$ClassName: \ Class\_09.2bp-27$ 

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

TypeNum: <u>60</u> Num: <u>60</u> OutS: <u>470000</u> InS: <u>279413</u> Rate: <u>0.594</u> UB: <u>47</u>

LB0: <u>47</u> LB: **47** 

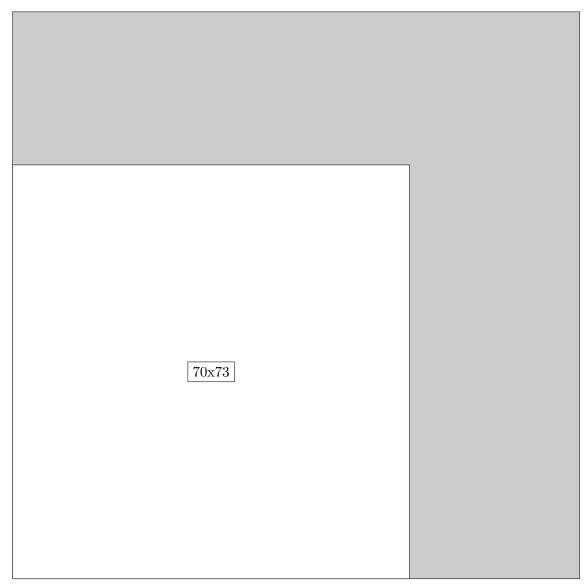
LBWithCut:  $\underline{\mathbf{47}}$ NodeCut:  $\underline{\mathbf{0}}$ 

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

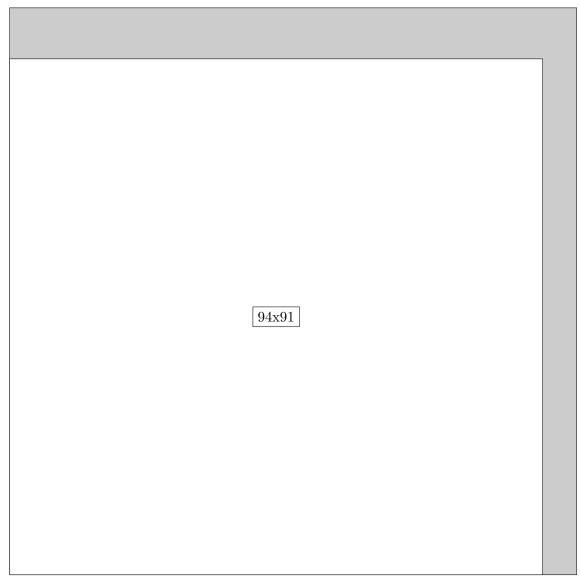
GenNodeCnt:  $\underline{\mathbf{1}}$ PrimalNode:  $\underline{\mathbf{0}}$ ColumnCount:  $\underline{\mathbf{47}}$ TotalCutCount:  $\underline{\mathbf{0}}$ RootCutCount:  $\underline{\mathbf{0}}$ LPSolverCnt:  $\underline{\mathbf{1}}$ PricingSolverCnt:  $\underline{\mathbf{0}}$ BranchAndBoundNum:  $\underline{\mathbf{1}}$ 

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

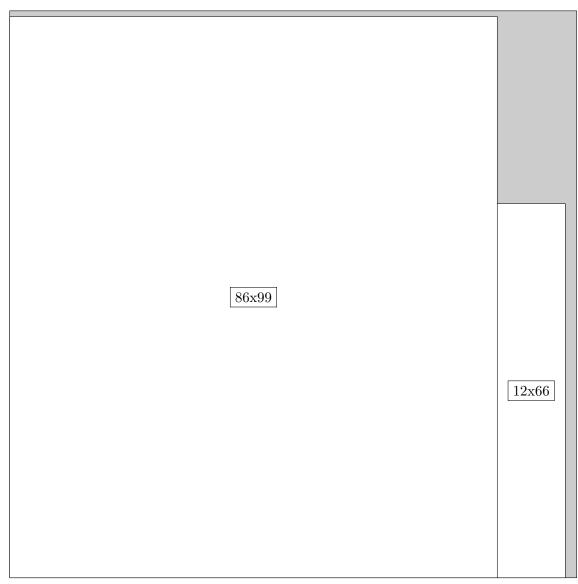
TimeOnInitSolution: 0.030 sTimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.078 sTotalTime: 0.171 s



