$ClassName: \ Class_09.2bp-46$

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

TypeNum: <u>100</u> Num: <u>100</u> OutS: <u>660000</u> InS: <u>415667</u> Rate: <u>0.630</u> UB: <u>66</u> LB0: <u>66</u>

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

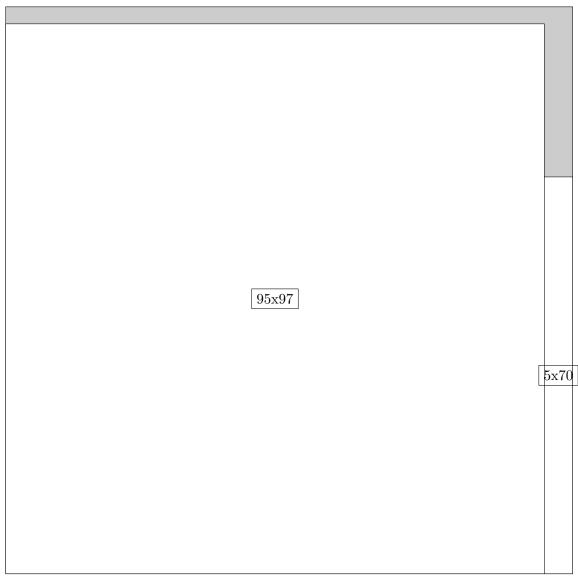
LB: **66**

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**

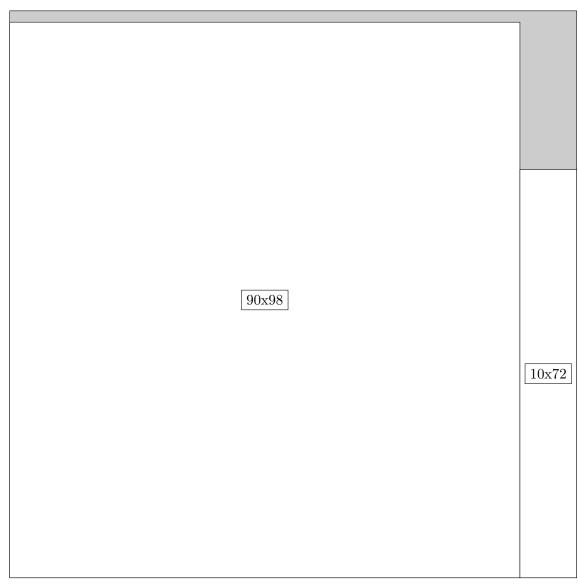
 $\begin{array}{ll} {\rm TimeOnInitSolution:} \ \underline{0.280 \ s} \\ {\rm TimeOnPrimal:} \ \underline{0.000 \ s} \\ {\rm TimeOnPricing:} \ \underline{0.000 \ s} \\ {\rm TimeOnRmp:} \ \underline{0.078 \ s} \\ {\rm TotalTime:} \ \underline{0.421 \ s} \end{array}$

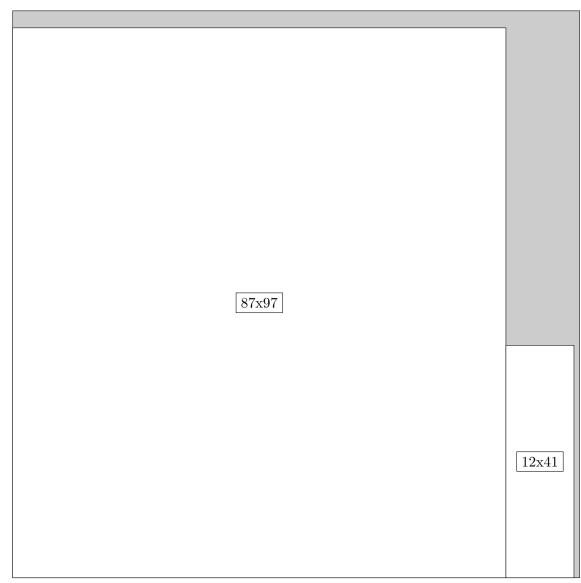


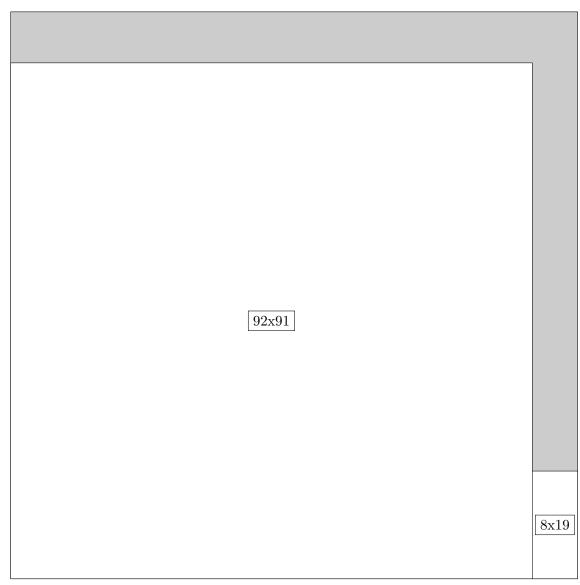
$$\begin{array}{l} w = \! 95 \ , \, h = \! 97 \ , \, x = \! 0 \ , \, y = \! 0 \ , \, v = \! 9215 \\ w = \! 5 \ , \, h = \! 70 \ , \, x = \! 95 \ , \, y = \! 0 \ , \, v = \! 350 \end{array}$$



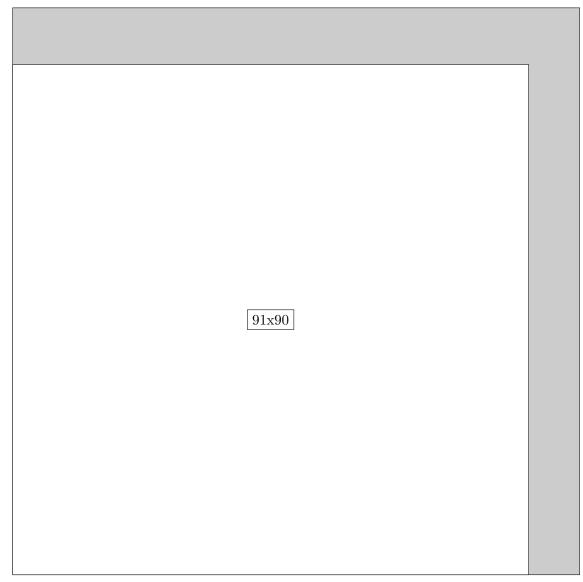
 $\le =100$, h =89 , x =0 , y =0 , v =8900



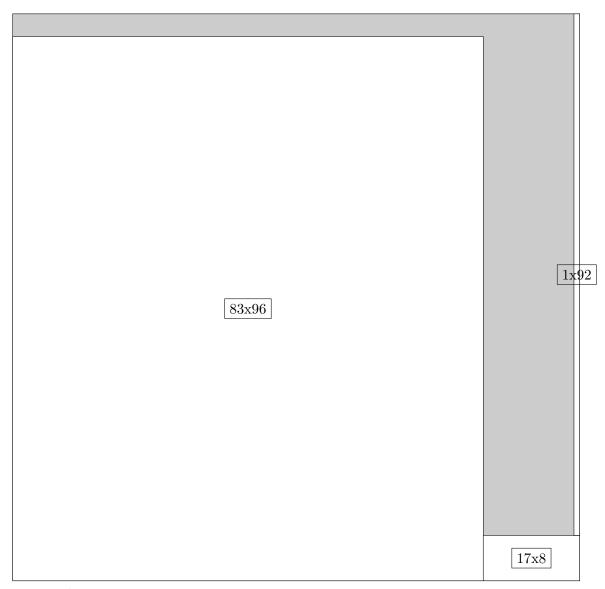




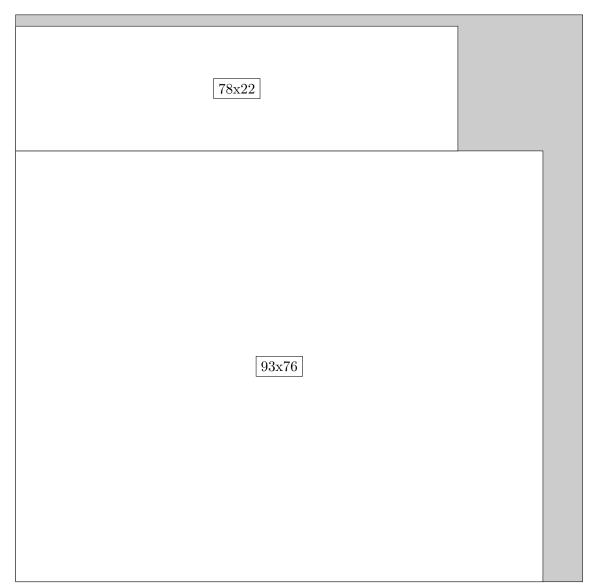
$$\begin{array}{l} w = \! 92 \ , \, h = \! 91 \ , \, x = \! 0 \ , \, y = \! 0 \ , \, v = \! 8372 \\ w = \! 8 \ , \, h = \! 19 \ , \, x = \! 92 \ , \, y = \! 0 \ , \, v = \! 152 \end{array}$$



