$ClassName: \ Class\_09.2bp-40$ 

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

TypeNum: <u>100</u> Num: <u>100</u> OutS: <u>710000</u> InS: <u>453661</u> Rate: <u>0.639</u> UB: <u>71</u>

UB: <u>71</u> LB0: <u>71</u> LB: **71** 

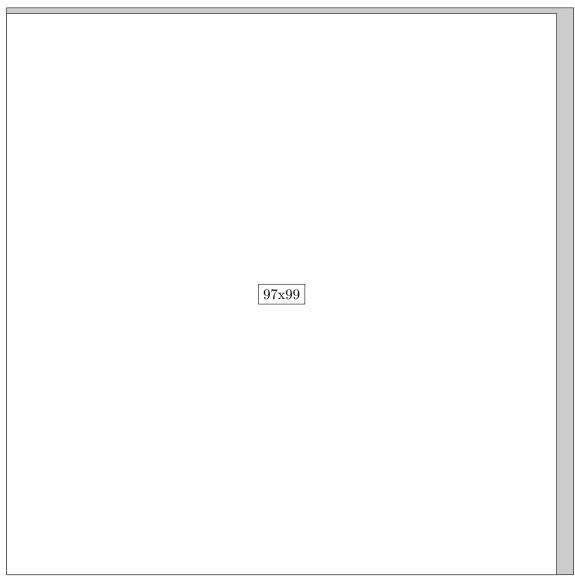
LBWithCut:  $\underline{\mathbf{71}}$ NodeCut:  $\underline{\mathbf{0}}$ 

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

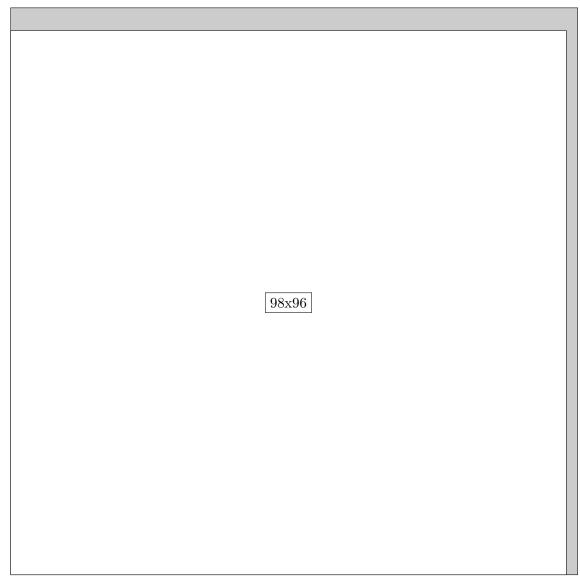
GenNodeCnt:  $\underline{\mathbf{1}}$ PrimalNode:  $\underline{\mathbf{0}}$ ColumnCount:  $\underline{\mathbf{71}}$ TotalCutCount:  $\underline{\mathbf{0}}$ RootCutCount:  $\underline{\mathbf{0}}$ LPSolverCnt:  $\underline{\mathbf{1}}$ PricingSolverCnt:  $\underline{\mathbf{0}}$ BranchAndBoundNum:  $\underline{\mathbf{1}}$ 

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

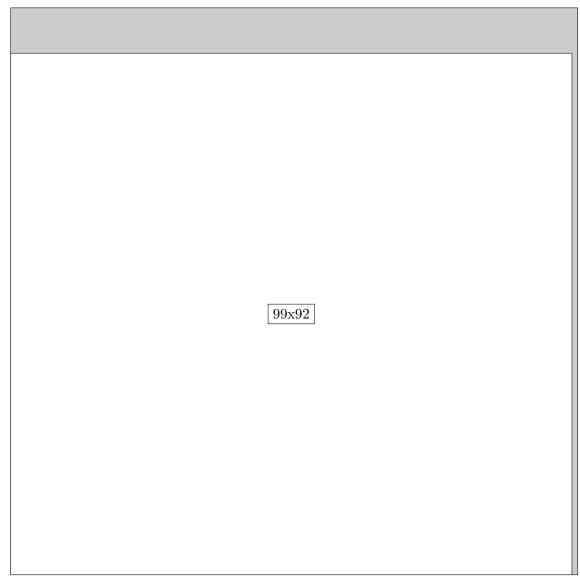
 $\begin{array}{ll} {\rm TimeOnInitSolution:} \ \underline{0.060 \ s} \\ {\rm TimeOnPrimal:} \ \underline{0.000 \ s} \\ {\rm TimeOnPricing:} \ \underline{0.000 \ s} \\ {\rm TimeOnRmp:} \ \underline{0.079 \ s} \\ {\rm TotalTime:} \ \underline{0.201 \ s} \\ \end{array}$ 



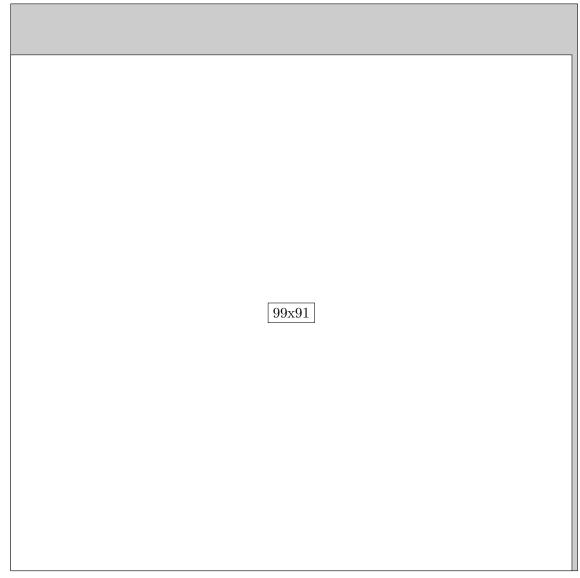
 $\le =97$  , h =99 , x =0 , y =0 , v =9603



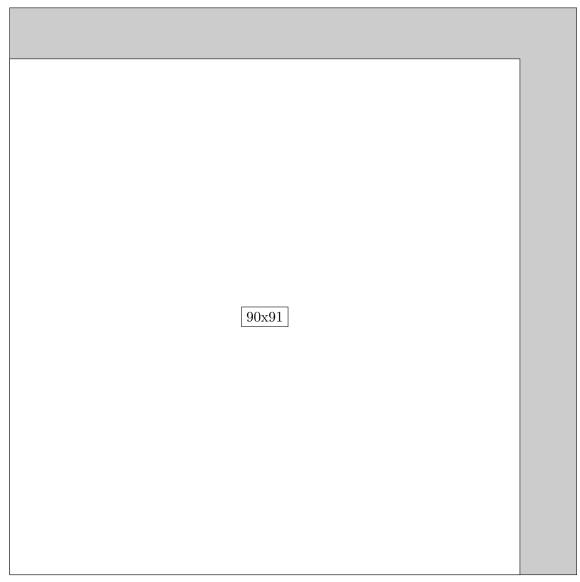
 $\overline{\rm w}$  =98 , h =96 , x =0 , y =0 , v =9408



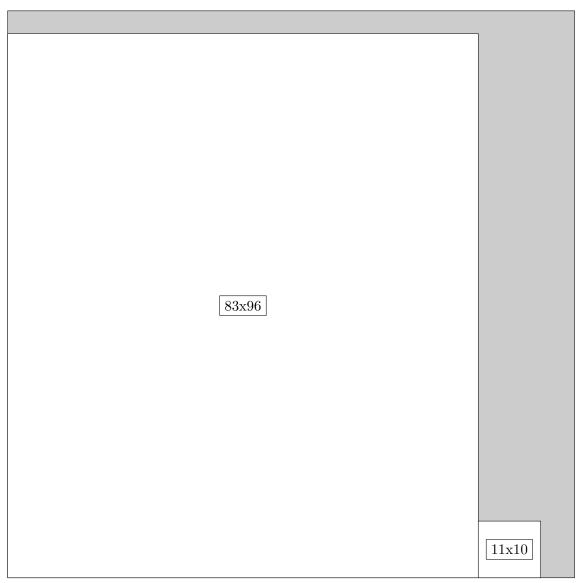
w = 99, h = 92, x = 0, y = 0, v = 9108

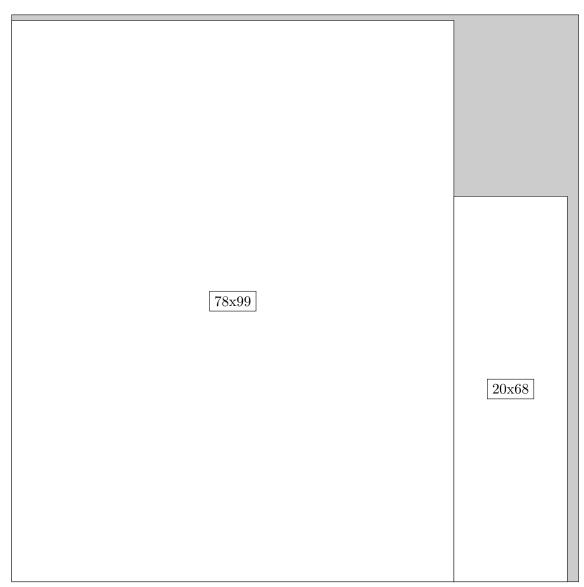


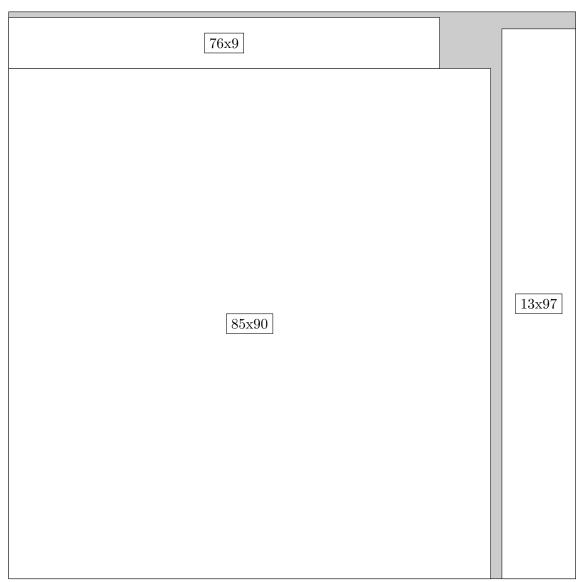
 $\overline{w} = 99$ , h = 91, x = 0, y = 0, v = 9009



 $\overline{\mathbf{w}} = 90$ ,  $\mathbf{h} = 91$ ,  $\mathbf{x} = 0$ ,  $\mathbf{y} = 0$ ,  $\mathbf{v} = 8190$ 