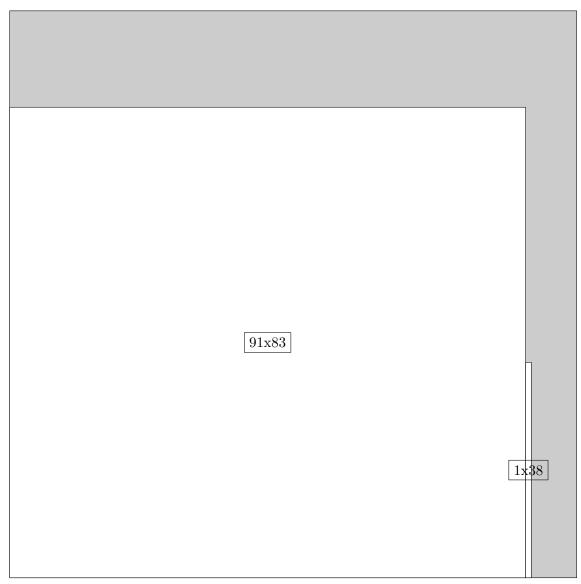
w = 70, h = 73, x = 0, y = 0, v = 5110



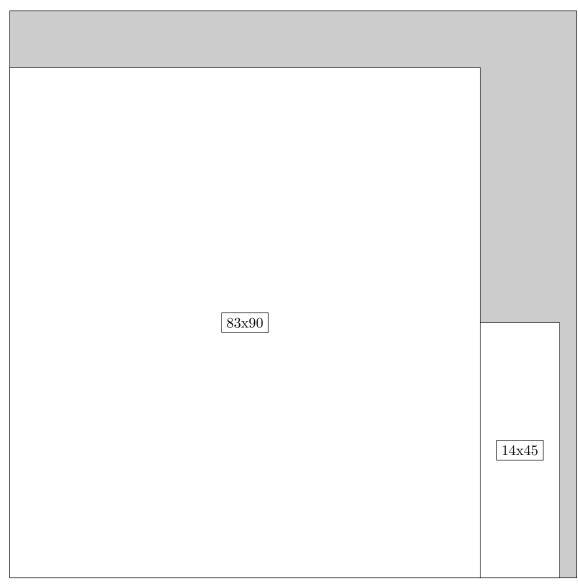
 $\le =94$  , h =91 , x =0 , y =0 , v =8554

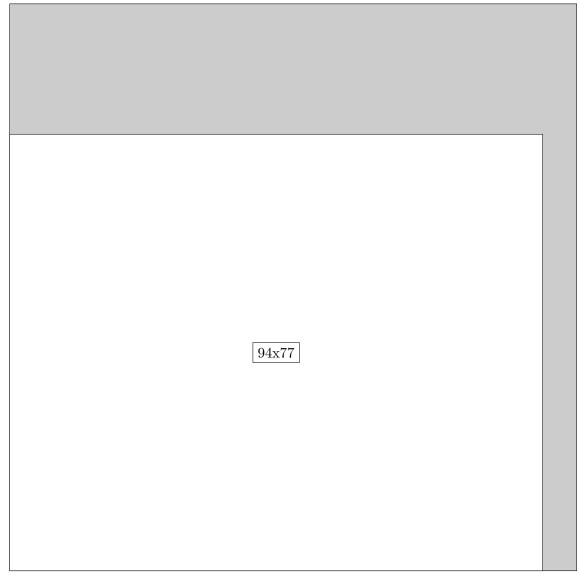


$$\begin{array}{c} w = 86 \; , \; h = 99 \; , \; x = 0 \; , \; y = 0 \; , \; v = 8514 \\ w = 12 \; , \; h = 66 \; , \; x = 86 \; , \; y = 0 \; , \; v = 792 \\ \end{array}$$