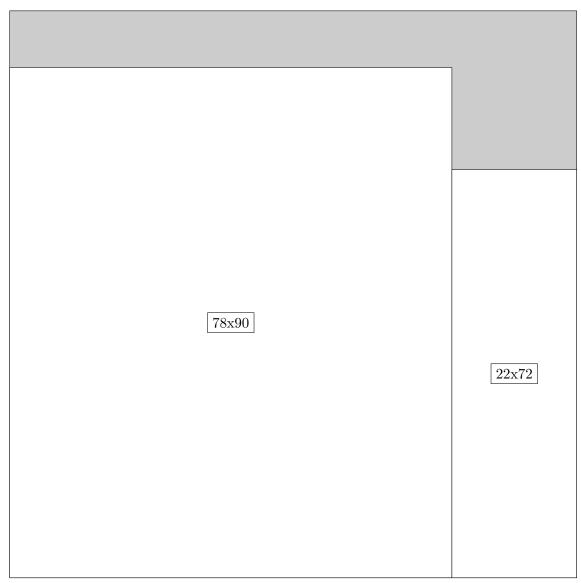
 $\le =91$, h =90 , x =0 , y =0 , v =8190

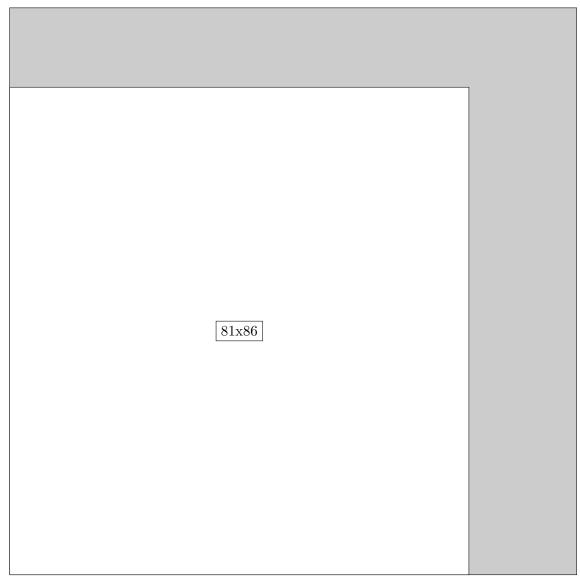


 $\begin{array}{l} w = \! 83 \; , \; h = \! 96 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 7968 \\ w = \! 17 \; , \; h = \! 8 \; , \; x = \! 83 \; , \; y = \! 0 \; , \; v = \! 136 \\ w = \! 1 \; , \; h = \! 92 \; , \; x = \! 99 \; , \; y = \! 8 \; , \; v = \! 92 \end{array}$

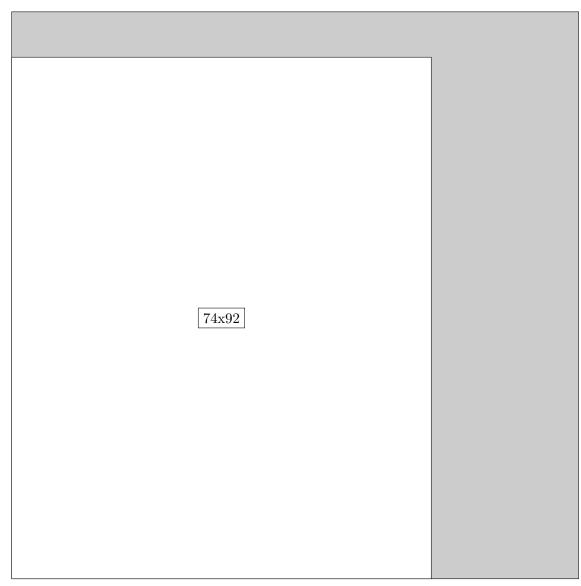


$$\begin{array}{c} w = 93 \; , \; h = 76 \; , \; x = 0 \; , \; y = 0 \; , \; v = 7068 \\ w = 78 \; , \; h = 22 \; , \; x = 0 \; , \; y = 76 \; , \; v = 1716 \\ \end{array}$$

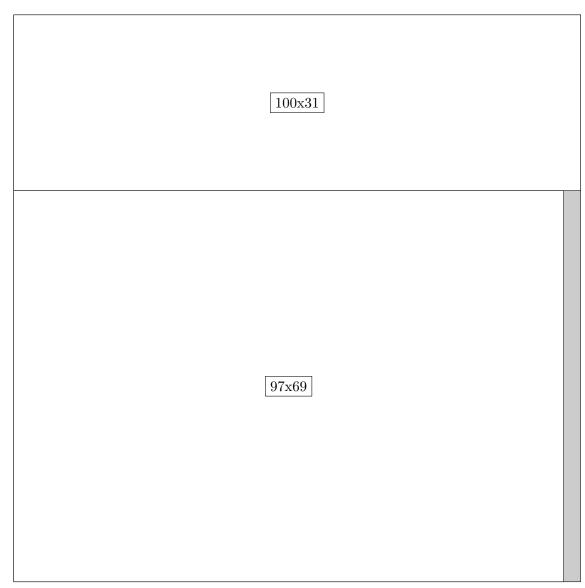


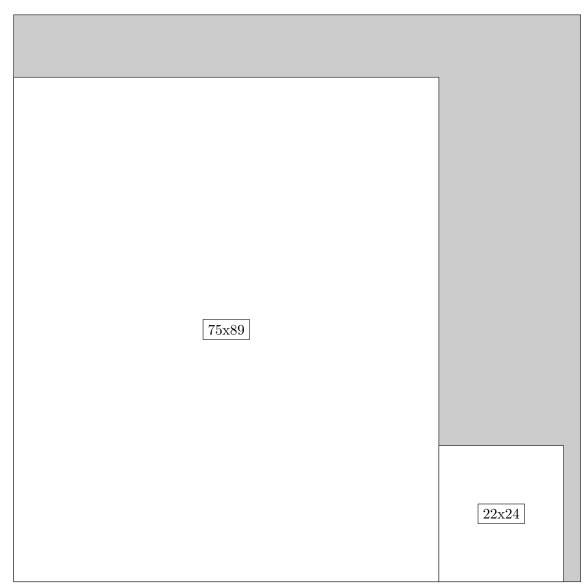


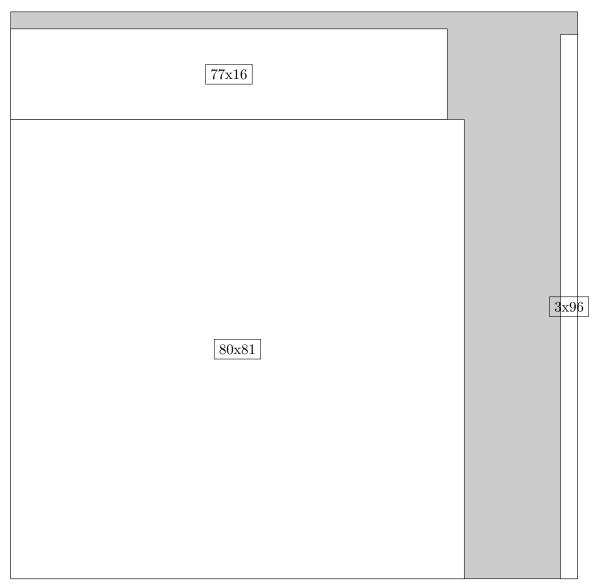
 $\overline{w} = 81$, h = 86, x = 0, y = 0, v = 6966



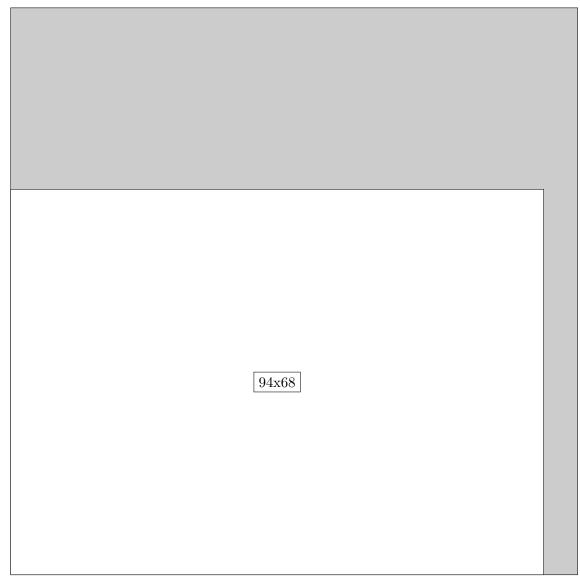
w = 74, h = 92, x = 0, y = 0, v = 6808







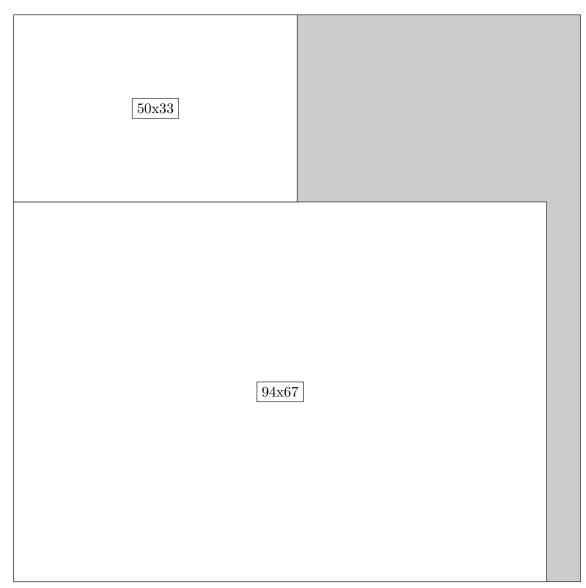
$$\begin{array}{l} w = \! 3 \ , \ h = \! 96 \ , \ x = \! 97 \ , \ y = \! 0 \ , \ v = \! 288 \\ w = \! 77 \ , \ h = \! 16 \ , \ x = \! 0 \ , \ y = \! 81 \ , \ v = \! 1232 \\ w = \! 80 \ , \ h = \! 81 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 6480 \end{array}$$