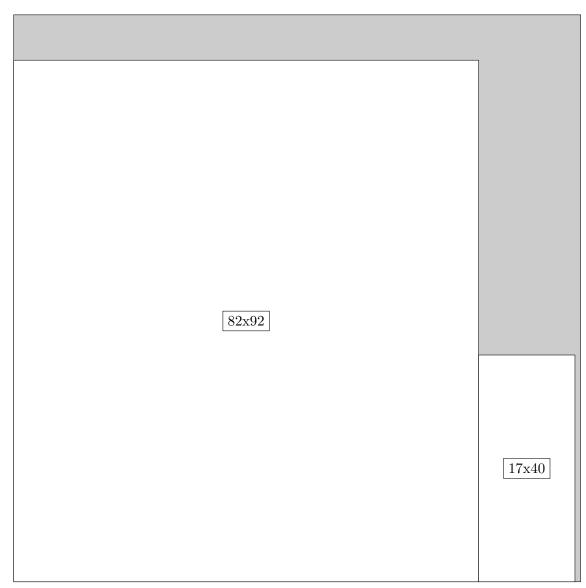


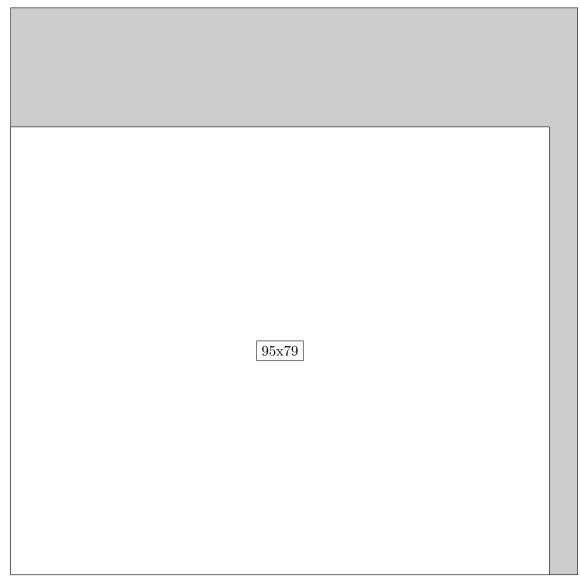


$$\le =85$$
 , h =90 , x =0 , y =0 , v =7650

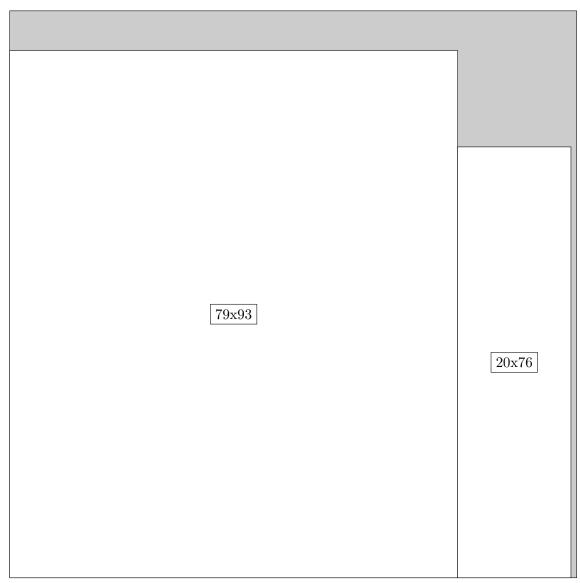
$$\le =13$$
 ,  $h=97$  ,  $x=87$  ,  $y=0$  ,  $v=1261$ 

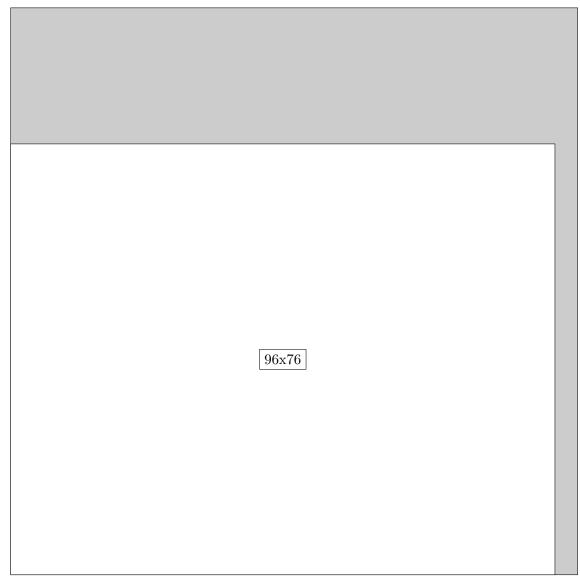
$$\mathbf{w}$$
 =76 , h =9 , x =0 , y =90 , v =684



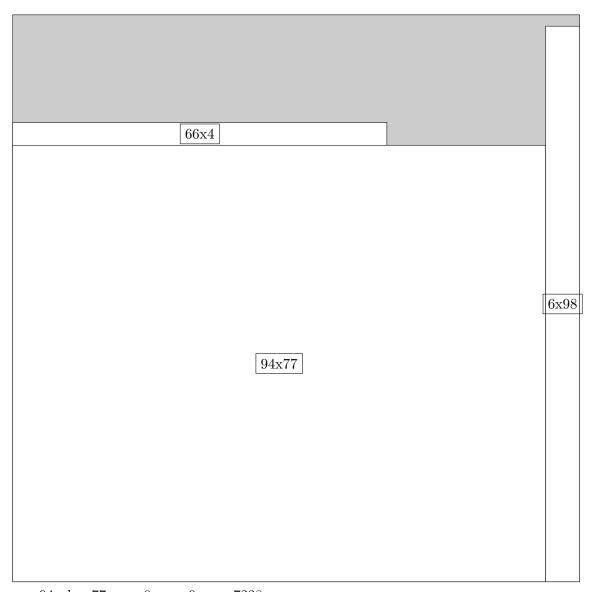


w = 95, h = 79, x = 0, y = 0, v = 7505

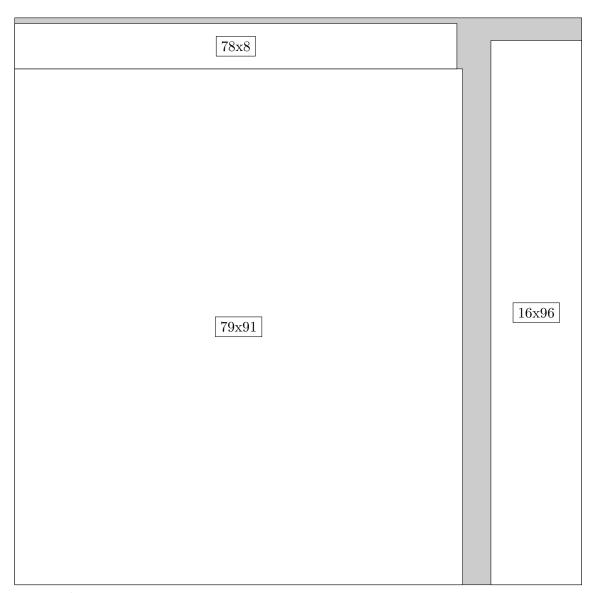




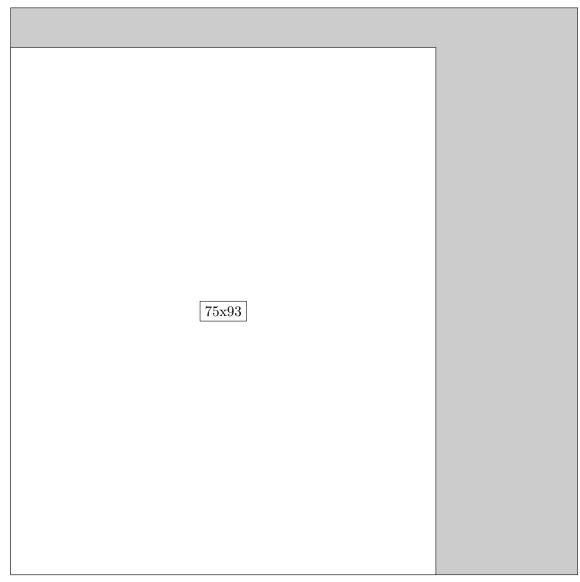
 $\le =96$  , h =76 , x =0 , y =0 , v =7296



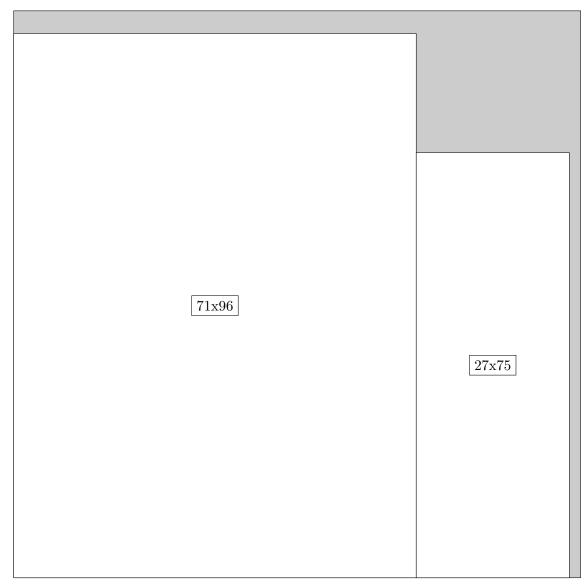
$$\begin{array}{l} w = \! 94 \; , \; h = \! 77 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 7238 \\ w = \! 6 \; , \; h = \! 98 \; , \; x = \! 94 \; , \; y = \! 0 \; , \; v = \! 588 \\ w = \! 66 \; , \; h = \! 4 \; , \; x = \! 0 \; , \; y = \! 77 \; , \; v = \! 264 \end{array}$$



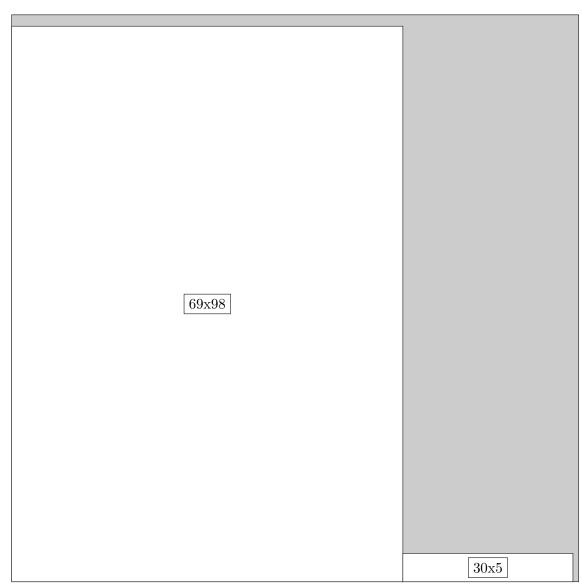
 $\begin{array}{l} w = 79 \ , \ h = 91 \ , \ x = 0 \ , \ y = 0 \ , \ v = 7189 \\ w = 16 \ , \ h = 96 \ , \ x = 84 \ , \ y = 0 \ , \ v = 1536 \\ w = 78 \ , \ h = 8 \ , \ x = 0 \ , \ y = 91 \ , \ v = 624 \end{array}$ 