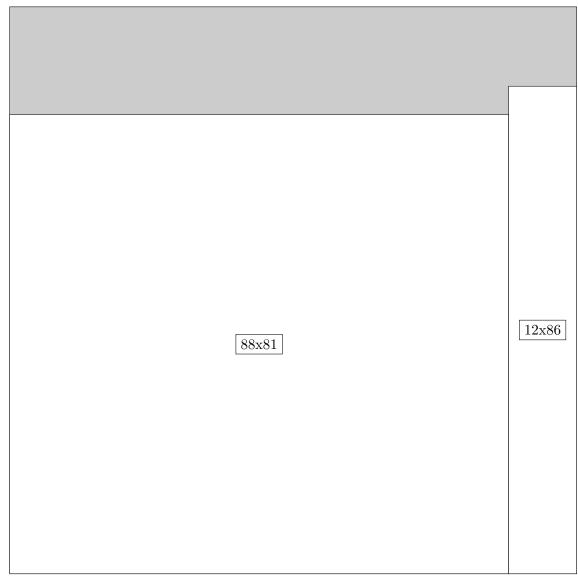


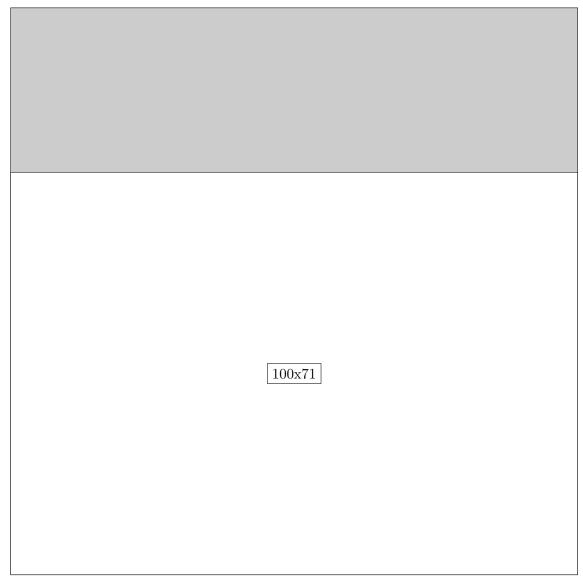
 $\begin{array}{l} w = \! 91 \ , \ h = \! 83 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 7553 \\ w = \! 1 \ , \ h = \! 38 \ , \ x = \! 91 \ , \ y = \! 0 \ , \ v = \! 38 \end{array}$ 



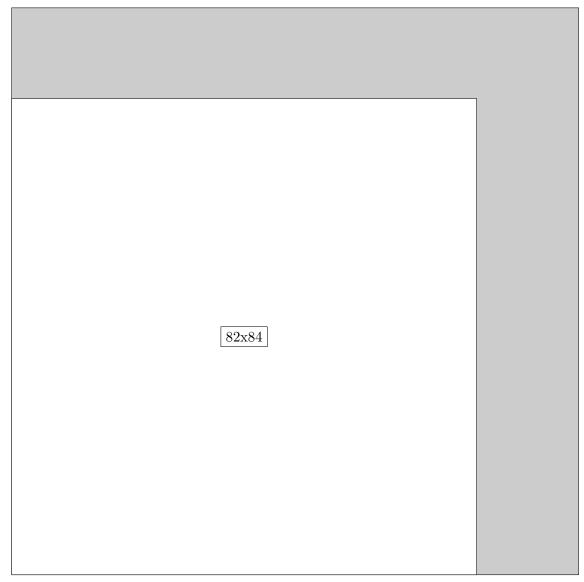


 $\le =94$  , h =77 , x =0 , y =0 , v =7238

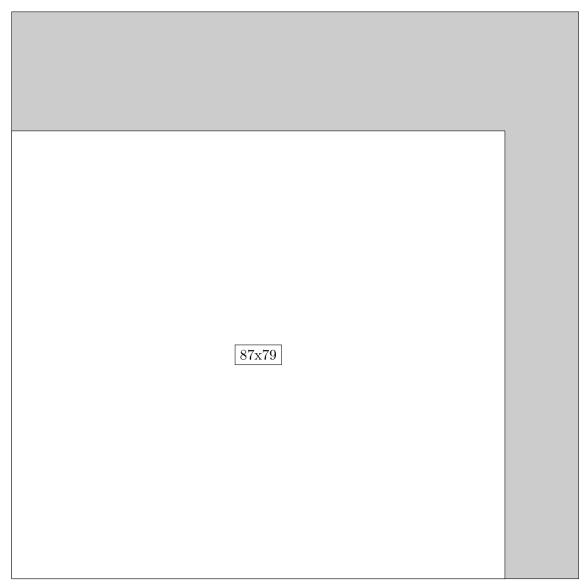




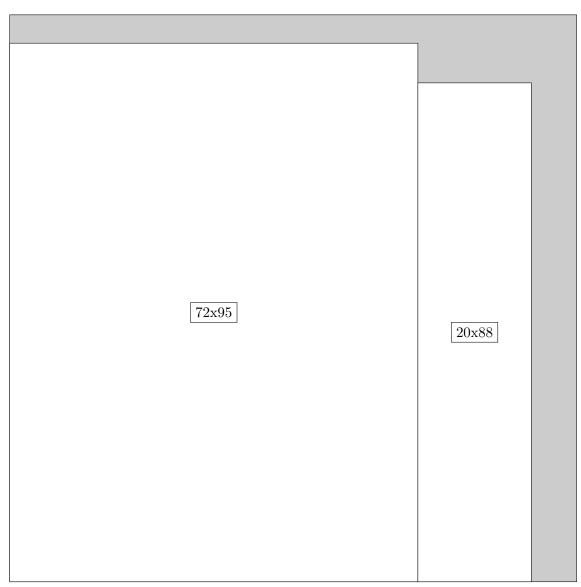
 $\le =100$  , h =71 , x =0 , y =0 , v =7100