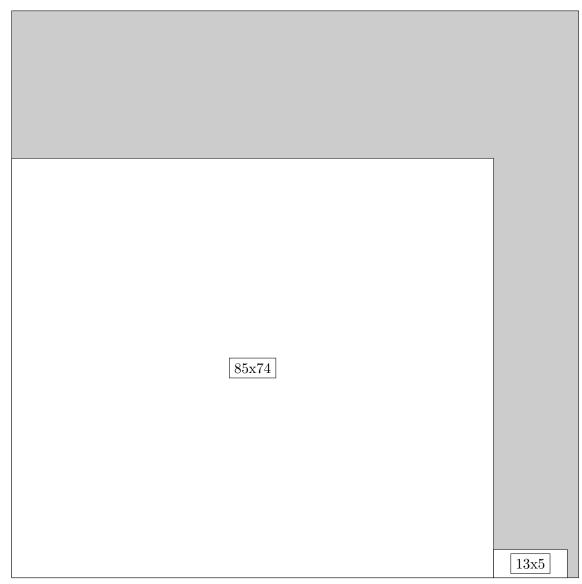
 $\le =94$, h =68 , x =0 , y =0 , v =6392



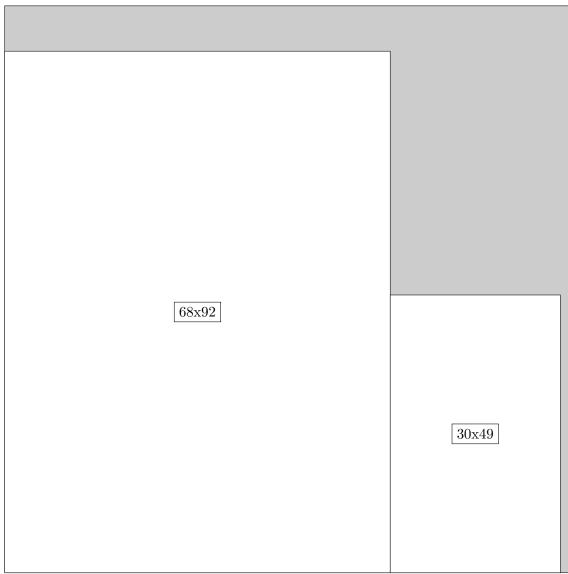
 $\le =80$, h =79 , x =0 , y =0 , v =6320

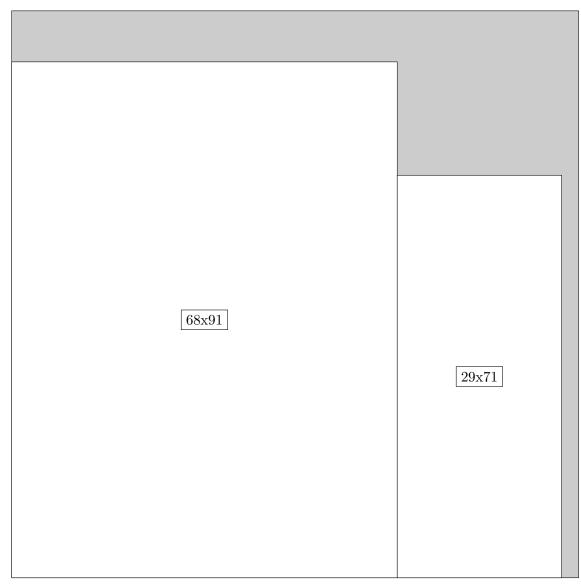


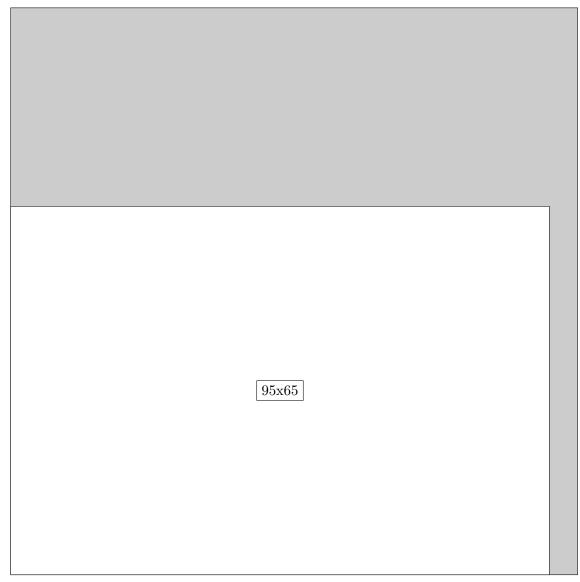
$$\begin{array}{c} w = 94 \; , \; h = 67 \; , \; x = 0 \; , \; y = 0 \; , \; v = 6298 \\ w = 50 \; , \; h = 33 \; , \; x = 0 \; , \; y = 67 \; , \; v = 1650 \\ \end{array}$$



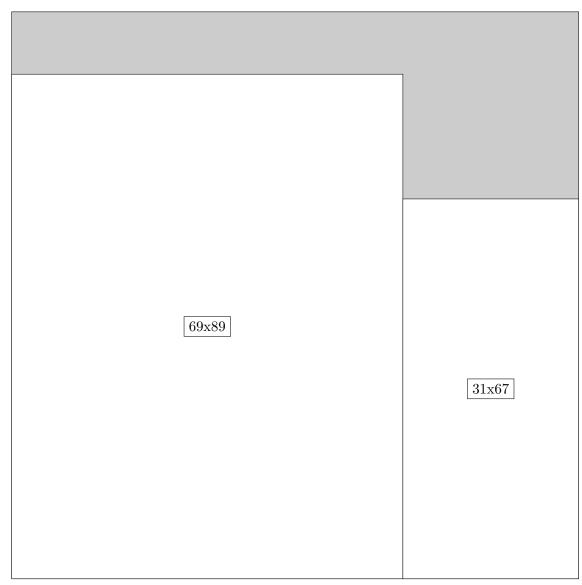
$$\begin{array}{c} w = \! 85 \; , \; h = \! 74 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 6290 \\ w = \! 13 \; , \; h = \! 5 \; , \; x = \! 85 \; , \; y = \! 0 \; , \; v = \! 65 \\ \end{array}$$



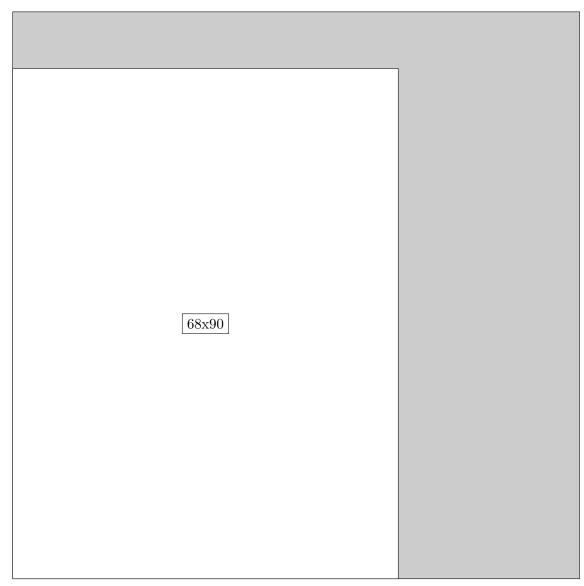




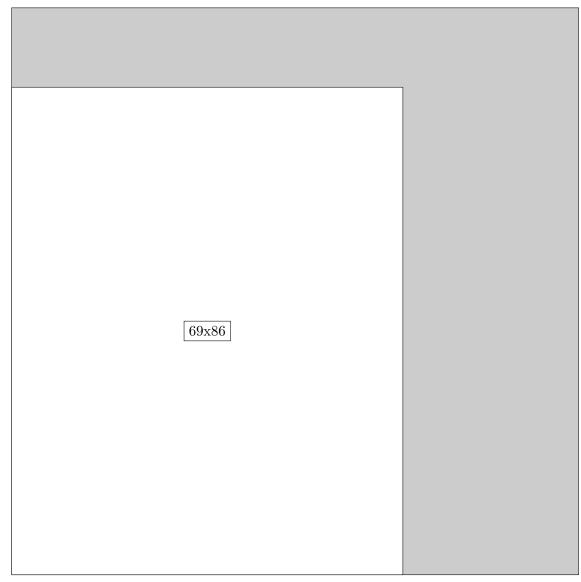
 $\overline{\rm w}$ =95 , h =65 , x =0 , y =0 , v =6175



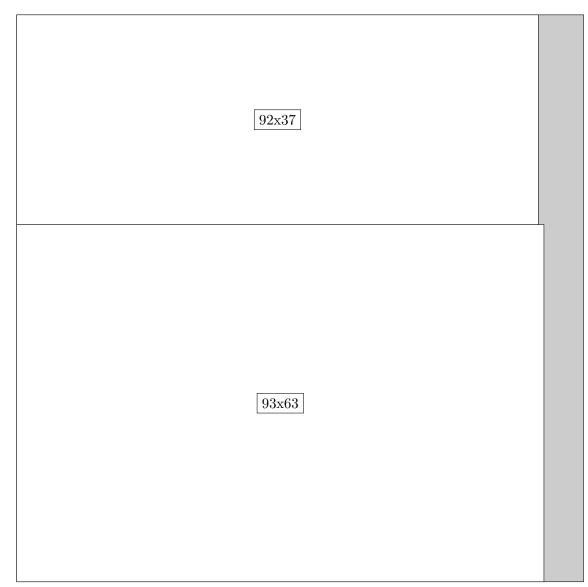
$$\begin{array}{c} w = 69 \; , \; h = 89 \; , \; x = 0 \; , \; y = 0 \; , \; v = 6141 \\ w = 31 \; , \; h = 67 \; , \; x = 69 \; , \; y = 0 \; , \; v = 2077 \\ \end{array}$$