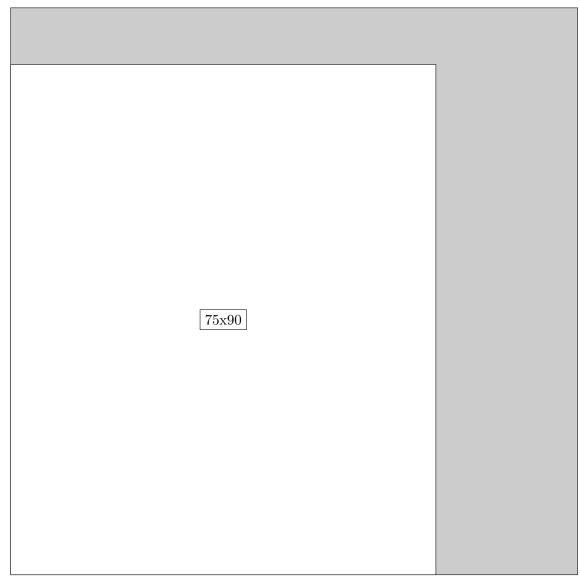


w = 75, h = 93, x = 0, y = 0, v = 6975

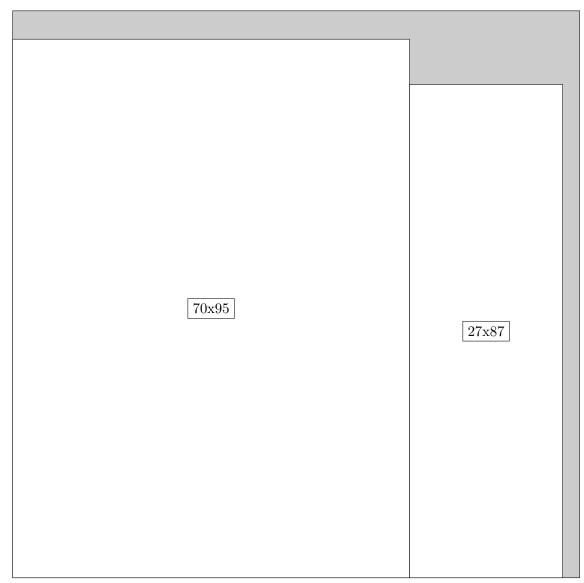


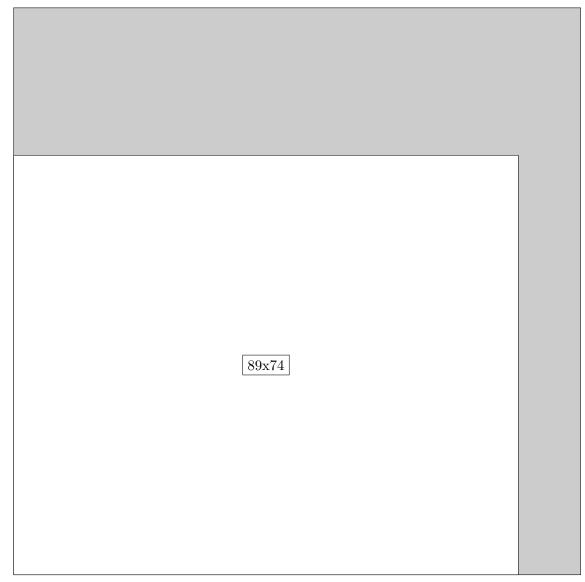
$$\begin{array}{c} w = \!\!\! 71 \ , \ h = \!\!\! 96 \ , \ x = \!\!\! 0 \ , \ y = \!\!\! 0 \ , \ v = \!\!\! 6816 \\ w = \!\!\! 27 \ , \ h = \!\!\! 75 \ , \ x = \!\!\! 71 \ , \ y = \!\!\! 0 \ , \ v = \!\!\! 2025 \\ \end{array}$$



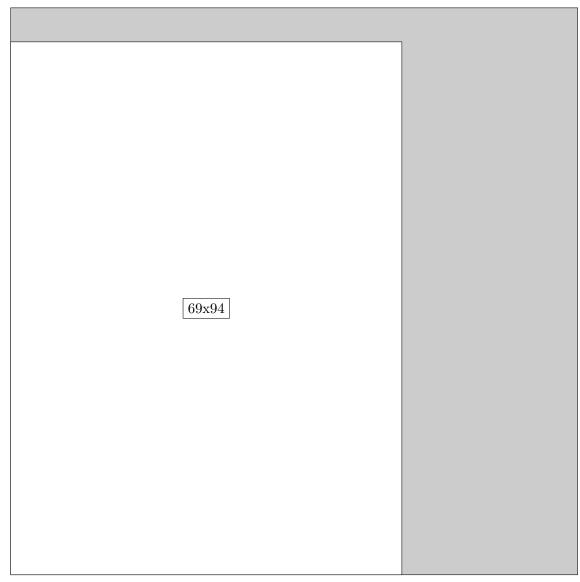


w = 75, h = 90, x = 0, y = 0, v = 6750

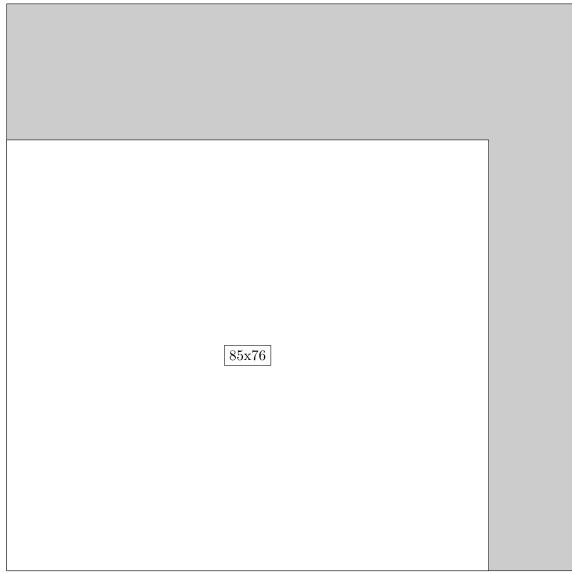




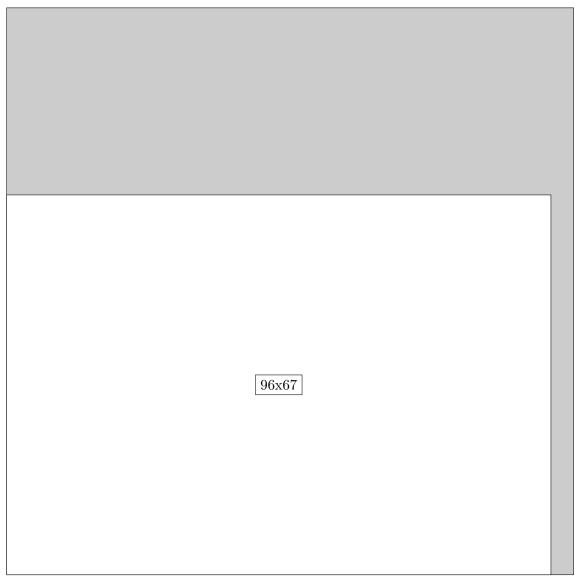
 $\le 89$  , h =74 , x =0 , y =0 , v =6586



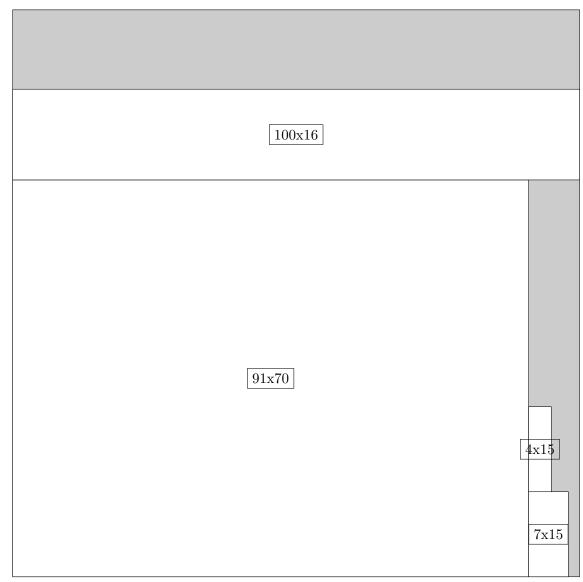
w = 69, h = 94, x = 0, y = 0, v = 6486



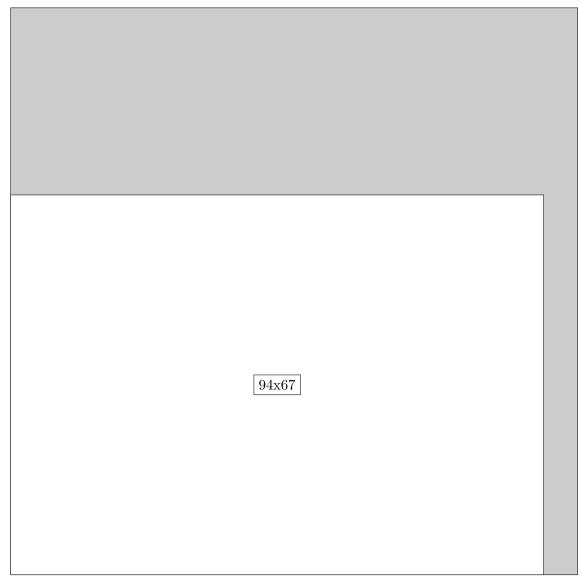
w = 85, h = 76, x = 0, y = 0, v = 6460



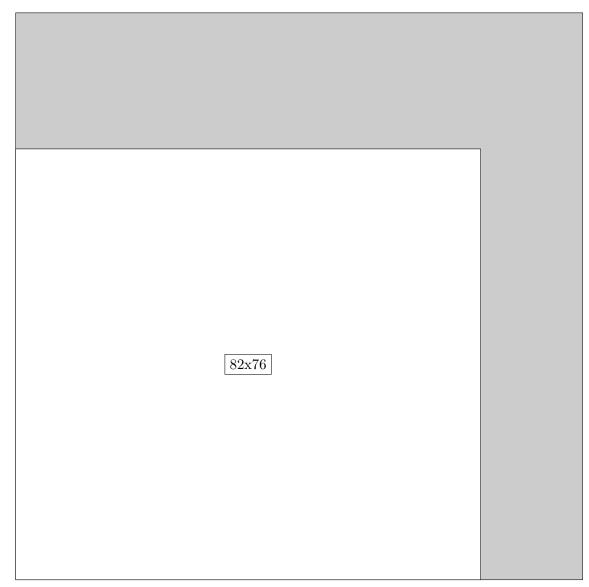
 $\le =96$  , h =67 , x =0 , y =0 , v =6432