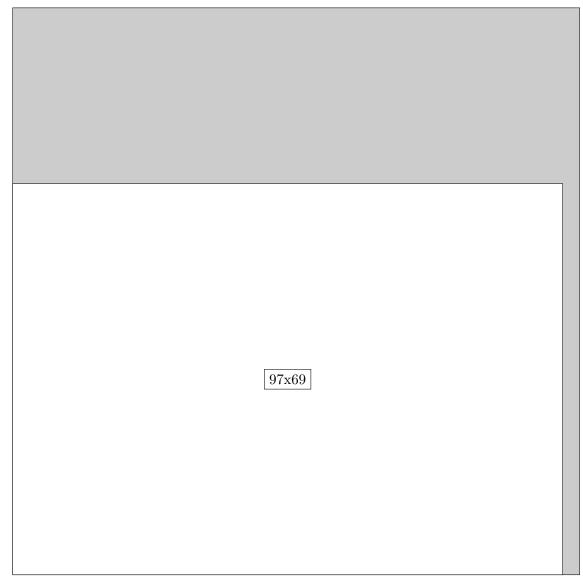


 $\le =82$  , h =84 , x =0 , y =0 , v =6888

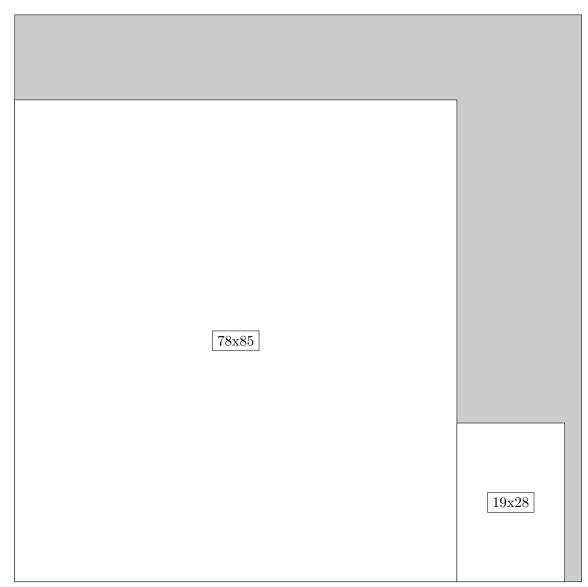


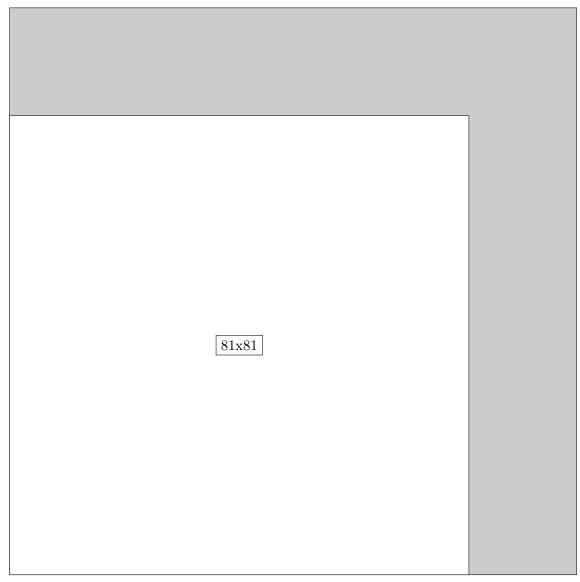
w = 87, h = 79, x = 0, y = 0, v = 6873



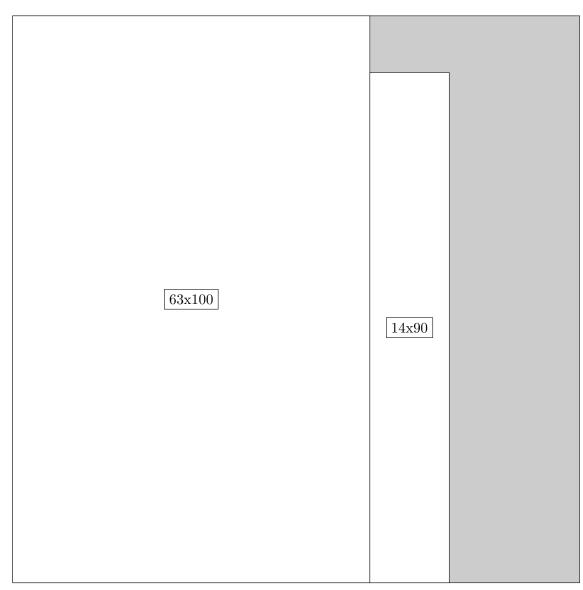


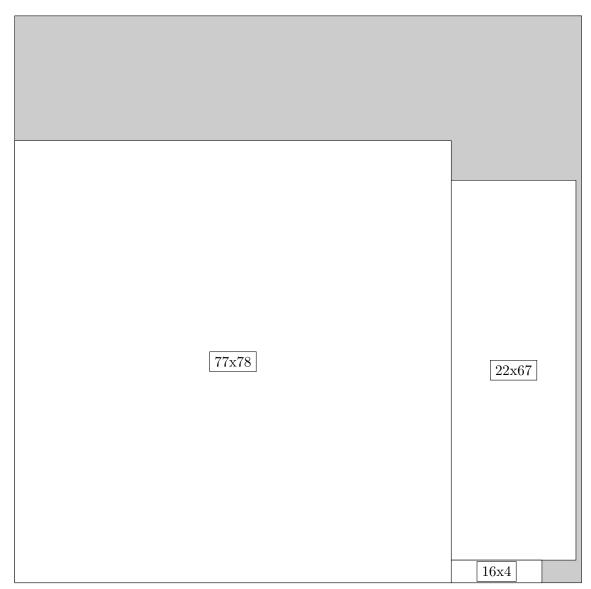
w = 97, h = 69, x = 0, y = 0, v = 6693





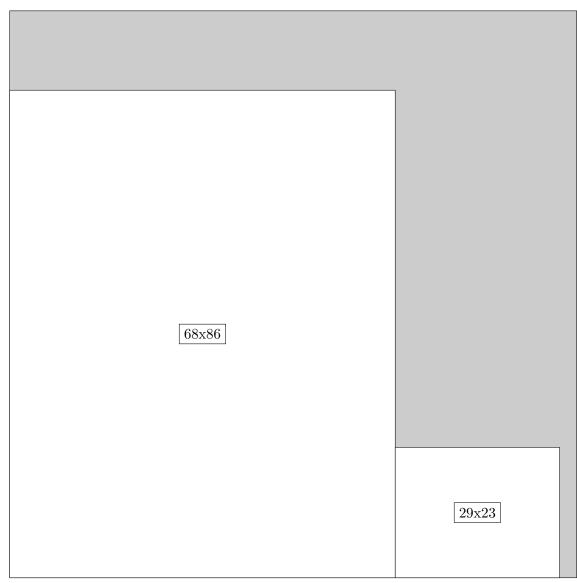