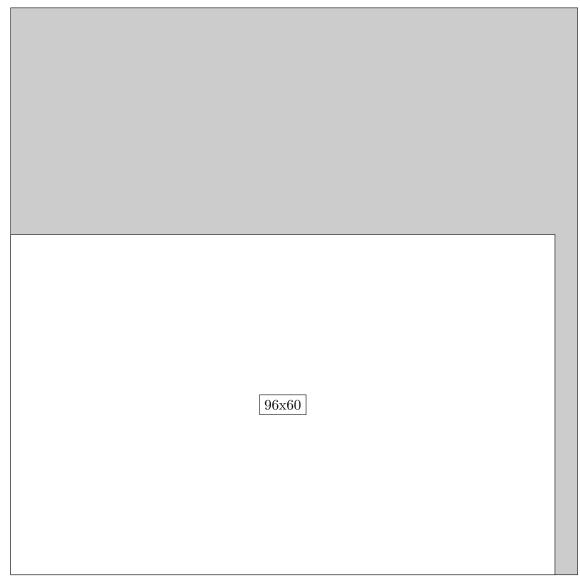


w = 68, h = 90, x = 0, y = 0, v = 6120

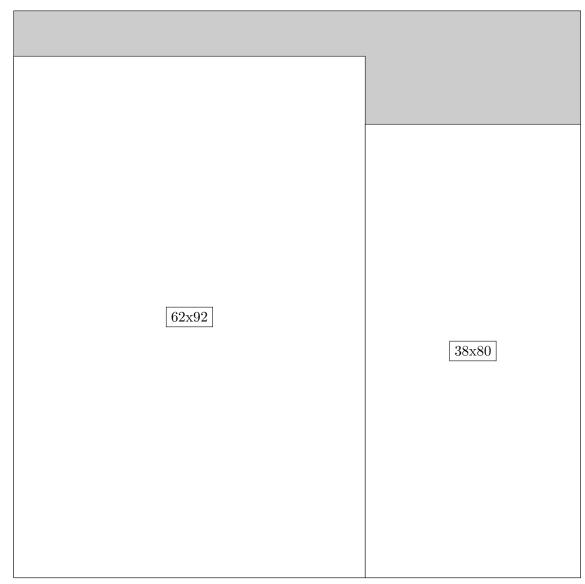


w = 69, h = 86, x = 0, y = 0, v = 5934

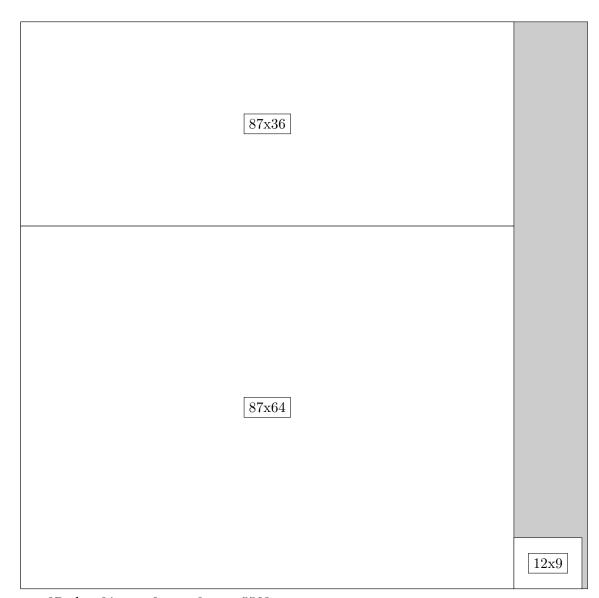




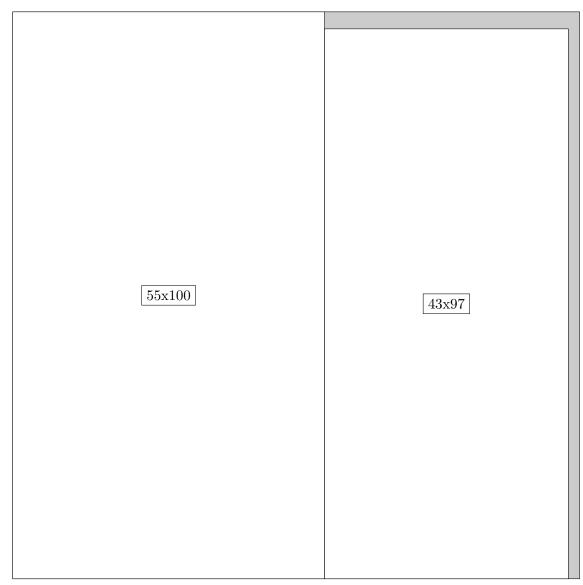
 $\overline{w} = 96$, h = 60, x = 0, y = 0, v = 5760

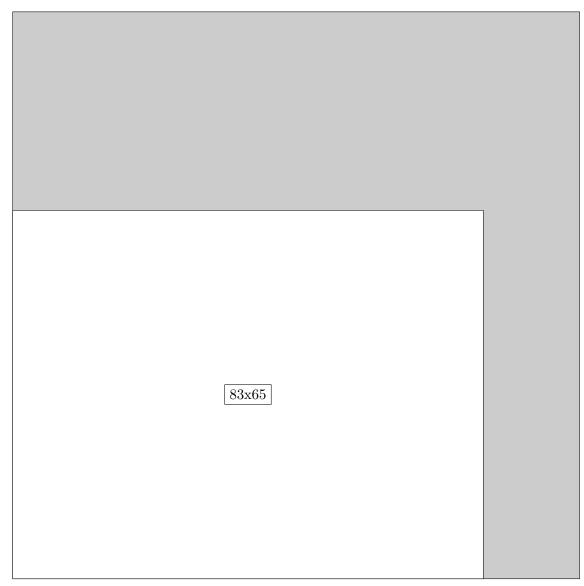


$$\begin{array}{c} w = 62 \; , \; h = 92 \; , \; x = 0 \; , \; y = 0 \; , \; v = 5704 \\ w = 38 \; , \; h = 80 \; , \; x = 62 \; , \; y = 0 \; , \; v = 3040 \\ \end{array}$$

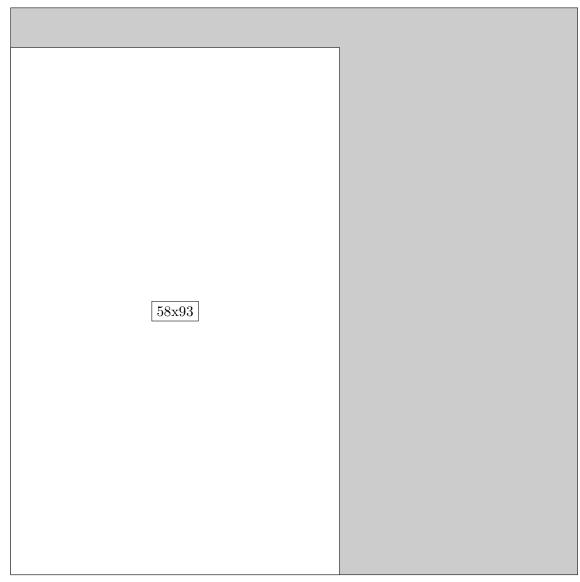


$$\begin{array}{l} w = \! 87 \ , \ h = \! 64 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 5568 \\ w = \! 87 \ , \ h = \! 36 \ , \ x = \! 0 \ , \ y = \! 64 \ , \ v = \! 3132 \\ w = \! 12 \ , \ h = \! 9 \ , \ x = \! 87 \ , \ y = \! 0 \ , \ v = \! 108 \end{array}$$

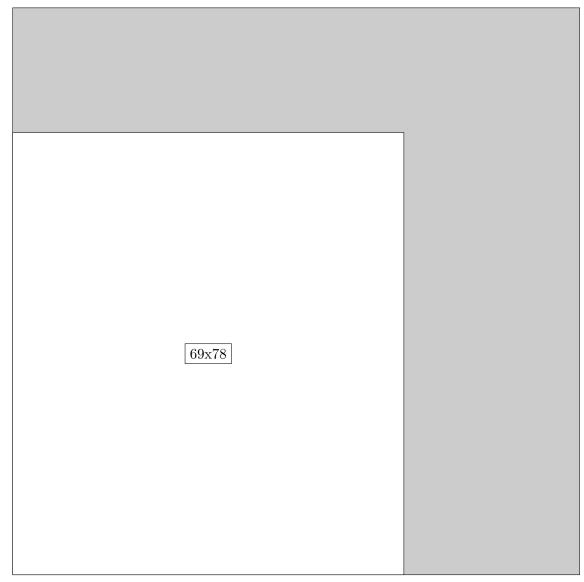




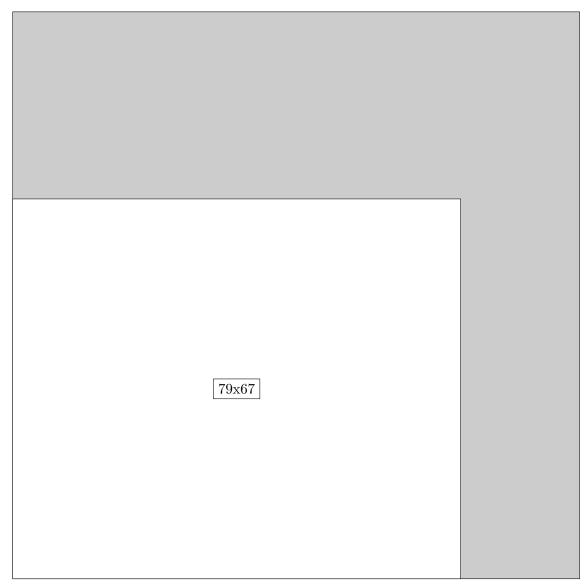
 $\le =83$, h =65 , x =0 , y =0 , v =5395