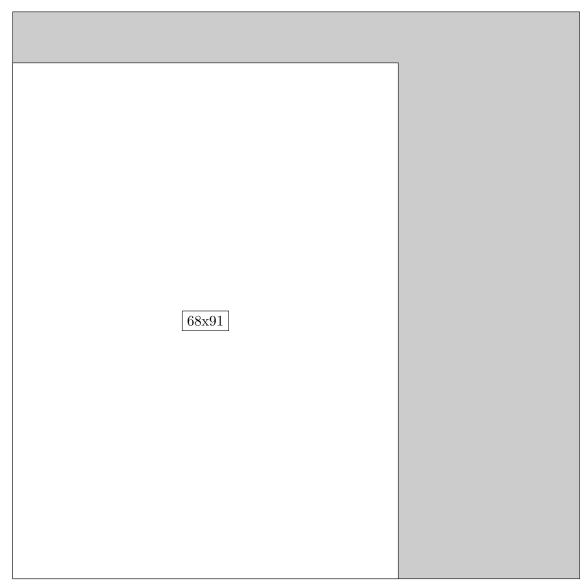
$$\begin{array}{l} w = \! 91 \ , \ h = \! 70 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 6370 \\ w = \! 100 \ , \ h = \! 16 \ , \ x = \! 0 \ , \ y = \! 70 \ , \ v = \! 1600 \\ w = \! 7 \ , \ h = \! 15 \ , \ x = \! 91 \ , \ y = \! 0 \ , \ v = \! 105 \\ w = \! 4 \ , \ h = \! 15 \ , \ x = \! 91 \ , \ y = \! 15 \ , \ v = \! 60 \end{array}$$



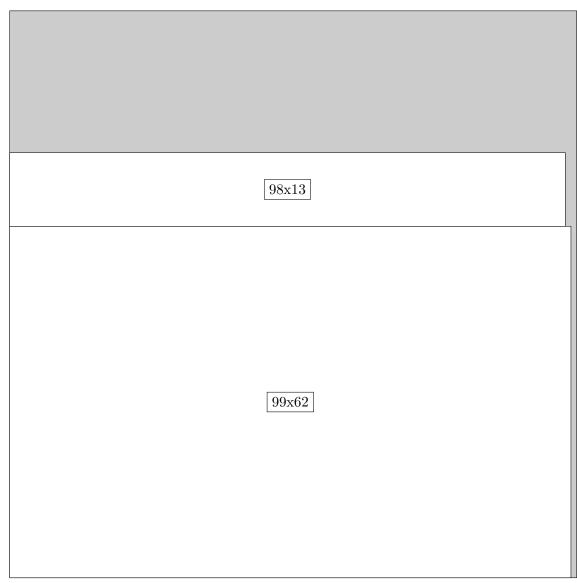
 $\le =94$  , h =67 , x =0 , y =0 , v =6298

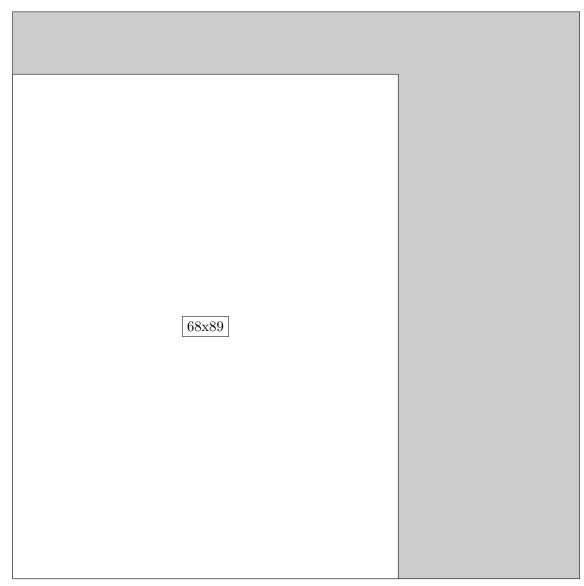


 $\le =82$  , h =76 , x =0 , y =0 , v =6232

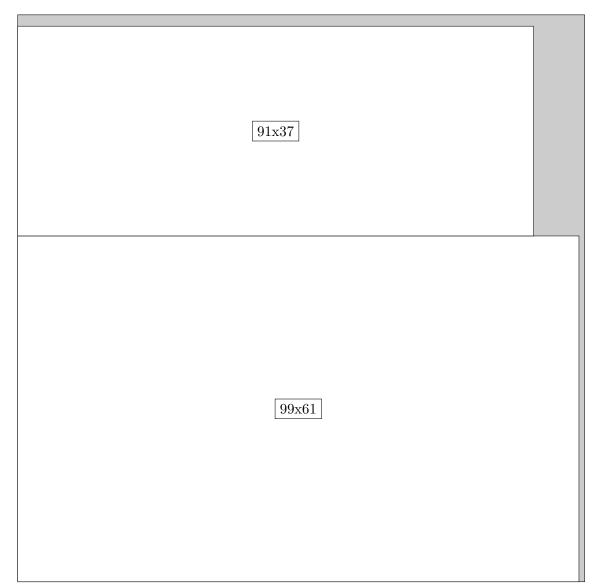


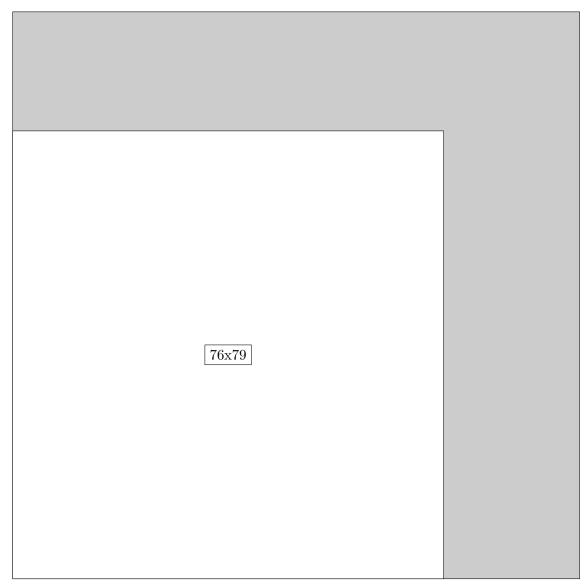
w = 68, h = 91, x = 0, y = 0, v = 6188



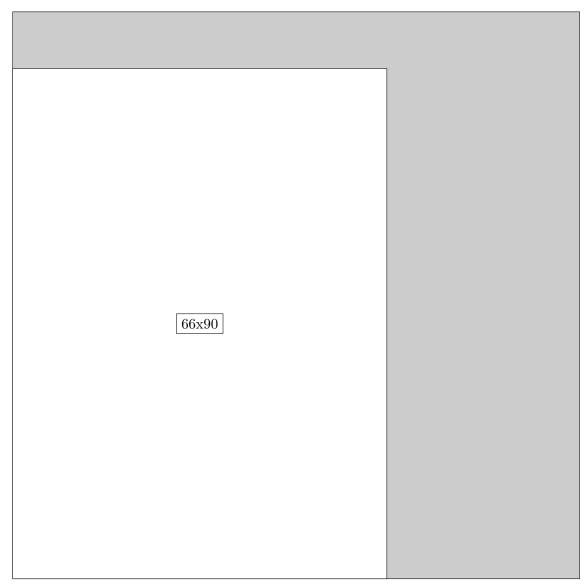


 $\le =68$  , h =89 , x =0 , y =0 , v =6052

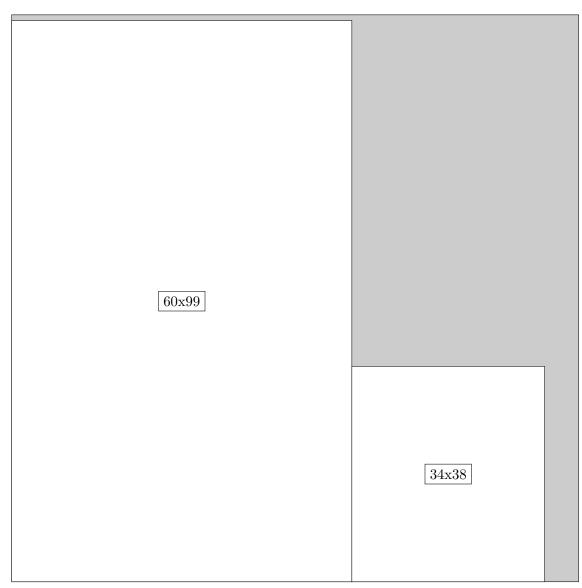




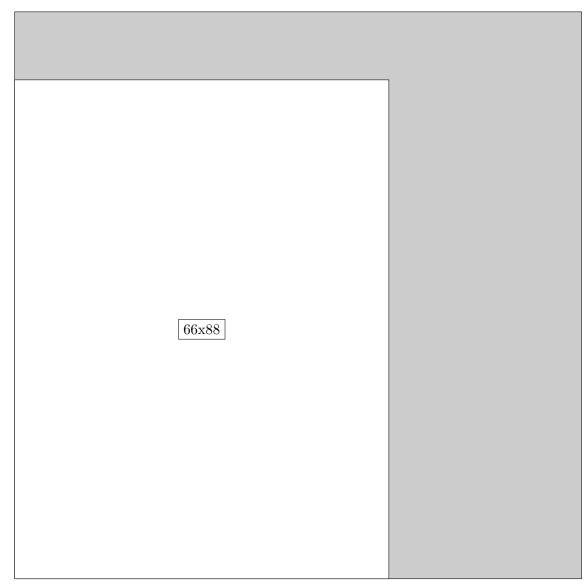
w = 76, h = 79, x = 0, y = 0, v = 6004



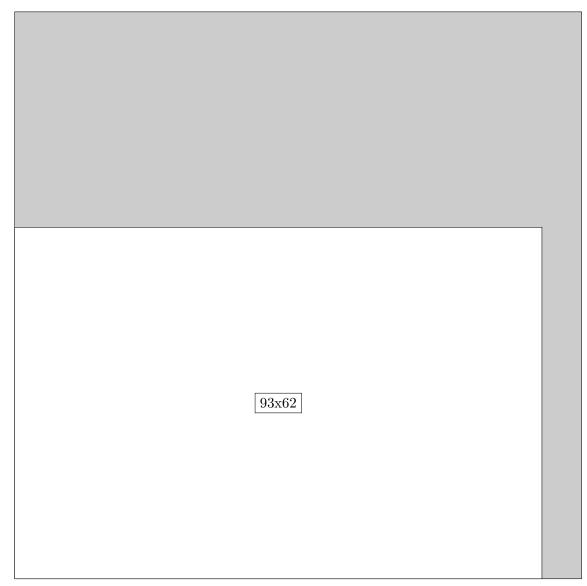
 $\overline{\mathbf{w}} = 66$ ,  $\mathbf{h} = 90$ ,  $\mathbf{x} = 0$ ,  $\mathbf{y} = 0$ ,  $\mathbf{v} = 5940$ 