 $\le =81$  ,  $h=\!81$  ,  $x=\!0$  ,  $y=\!0$  ,  $v=\!6561$ 

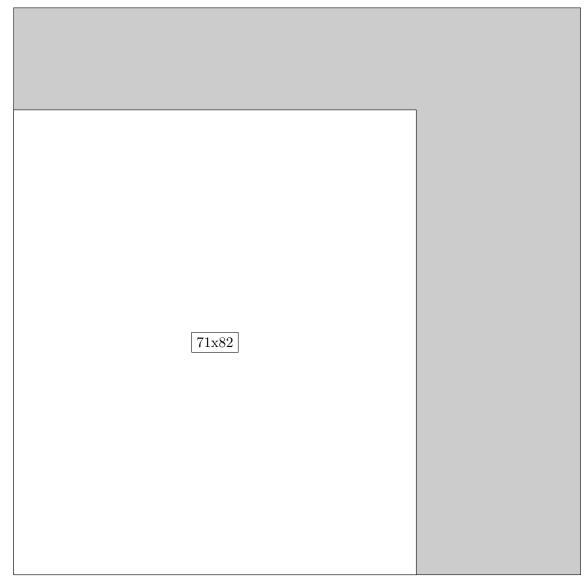




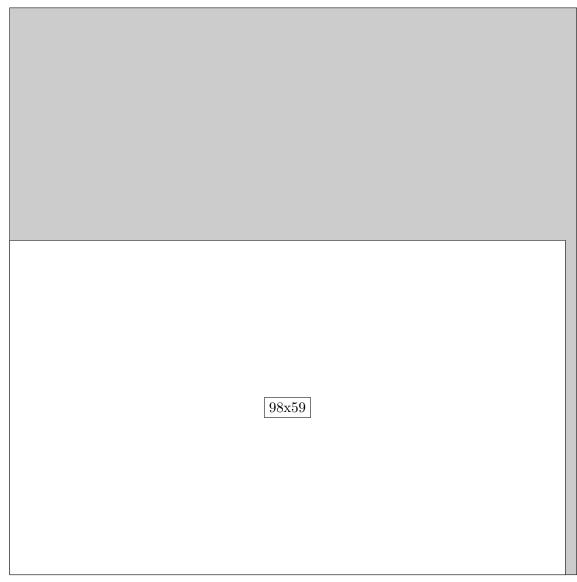
$$\begin{array}{l} w = \!\!\! 77 \ , \ h = \!\!\! 78 \ , \ x = \!\!\! 0 \ , \ y = \!\!\! 0 \ , \ v = \!\!\! 6006 \\ w = \!\!\! 22 \ , \ h = \!\!\! 67 \ , \ x = \!\!\! 77 \ , \ y = \!\!\! 4 \ , \ v = \!\!\! 1474 \end{array}$$