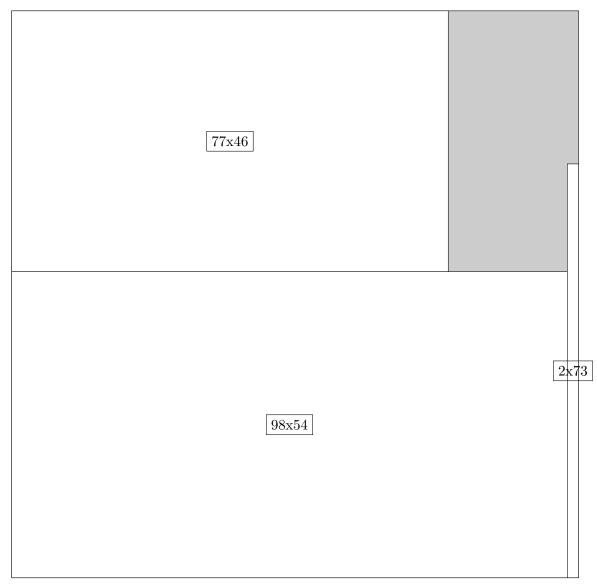
w = 58, h = 93, x = 0, y = 0, v = 5394



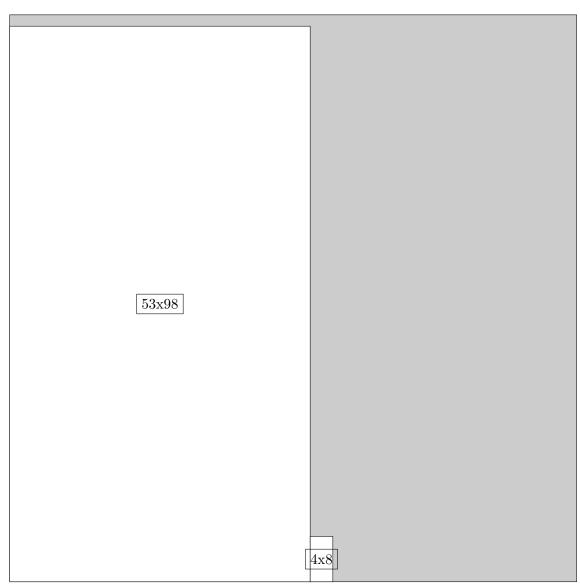
 $\le =69$, h =78 , x =0 , y =0 , v =5382



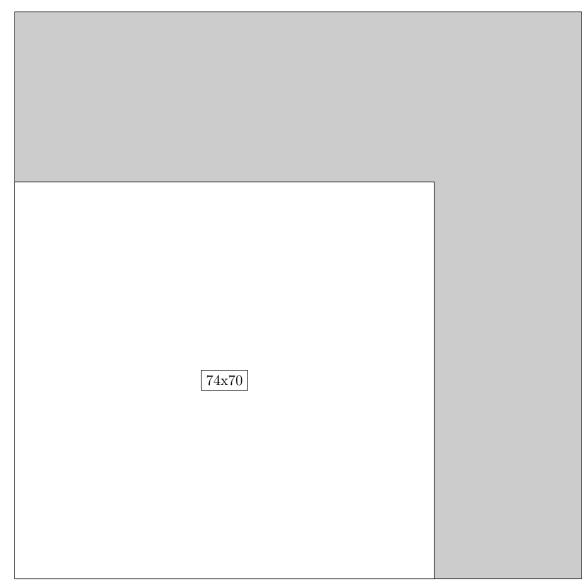
w = 79, h = 67, x = 0, y = 0, v = 5293



$$\begin{array}{l} w = \! 98 \ , \ h = \! 54 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 5292 \\ w = \! 77 \ , \ h = \! 46 \ , \ x = \! 0 \ , \ y = \! 54 \ , \ v = \! 3542 \\ w = \! 2 \ , \ h = \! 73 \ , \ x = \! 98 \ , \ y = \! 0 \ , \ v = \! 146 \end{array}$$



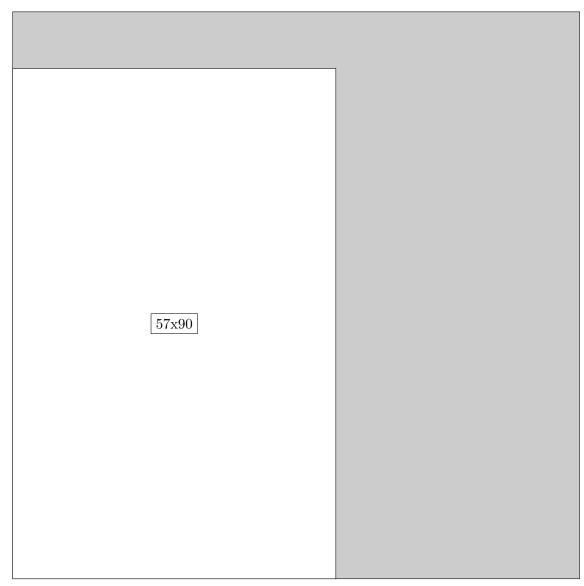
 $\begin{array}{l} w = \!53 \ , \, h = \!\!98 \ , \, x = \!\!0 \ , \, y = \!\!0 \ , \, v = \!\!5194 \\ w = \!\!4 \ , \, h = \!\!8 \ , \, x = \!\!53 \ , \, y = \!\!0 \ , \, v = \!\!32 \end{array}$



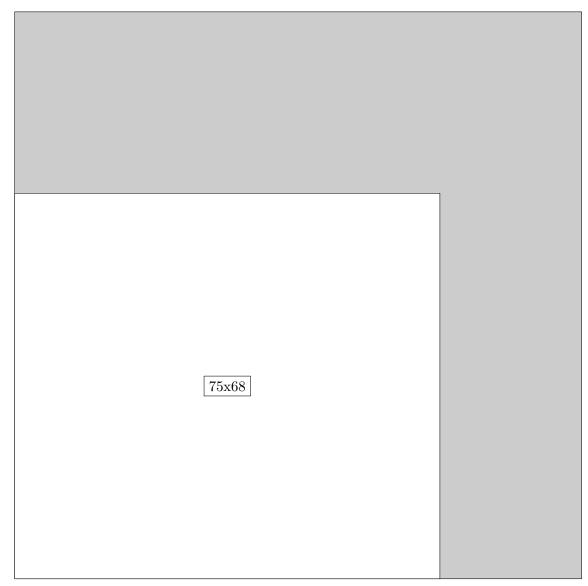
w = 74, h = 70, x = 0, y = 0, v = 5180

76x68	24x69

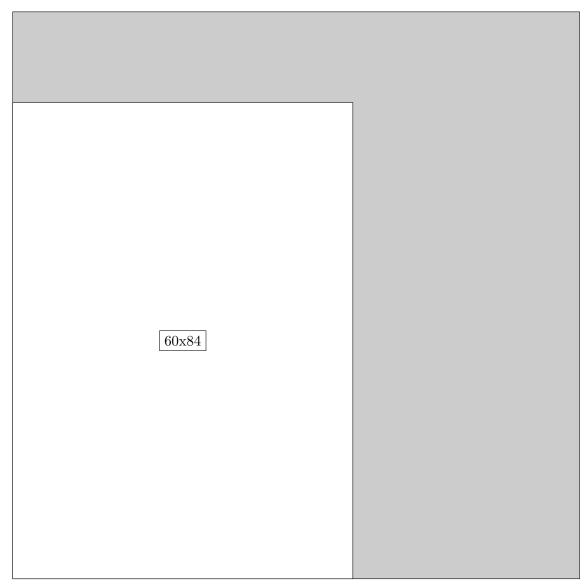
$$\begin{array}{c} w = \!\!\! 76 \; , \; h = \!\!\! 68 \; , \; x = \!\!\! 0 \; , \; y = \!\!\! 0 \; , \; v = \!\!\! 5168 \\ w = \!\!\! 24 \; , \; h = \!\!\! 69 \; , \; x = \!\!\! 76 \; , \; y = \!\!\! 0 \; , \; v = \!\!\! 1656 \\ \end{array}$$



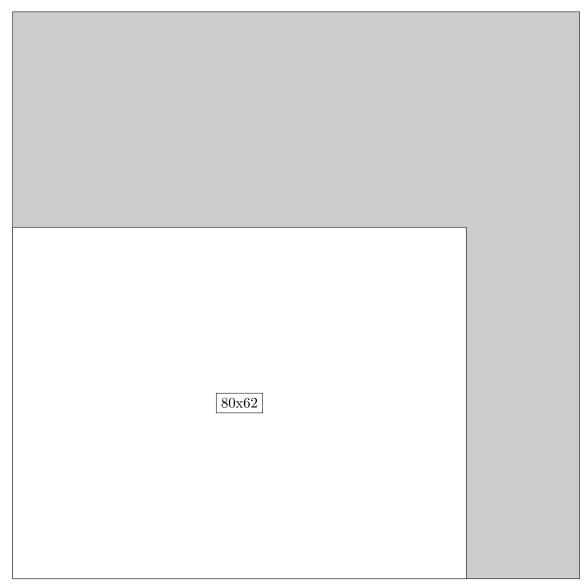
 $\overline{w} = 57$, h = 90, x = 0, y = 0, v = 5130