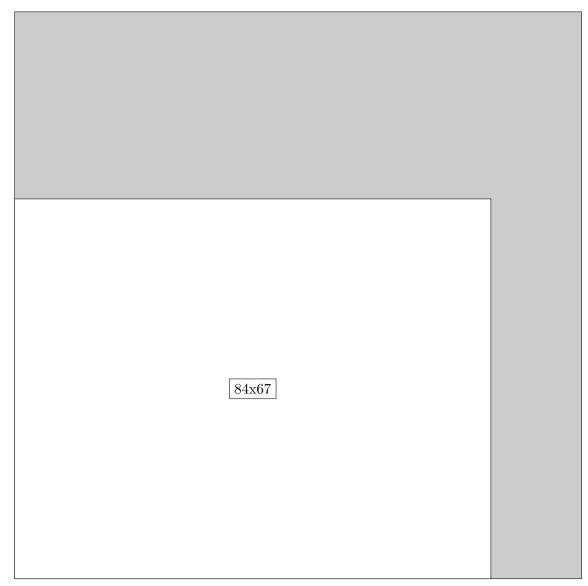
$$\begin{array}{c} w = \!\! 60 \; , \; h = \!\! 99 \; , \; x = \!\! 0 \; , \; y = \!\! 0 \; , \; v = \!\! 5940 \\ w = \!\! 34 \; , \; h = \!\! 38 \; , \; x = \!\! 60 \; , \; y = \!\! 0 \; , \; v = \!\! 1292 \end{array}$$



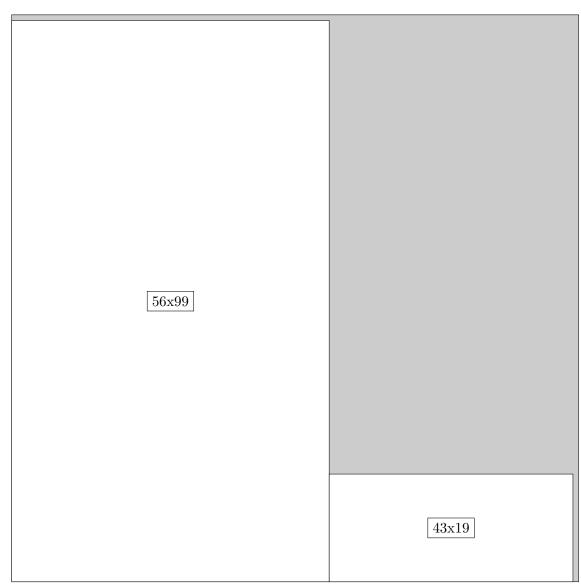
w = 66, h = 88, x = 0, y = 0, v = 5808

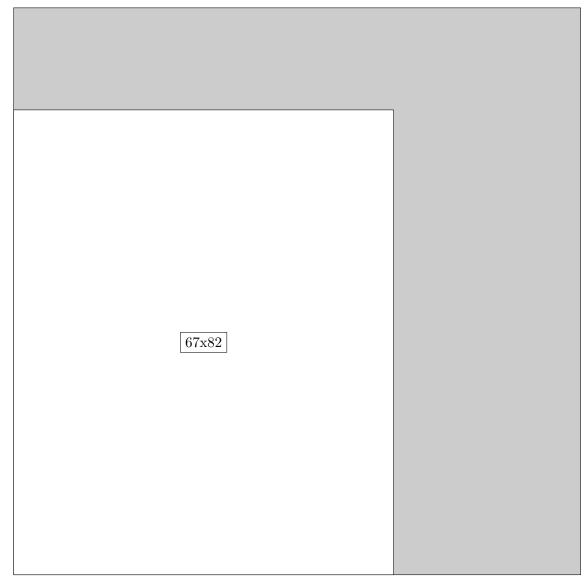


 $\overline{\rm w}$  =93 , h =62 , x =0 , y =0 , v =5766

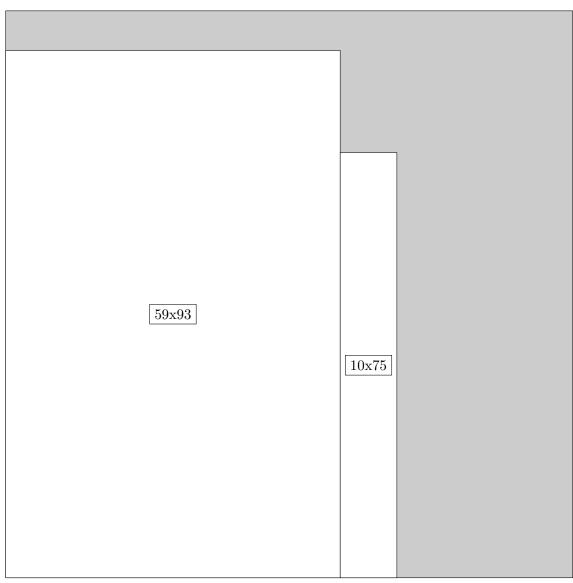


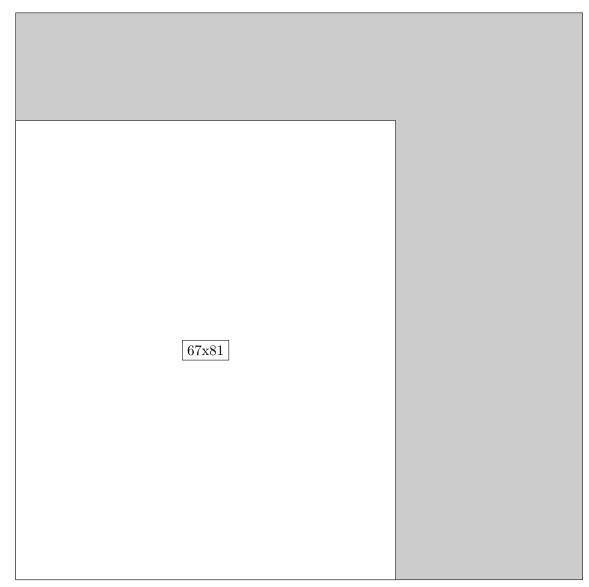
 $\le =84$  , h =67 , x =0 , y =0 , v = 5628



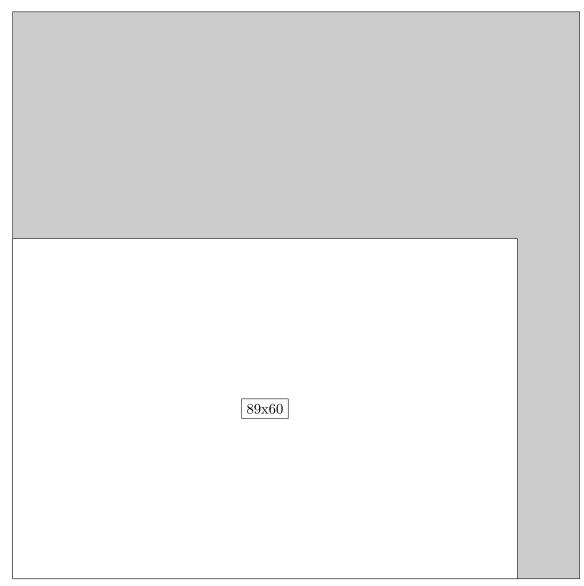


 $\mathbf{w}$  =67 , h =82 , x =0 , y =0 , v =5494

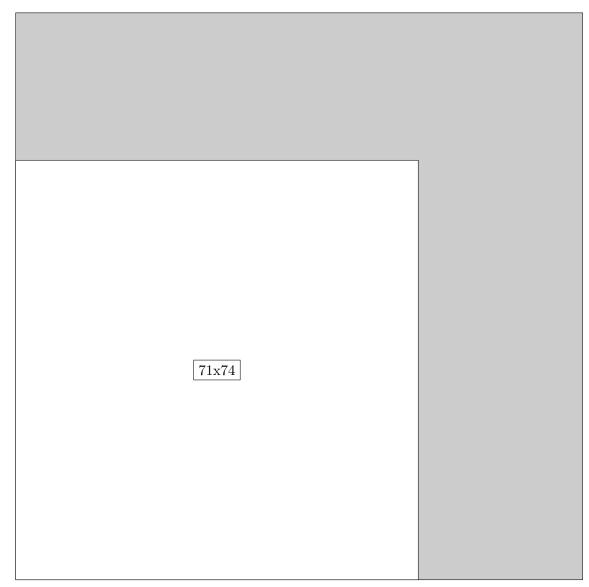




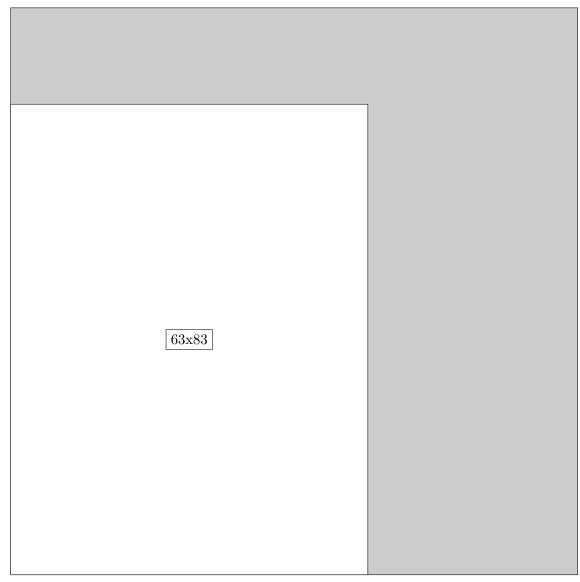
 $\le =67$  , h =81 , x =0 , y =0 , v = 5427