$$\mathbf{w}$$
 =16 , h =4 , x =77 , y =0 , v =64

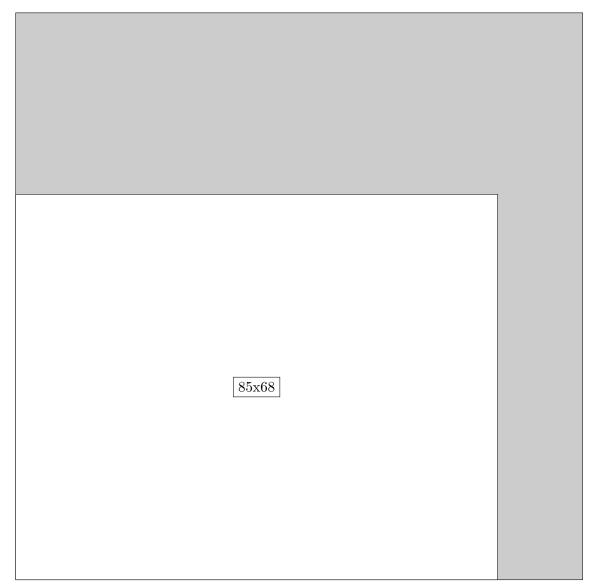




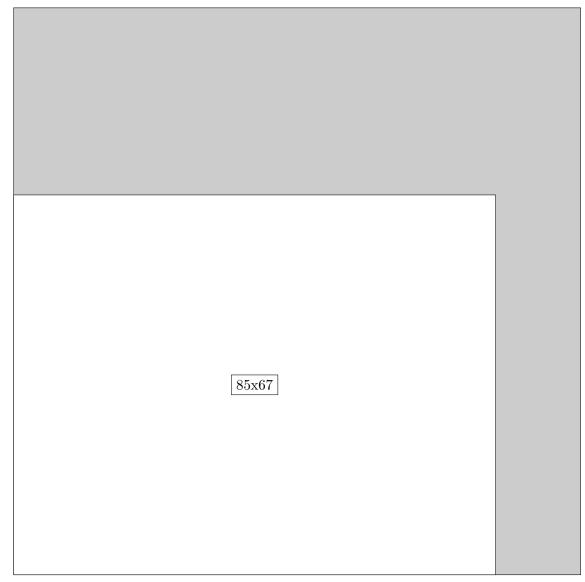
w = 71, h = 82, x = 0, y = 0, v = 5822



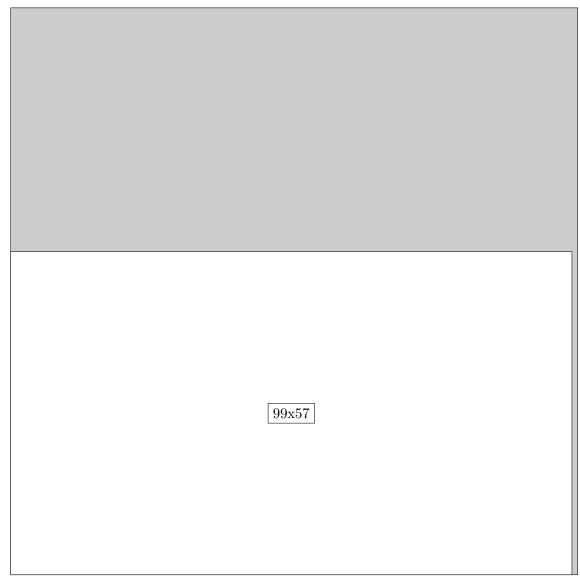
 $\le =98$  , h =59 , x =0 , y =0 , v =5782