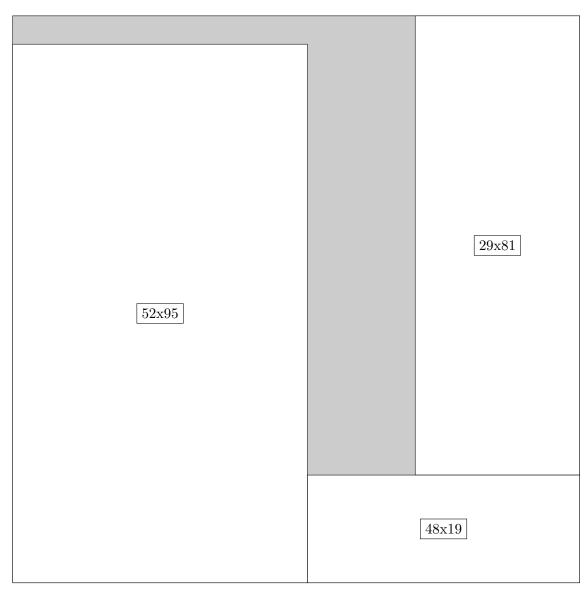
w = 75, h = 68, x = 0, y = 0, v = 5100



w = 60, h = 84, x = 0, y = 0, v = 5040



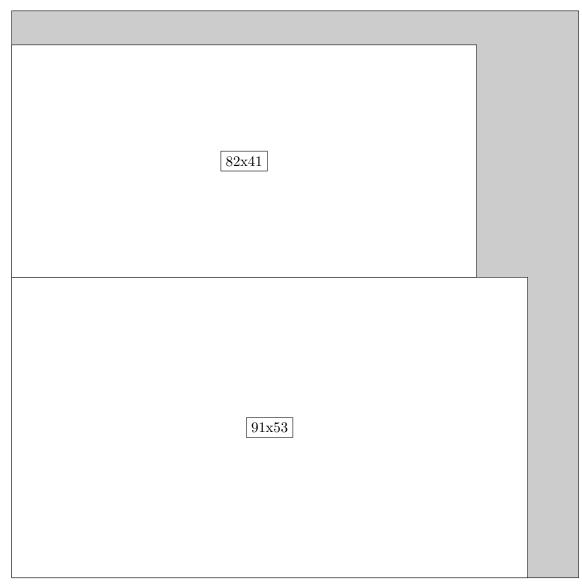
w = 80, h = 62, x = 0, y = 0, v = 4960

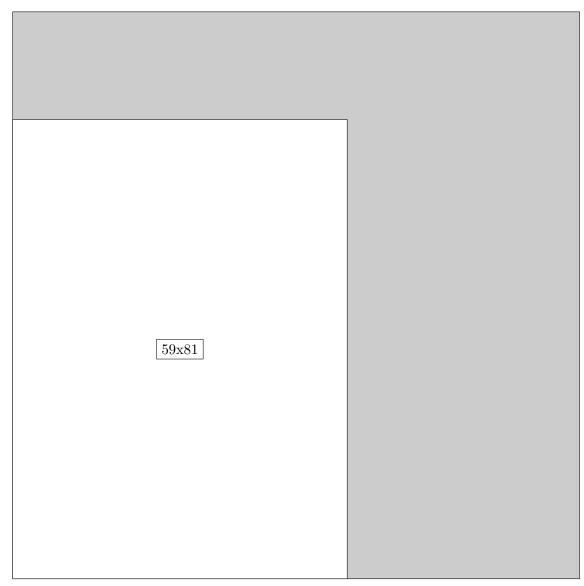


$$w = 52$$
, $h = 95$, $x = 0$, $y = 0$, $v = 4940$

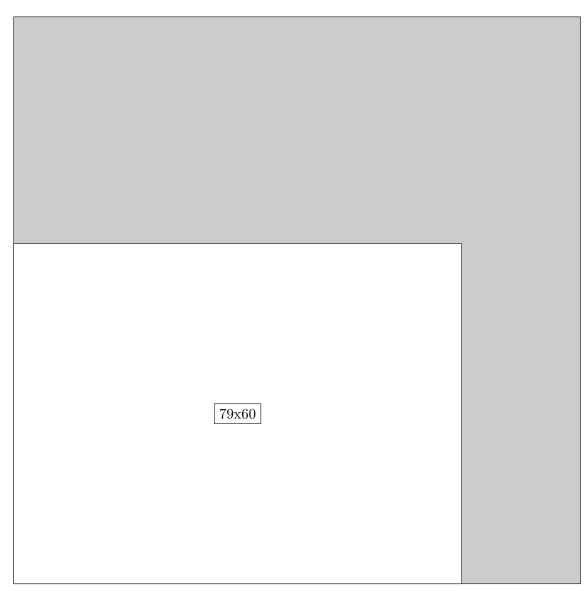
$$w$$
 =29 , h =81 , x =71 , y =19 , v =2349

