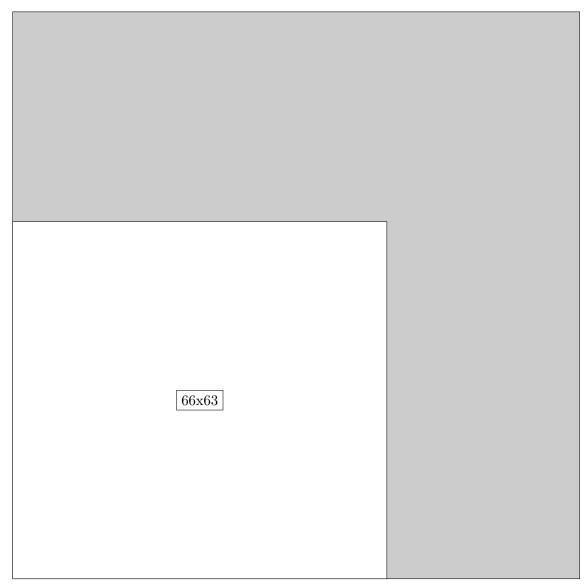
 $\overline{\rm w}$ =70 , h =61 , x =0 , y =0 , v =4270



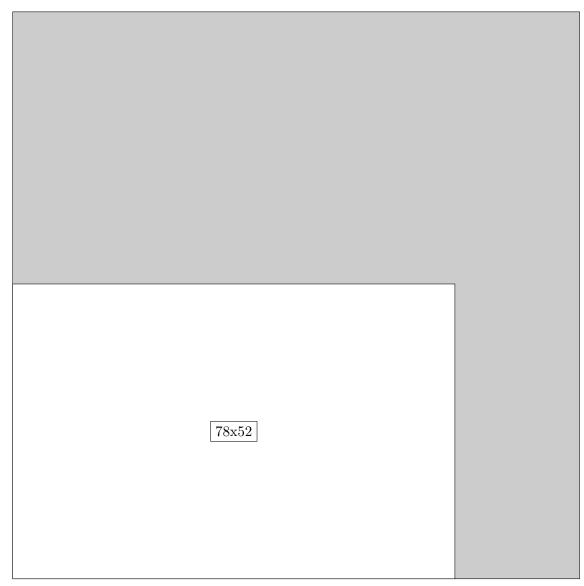
 $\le =82$, h =51 , x =0 , y =0 , v =4182