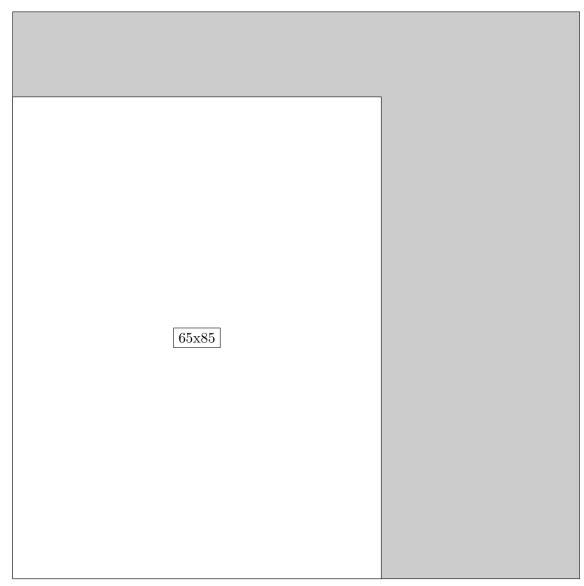
 $\overline{w} = 85$ , h = 68, x = 0, y = 0, v = 5780



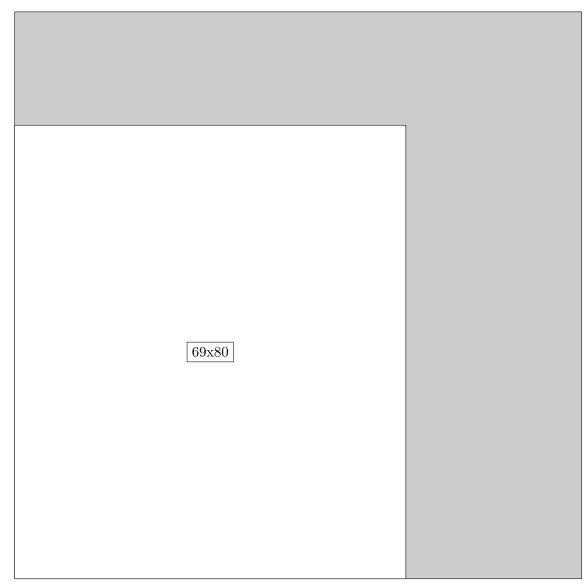
w = 85, h = 67, x = 0, y = 0, v = 5695



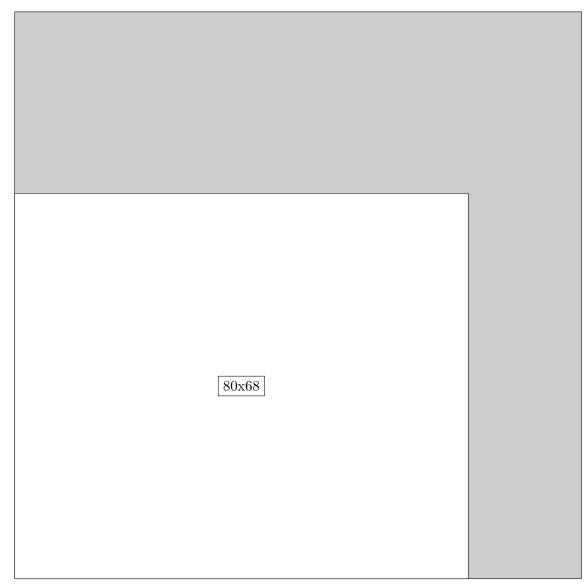
 $\le =99$  , h =57 , x =0 , y =0 , v = 5643



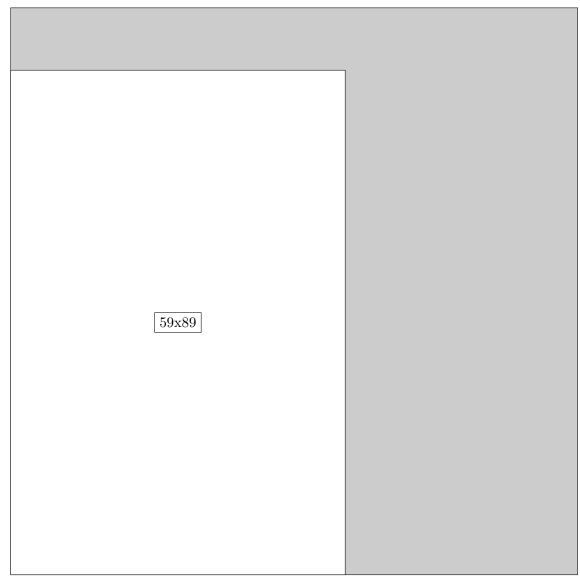
 $\le =65$  , h =85 , x =0 , y =0 , v =5525