$$\le =48$$
 , h =19 , x =52 , y =0 , v =912

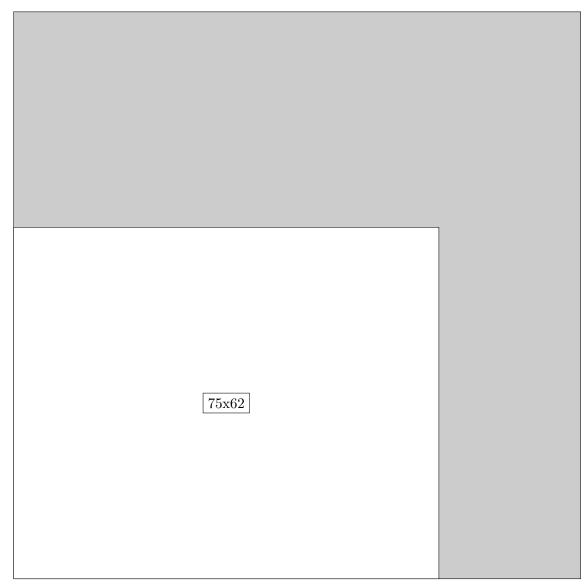




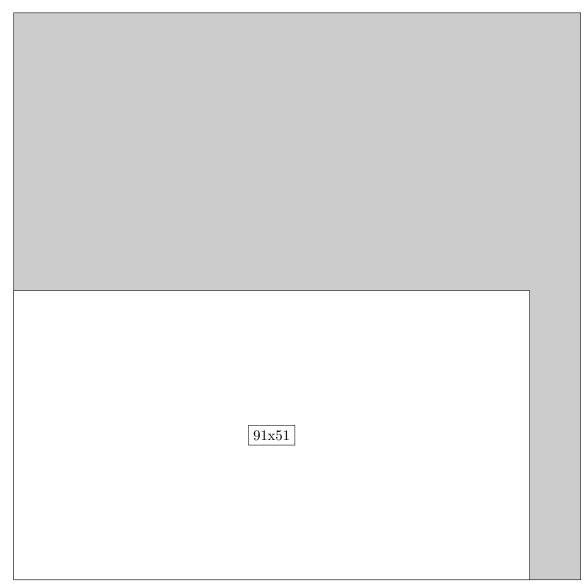
w = 59, h = 81, x = 0, y = 0, v = 4779



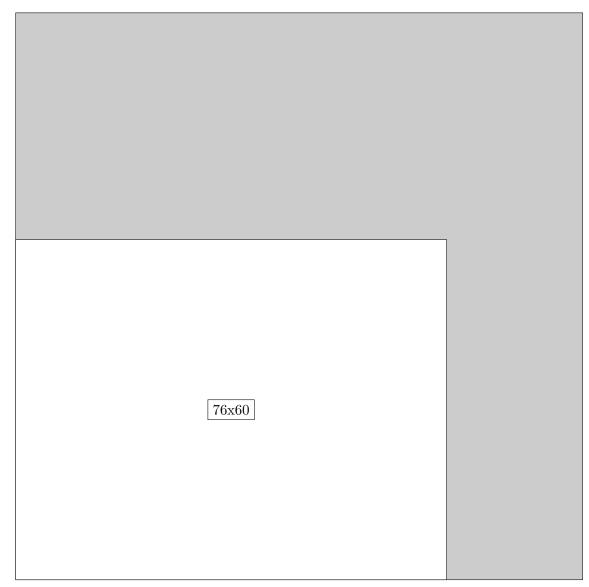
w = 79, h = 60, x = 0, y = 0, v = 4740



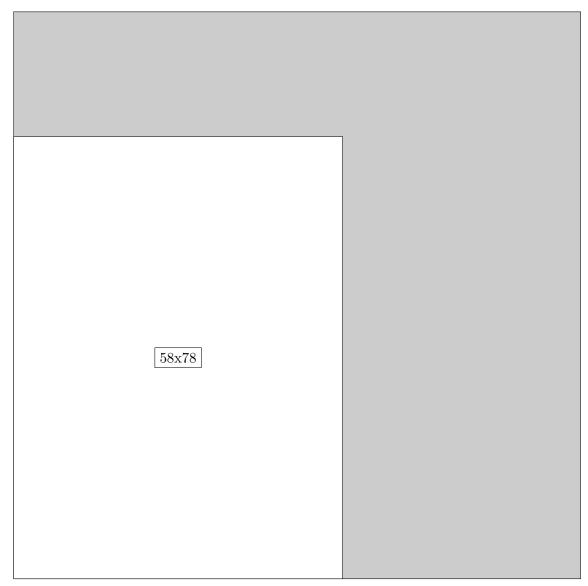
w = 75, h = 62, x = 0, y = 0, v = 4650



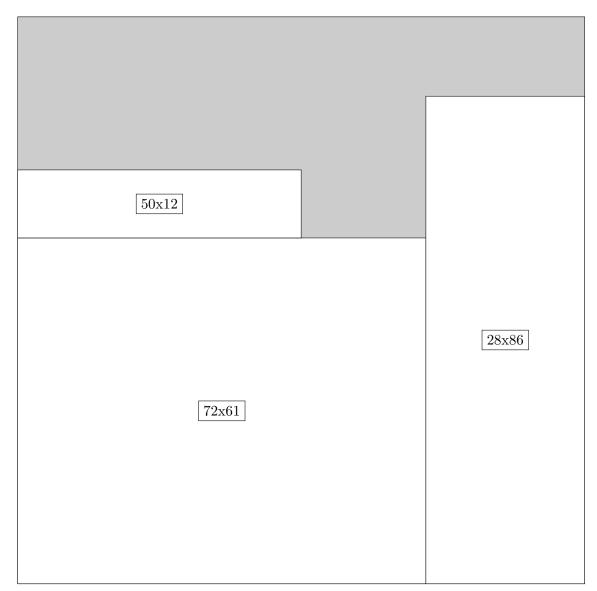
 $\le =91$, h =51 , x =0 , y =0 , v =4641



 $\overline{\mathbf{w}} = 76$, $\mathbf{h} = 60$, $\mathbf{x} = 0$, $\mathbf{y} = 0$, $\mathbf{v} = 4560$



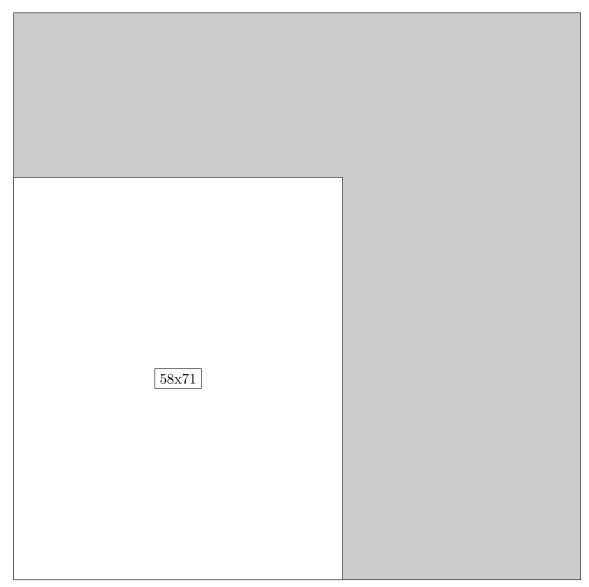
 $\mathbf{w}=\!58$, $\mathbf{h}=\!78$, $\mathbf{x}=\!0$, $\mathbf{y}=\!0$, $\mathbf{v}=\!4524$



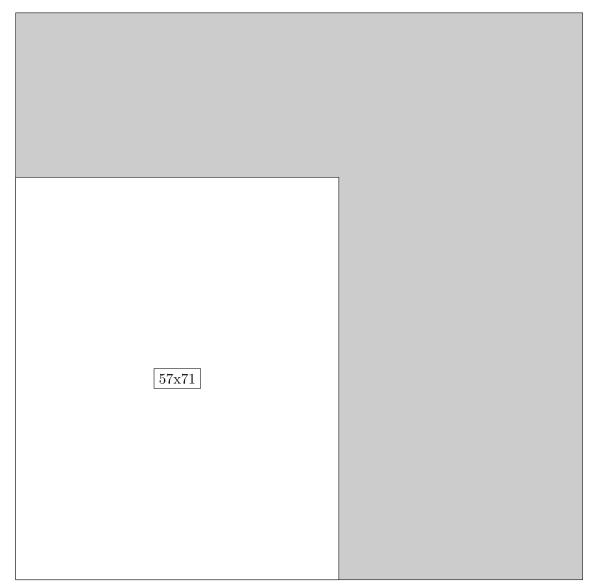
$$\mathbf{w}$$
 =72 , h =61 , x =0 , y =0 , v =4392

$$\le =28$$
 , h =86 , x =72 , y =0 , v =2408

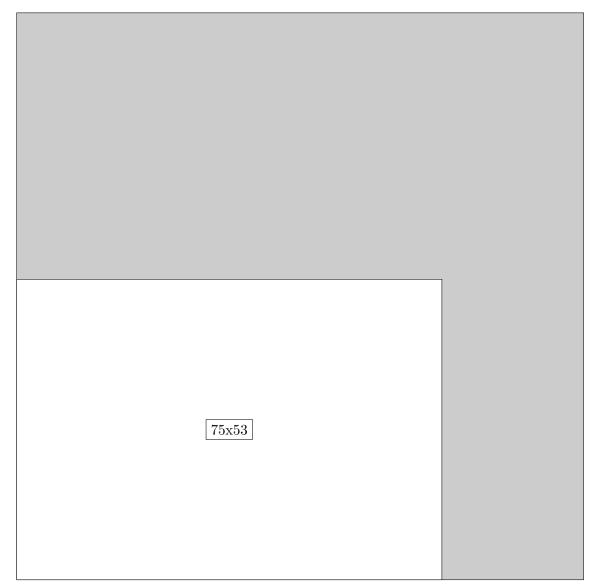
$$\le =50$$
 , h =12 , x =0 , y =61 , v =600



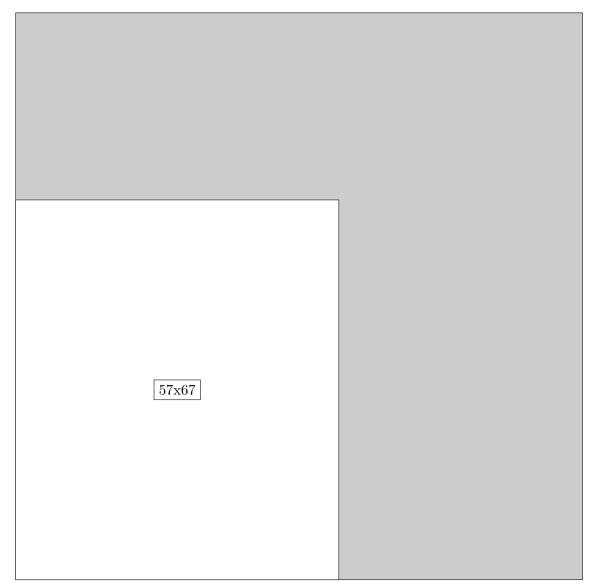
w = 58, h = 71, x = 0, y = 0, v = 4118



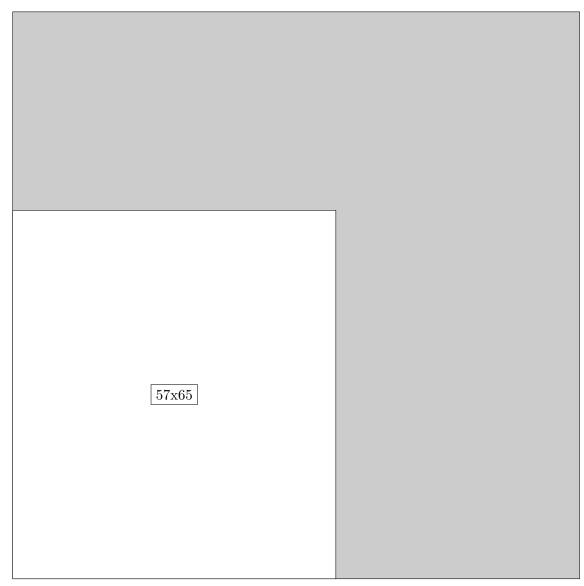
w = 57, h = 71, x = 0, y = 0, v = 4047



w = 75, h = 53, x = 0, y = 0, v = 3975



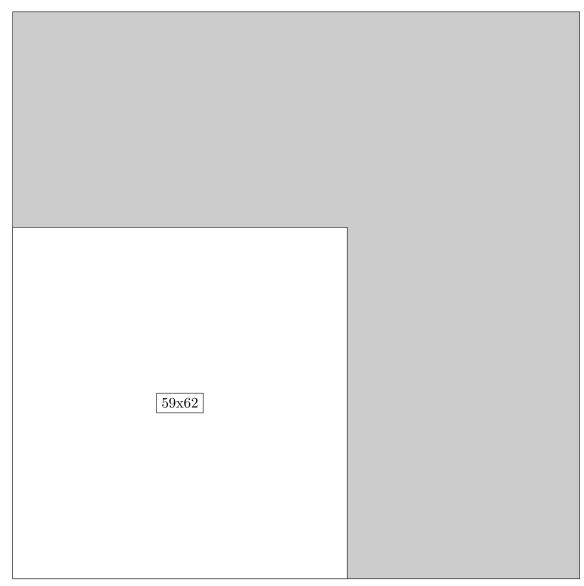
 $\overline{w} = 57$, h = 67, x = 0, y = 0, v = 3819