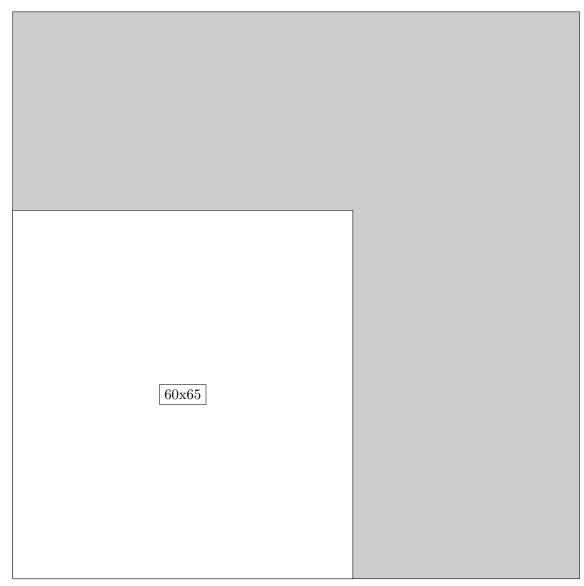
w = 77, h = 54, x = 0, y = 0, v = 4158



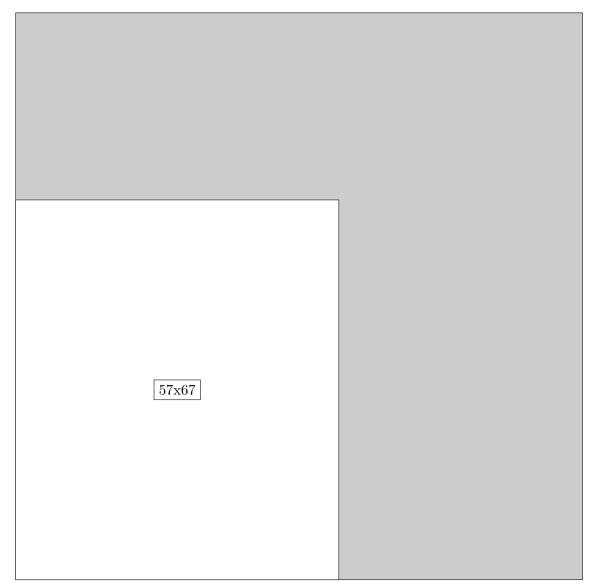
w = 66, h = 63, x = 0, y = 0, v = 4158



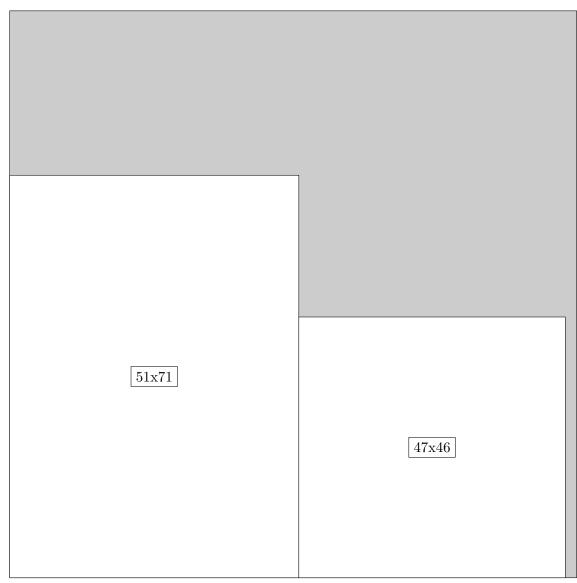
w = 78, h = 52, x = 0, y = 0, v = 4056



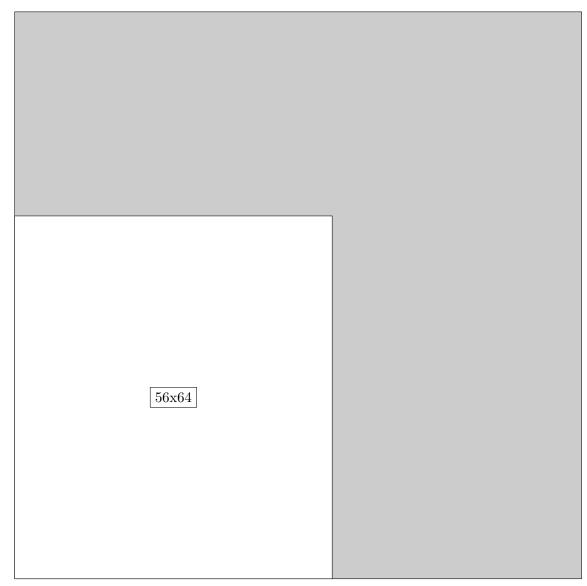
 $\overline{\mathbf{w}} = 60$, $\mathbf{h} = 65$, $\mathbf{x} = 0$, $\mathbf{y} = 0$, $\mathbf{v} = 3900$



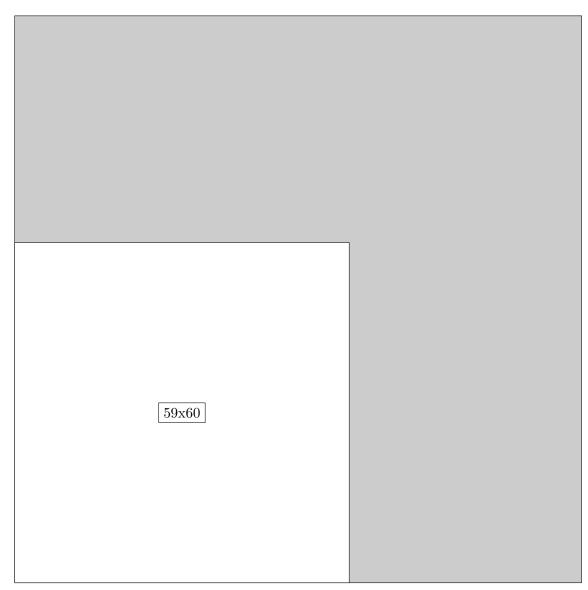
 $\overline{w} = 57$, h = 67, x = 0, y = 0, v = 3819