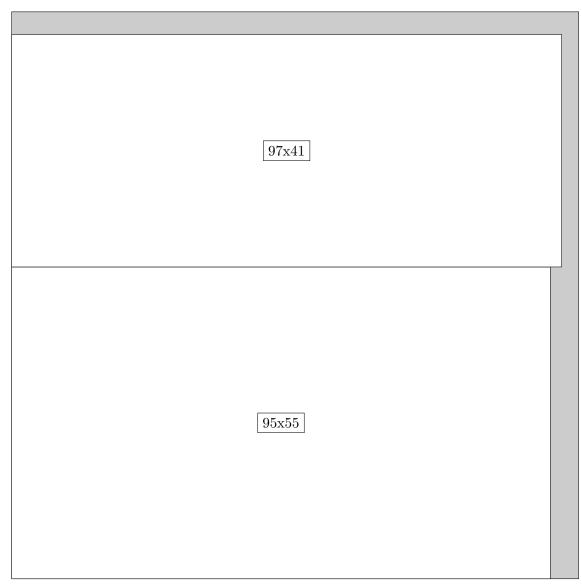
 $\le =89$  , h =60 , x =0 , y =0 , v =5340

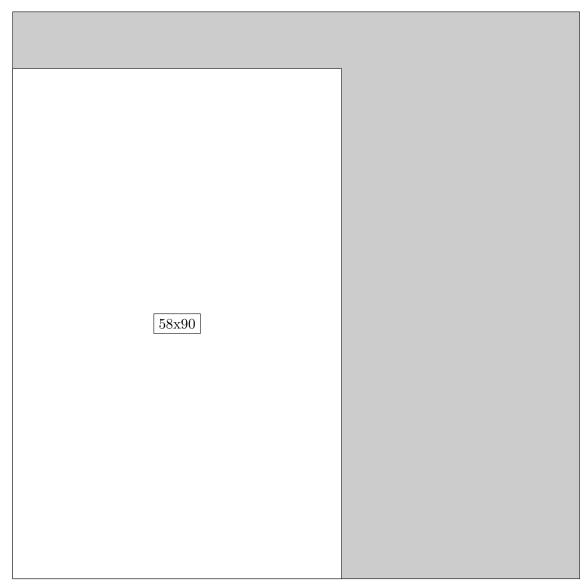


 $\mathbf{w}$  =71 , h =74 , x =0 , y =0 , v =5254



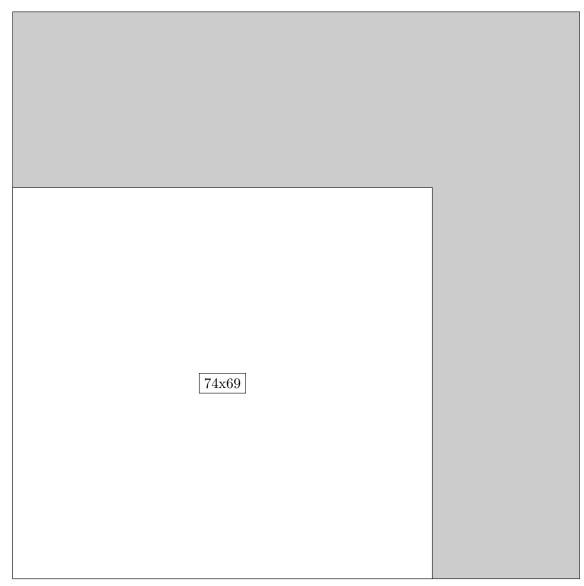
w = 63, h = 83, x = 0, y = 0, v = 5229



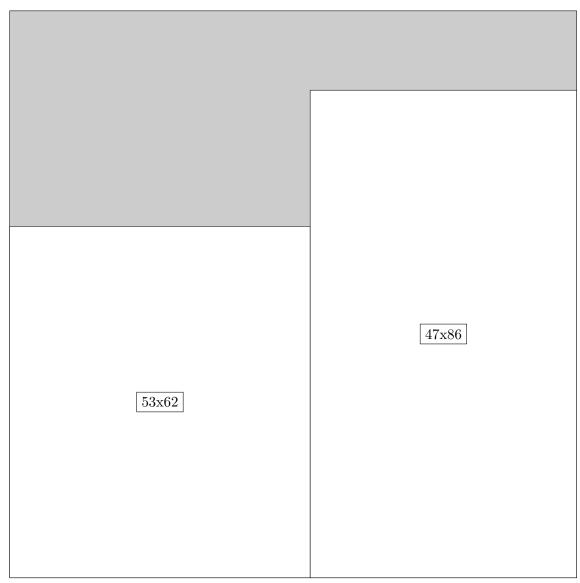


 $\le -58$  , h =90 , x =0 , y =0 , v =5220

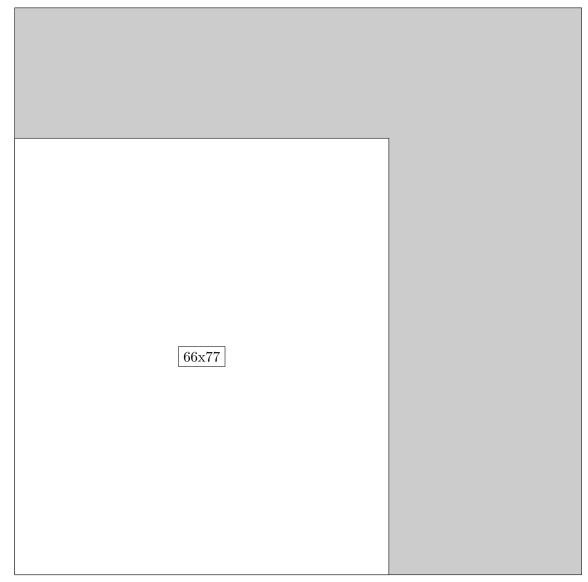




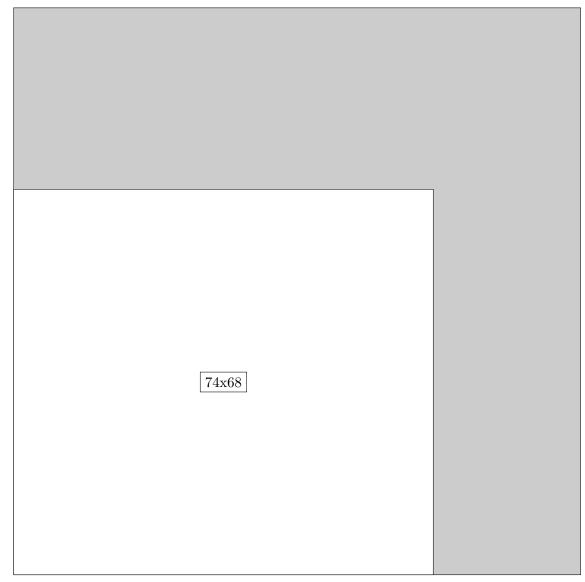
w = 74, h = 69, x = 0, y = 0, v = 5106



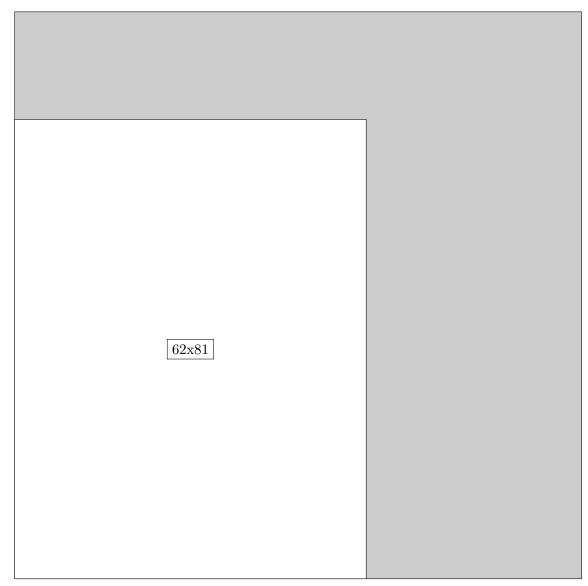
$$\begin{array}{c} w = \!\! 53 \; , \; h = \!\! 62 \; , \; x = \!\! 0 \; , \; y = \!\! 0 \; , \; v = \!\! 3286 \\ w = \!\! 47 \; , \; h = \!\! 86 \; , \; x = \!\! 53 \; , \; y = \!\! 0 \; , \; v = \!\! 4042 \end{array}$$



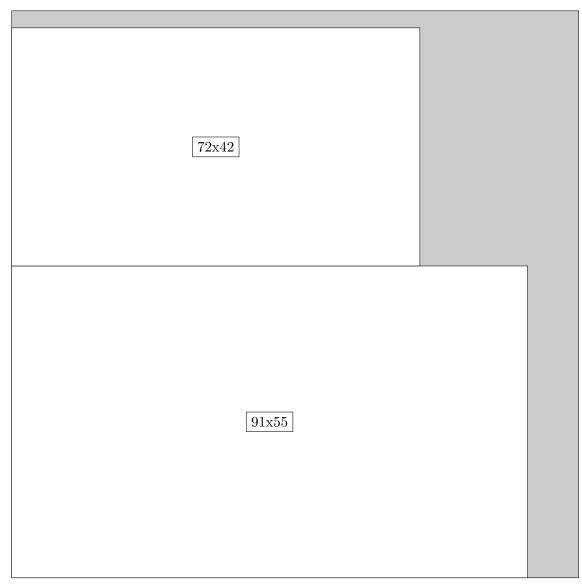
w = 66, h = 77, x = 0, y = 0, v = 5082



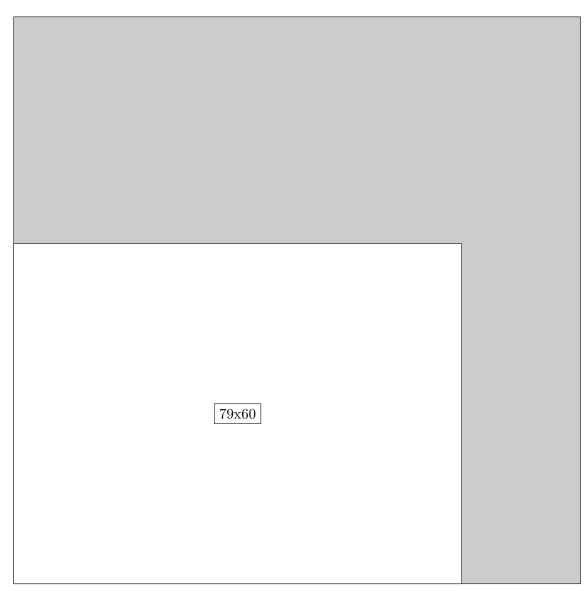
w = 74, h = 68, x = 0, y = 0, v = 5032



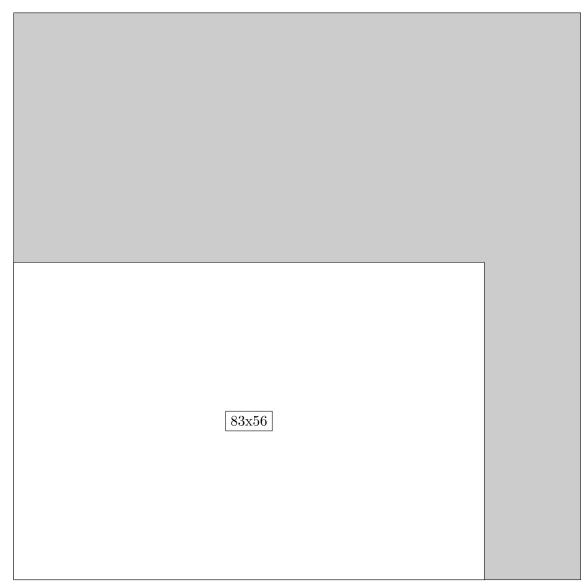
 $\le =62$  , h =81 , x =0 , y =0 , v = 5022