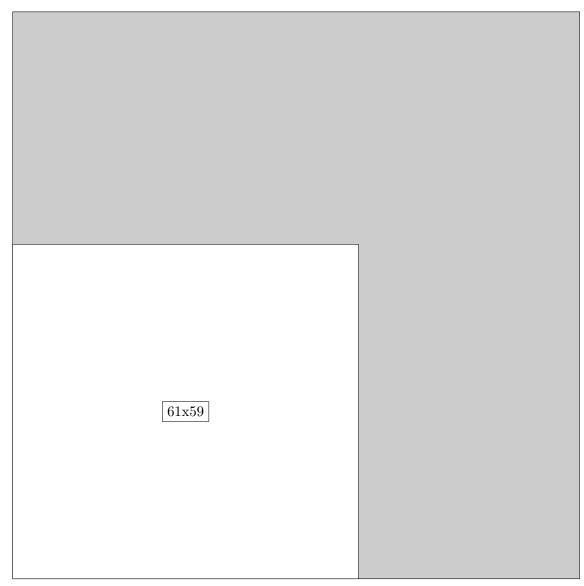
 $\overline{\rm w}$ =57 , h =65 , x =0 , y =0 , v =3705

	100x27
56x66	$\boxed{44\text{x}66}$

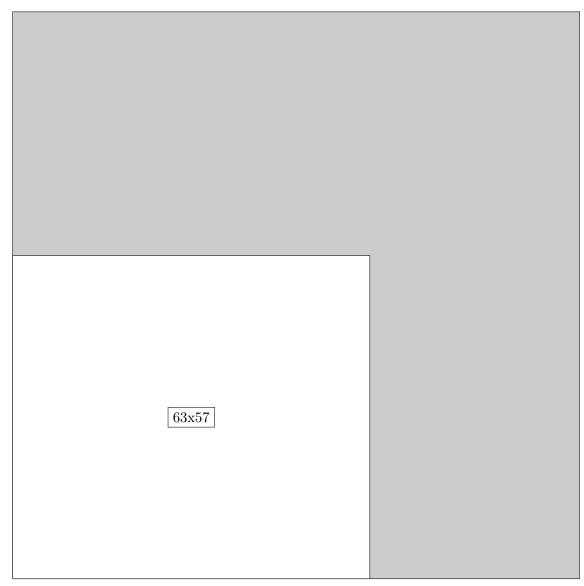
$$\begin{array}{l} w = \!\!56 \ , \ h = \!\!66 \ , \ x = \!\!0 \ , \ y = \!\!0 \ , \ v = \!\!3696 \\ w = \!\!44 \ , \ h = \!\!66 \ , \ x = \!\!56 \ , \ y = \!\!0 \ , \ v = \!\!2904 \\ w = \!\!100 \ , \ h = \!\!27 \ , \ x = \!\!0 \ , \ y = \!\!66 \ , \ v = \!\!2700 \end{array}$$



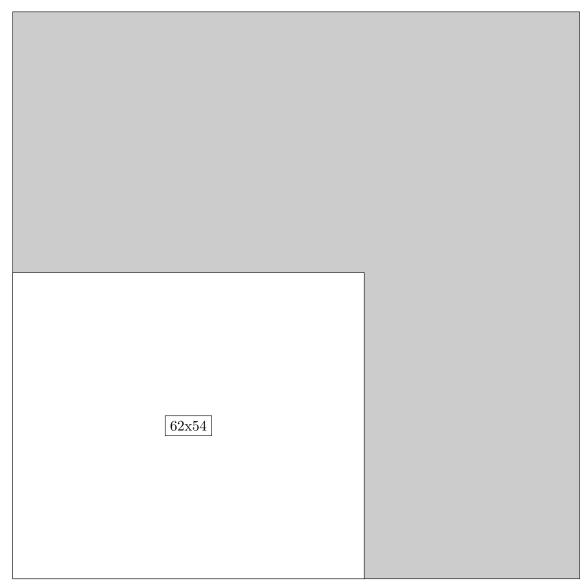
w = 59, h = 62, x = 0, y = 0, v = 3658



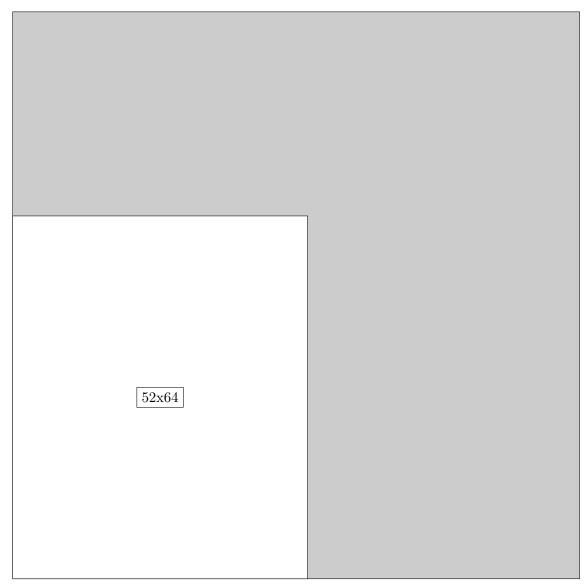
w = 61, h = 59, x = 0, y = 0, v = 3599



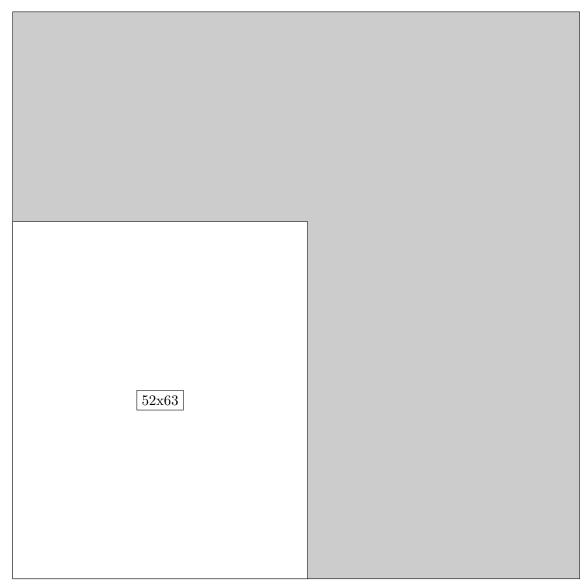
 $\overline{w} = 63$, h = 57, x = 0, y = 0, v = 3591



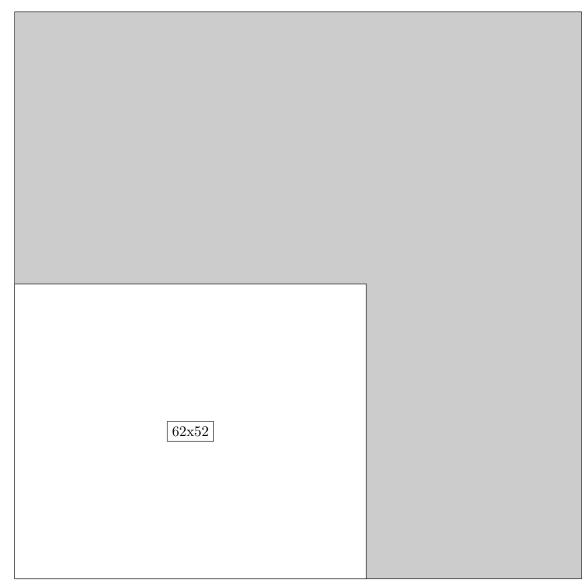
w = 62, h = 54, x = 0, y = 0, v = 3348



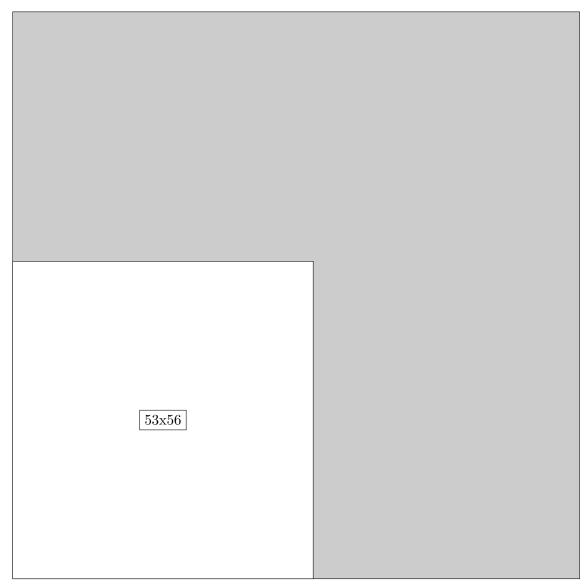
w = 52, h = 64, x = 0, y = 0, v = 3328



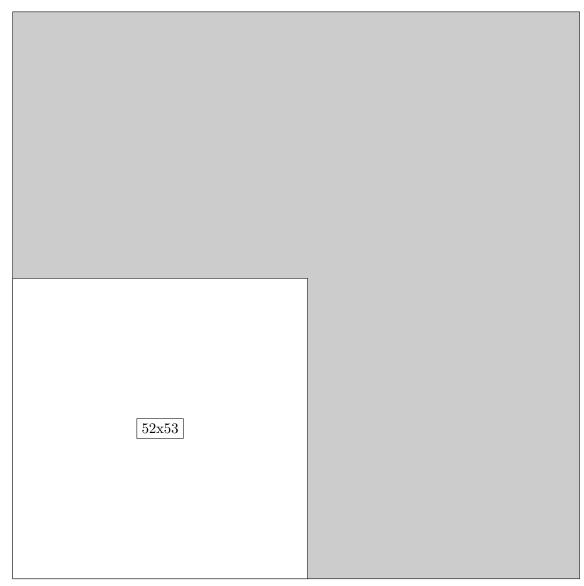
w = 52, h = 63, x = 0, y = 0, v = 3276



 $\le =62$, h =52 , x =0 , y =0 , v =3224



w = 53, h = 56, x = 0, y = 0, v = 2968



 \mathbf{w} =52 , h =53 , x =0 , y =0 , v =2756