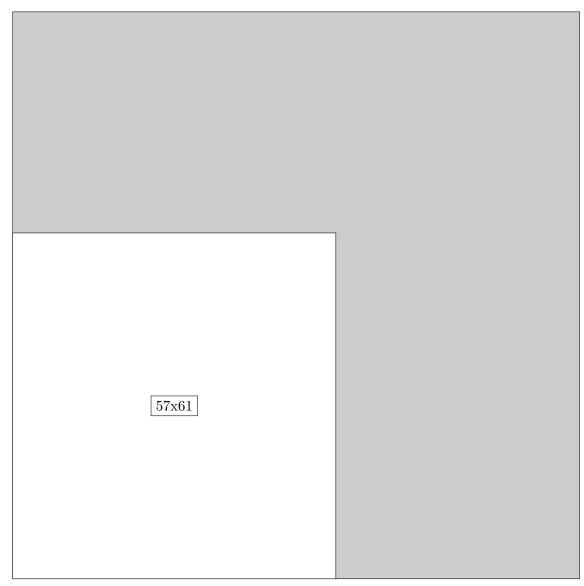
$$\begin{array}{c} w = \!\! 51 \; , \; h = \!\! 71 \; , \; x = \!\! 0 \; , \; y = \!\! 0 \; , \; v = \!\! 3621 \\ w = \!\! 47 \; , \; h = \!\! 46 \; , \; x = \!\! 51 \; , \; y = \!\! 0 \; , \; v = \!\! 2162 \\ \end{array}$$



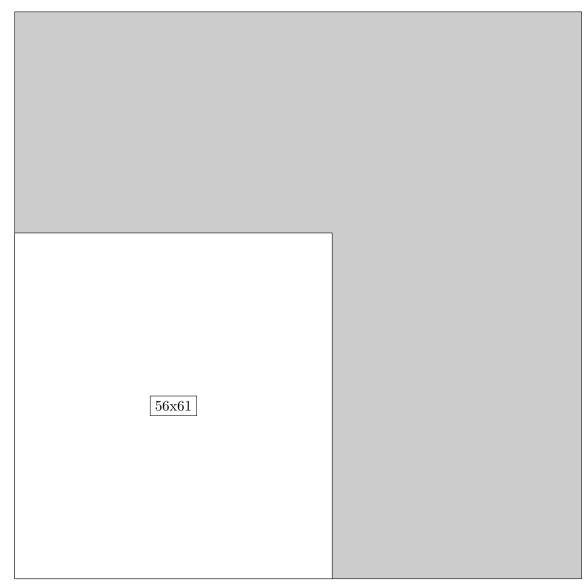
 $\overline{w} = 56$, h = 64, x = 0, y = 0, v = 3584



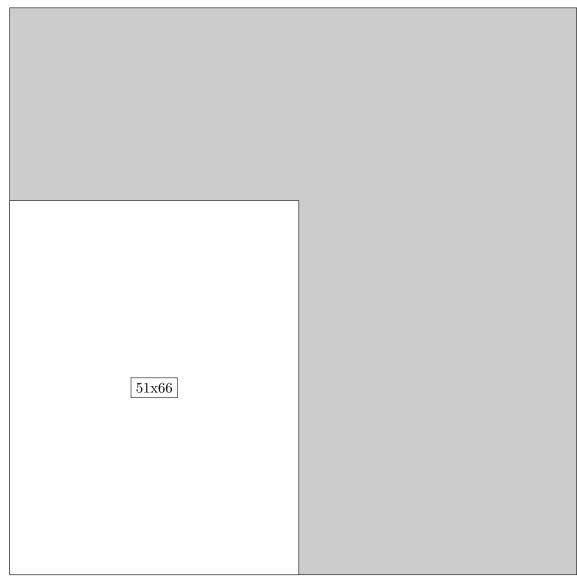
 $\overline{w} = 59$, h = 60, x = 0, y = 0, v = 3540