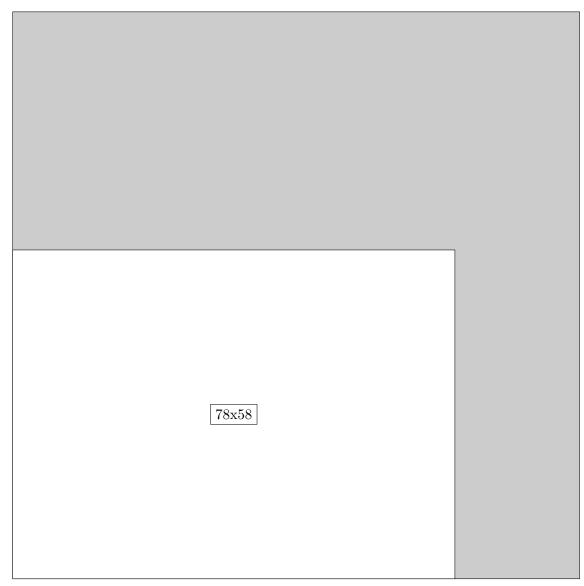
$$\begin{array}{c} w = 91 \ , \ h = \!\! 55 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 5005 \\ w = \!\! 72 \ , \ h = \!\! 42 \ , \ x = \!\! 0 \ , \ y = \!\! 55 \ , \ v = \!\! 3024 \\ \end{array}$$



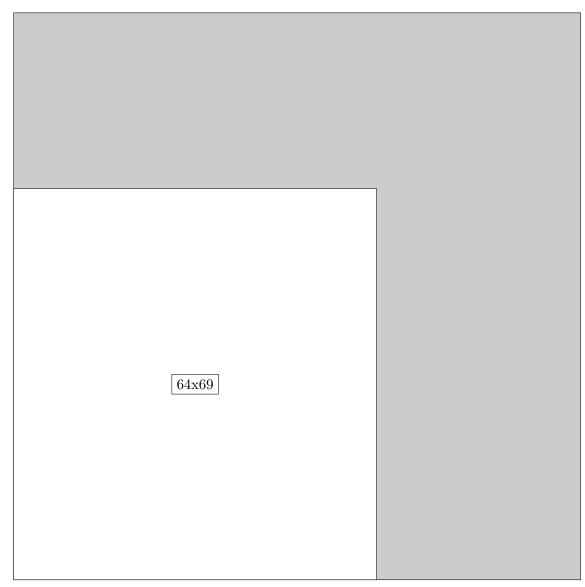
w = 79, h = 60, x = 0, y = 0, v = 4740



 $\le =83$  , h = 56 , x =0 , y = 0 , v = 4648



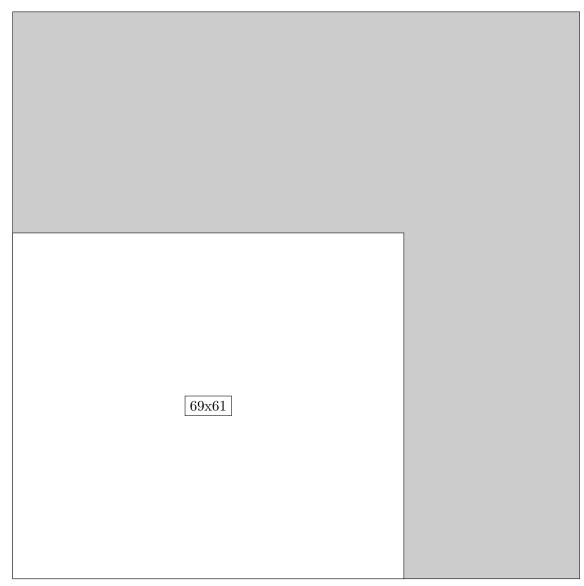
w = 78, h = 58, x = 0, y = 0, v = 4524



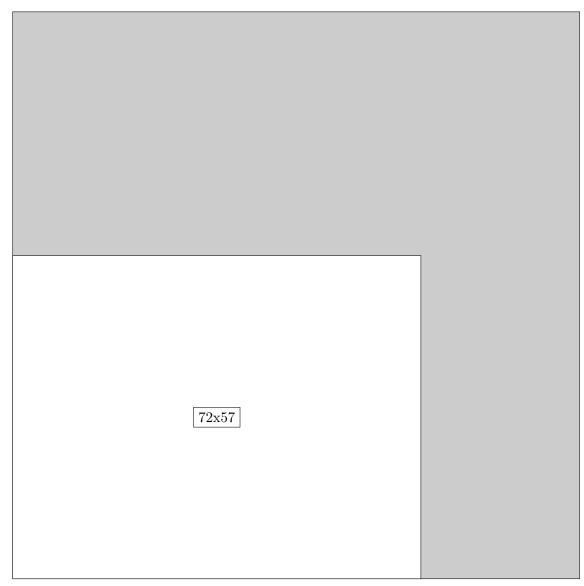
w = 64, h = 69, x = 0, y = 0, v = 4416



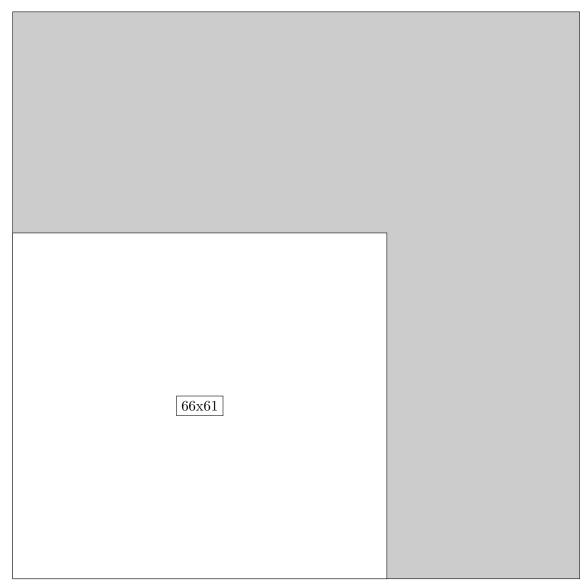
$$\begin{array}{c} w = \! 82 \; , \; h = \! 52 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 4264 \\ w = \! 73 \; , \; h = \! 48 \; , \; x = \! 0 \; , \; y = \! 52 \; , \; v = \! 3504 \\ \end{array}$$



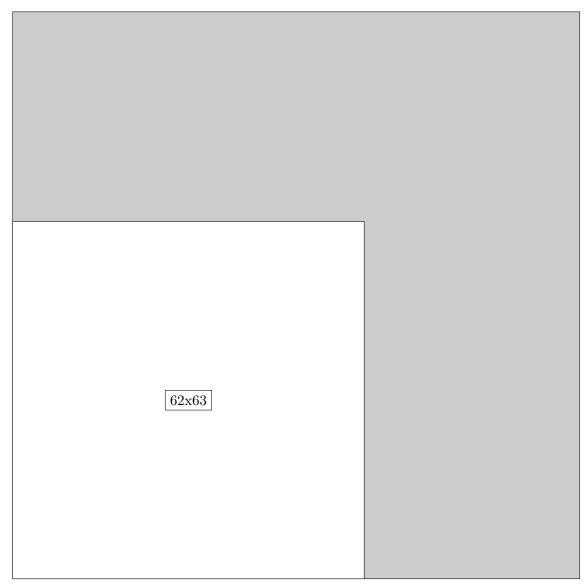
w = 69, h = 61, x = 0, y = 0, v = 4209



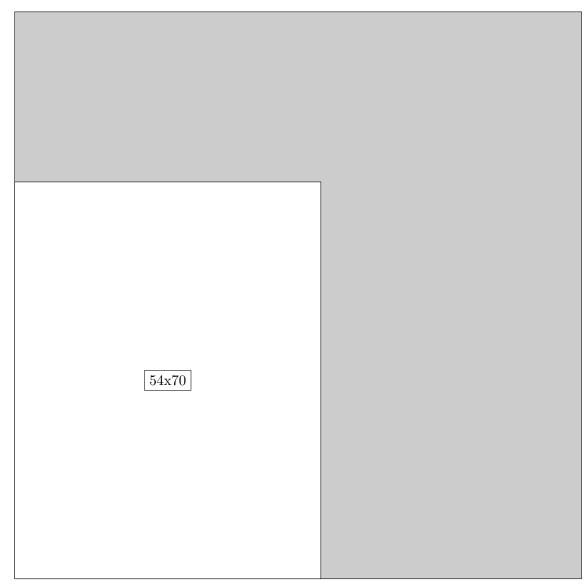
 $\le =72$  , h =57 , x =0 , y =0 , v =4104