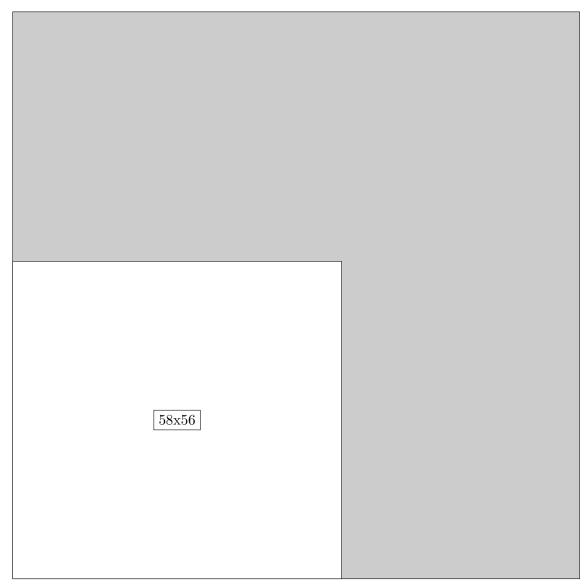
w = 57, h = 61, x = 0, y = 0, v = 3477



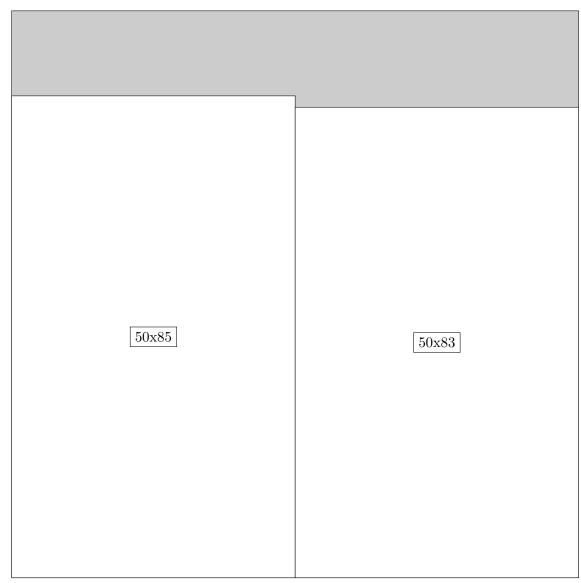
w = 56, h = 61, x = 0, y = 0, v = 3416



w = 51, h = 66, x = 0, y = 0, v = 3366



w = 58, h = 56, x = 0, y = 0, v = 3248

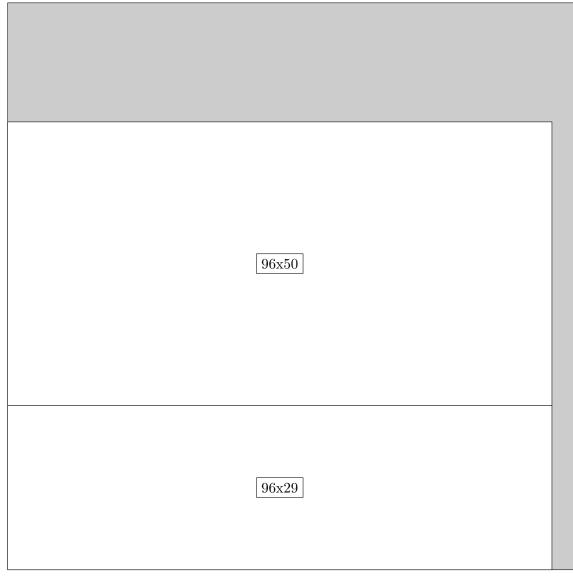


$$\begin{array}{c} w = \!\! 50 \; , \; h = \!\! 85 \; , \; x = \!\! 0 \; , \; y = \!\! 0 \; , \; v = \!\! 4250 \\ w = \!\! 50 \; , \; h = \!\! 83 \; , \; x = \!\! 50 \; , \; y = \!\! 0 \; , \; v = \!\! 4150 \\ \end{array}$$





$$\begin{array}{c} w = 98 \; , \; h = \!\!\! 42 \; , \; x = \!\!\! 0 \; , \; y = \!\!\! 0 \; , \; v = \!\!\! 4116 \\ w = \!\!\! 50 \; , \; h = \!\!\! 56 \; , \; x = \!\!\! 0 \; , \; y = \!\!\! 42 \; , \; v = \!\!\! 2800 \\ \end{array}$$



$$\begin{array}{l} w = \! 96 \ , \ h = \! 50 \ , \ x = \! 0 \ , \ y = \! 29 \ , \ v = \! 4800 \\ w = \! 96 \ , \ h = \! 29 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 2784 \end{array}$$