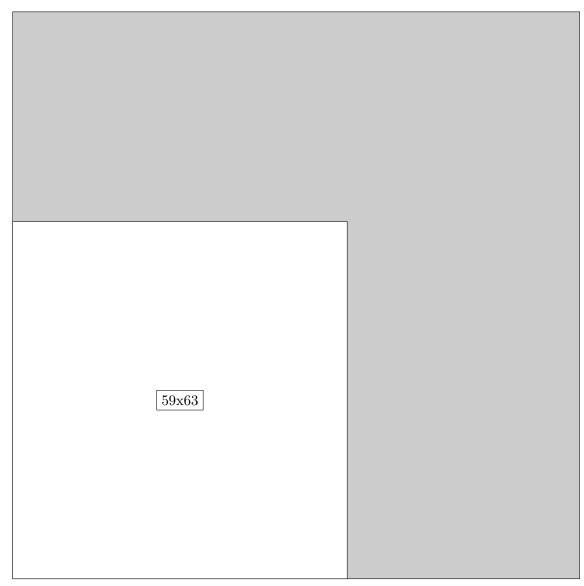
w = 66, h = 61, x = 0, y = 0, v = 4026



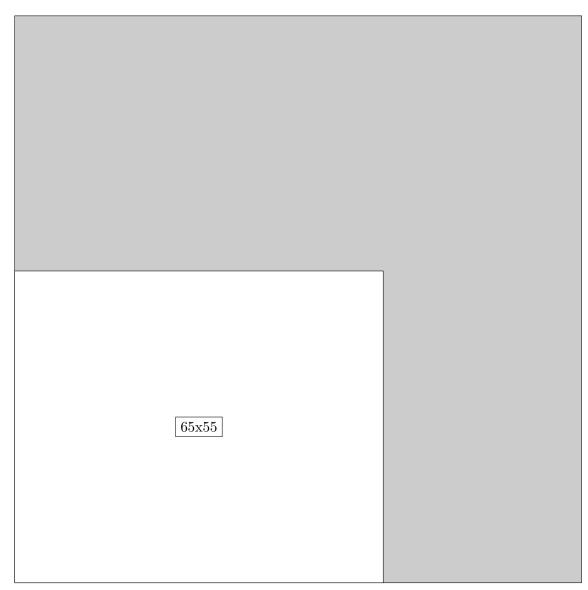
 $\overline{\mathbf{w}} = 62$ ,  $\mathbf{h} = 63$ ,  $\mathbf{x} = 0$ ,  $\mathbf{y} = 0$ ,  $\mathbf{v} = 3906$ 



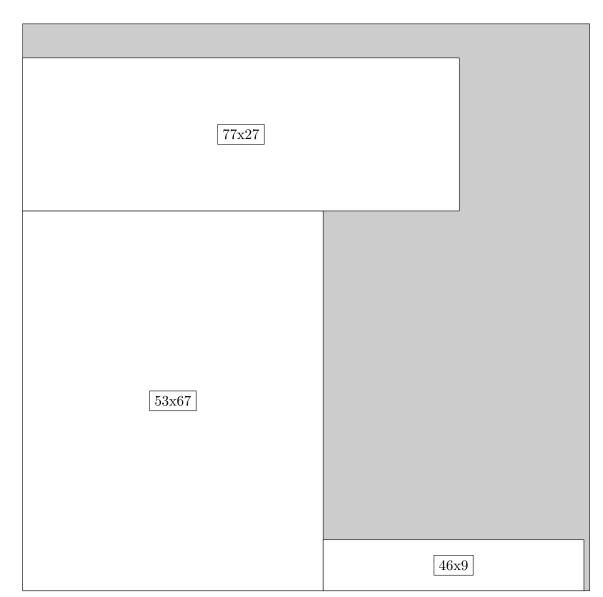
w = 54, h = 70, x = 0, y = 0, v = 3780



w = 59, h = 63, x = 0, y = 0, v = 3717



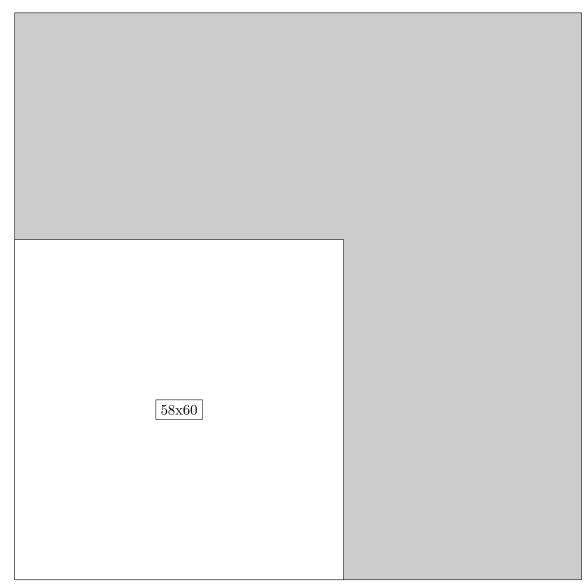
w = 65, h = 55, x = 0, y = 0, v = 3575



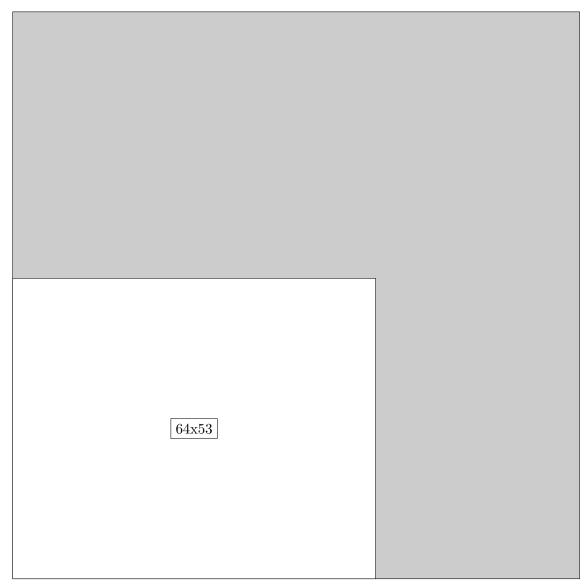
$$w = 53$$
,  $h = 67$ ,  $x = 0$ ,  $y = 0$ ,  $v = 3551$ 

$$w$$
 =77 ,  $h$  =27 ,  $x$  =0 ,  $y$  =67 ,  $v$  =2079

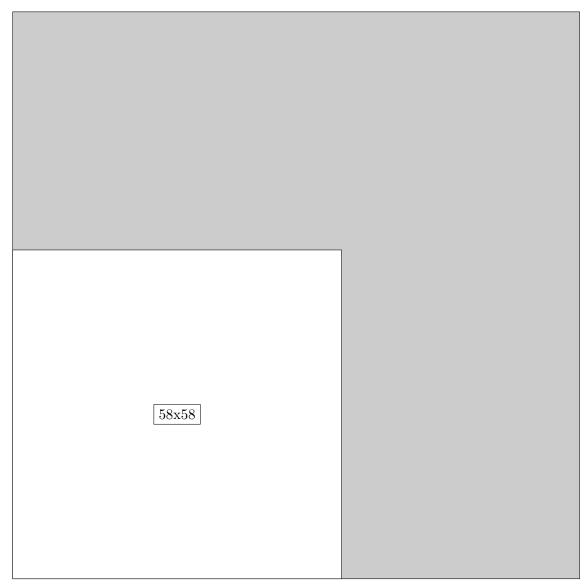
$$\le =46$$
 , h =9 , x =53 , y =0 , v =414



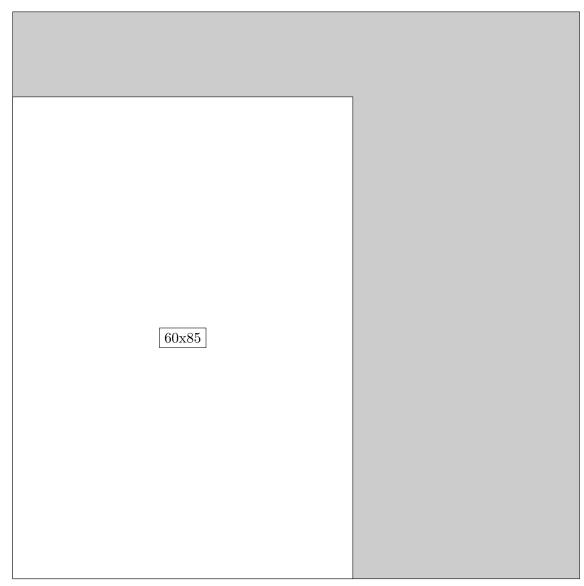
w = 58, h = 60, x = 0, y = 0, v = 3480



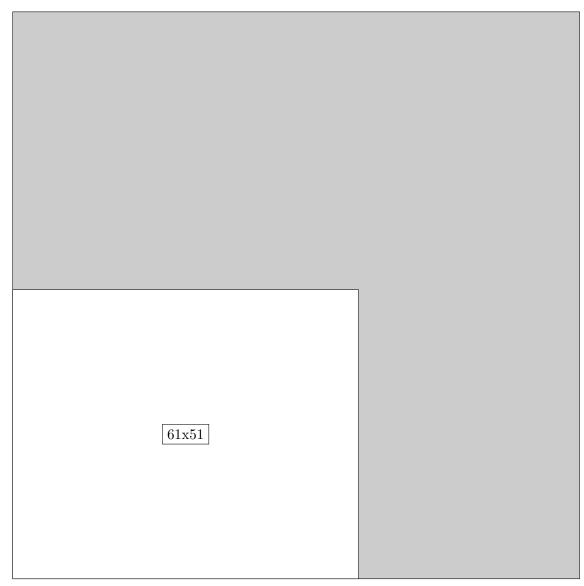
w = 64, h = 53, x = 0, y = 0, v = 3392



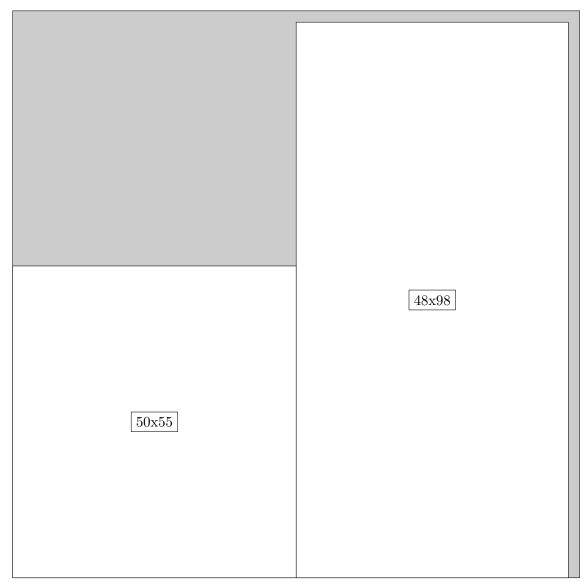
 $\le =58$  , h =58 , x =0 , y =0 , v =3364



 $\overline{w} = 60$ , h = 85, x = 0, y = 0, v = 5100



w = 61, h = 51, x = 0, y = 0, v = 31111



$$\begin{array}{l} w = \! 48 \ , \ h = \! 98 \ , \ x = \! 50 \ , \ y = \! 0 \ , \ v = \! 4704 \\ w = \! 50 \ , \ h = \! 55 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 2750 \end{array}$$