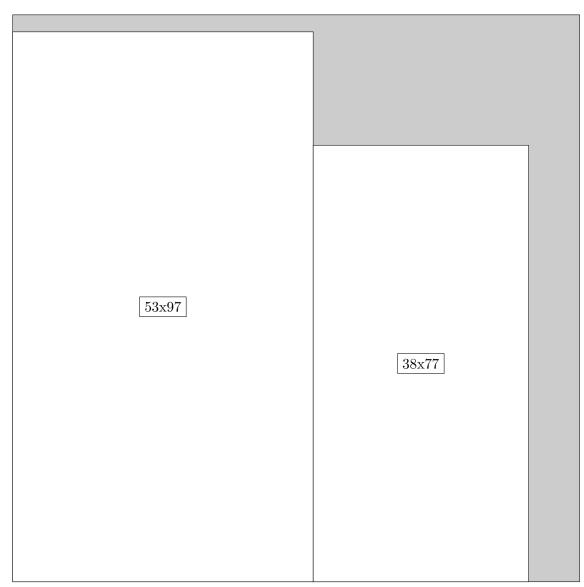
 $\overline{\mathbf{w}} = 69$ ,  $\mathbf{h} = 80$ ,  $\mathbf{x} = 0$ ,  $\mathbf{y} = 0$ ,  $\mathbf{v} = 5520$ 



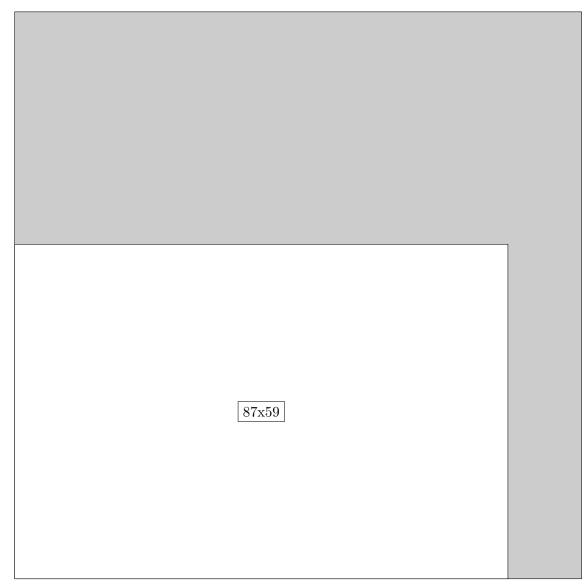
 $\overline{w} = 80$ , h = 68, x = 0, y = 0, v = 5440



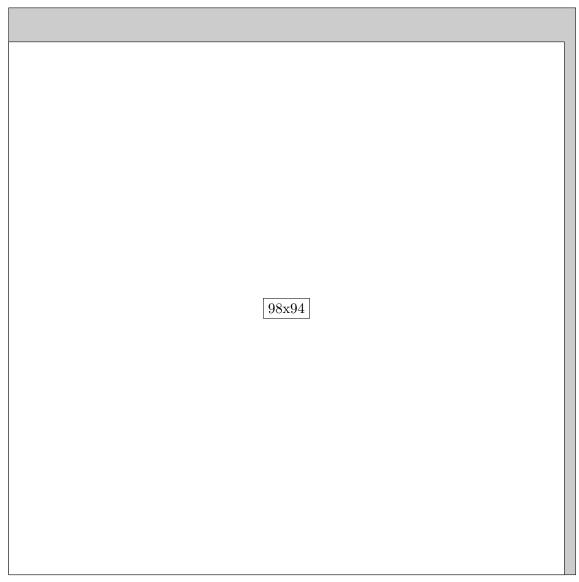
 $\le =59$  , h =89 , x =0 , y =0 , v =5251



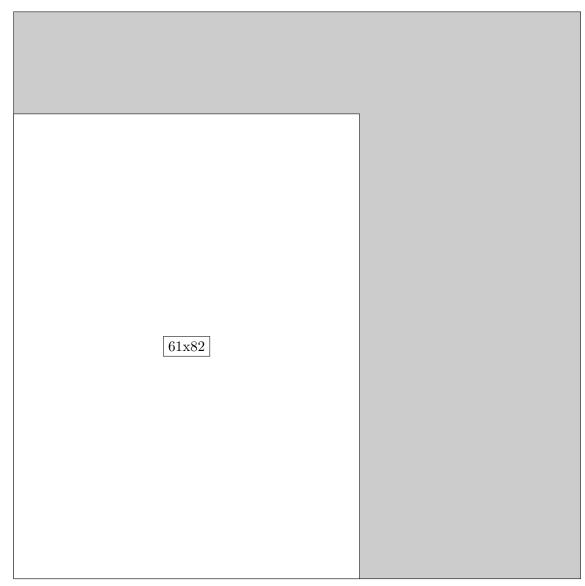
$$\begin{array}{c} w = \!53 \; , \; h = \!97 \; , \; x = \!0 \; , \; y = \!0 \; , \; v = \!5141 \\ w = \!38 \; , \; h = \!77 \; , \; x = \!53 \; , \; y = \!0 \; , \; v = \!2926 \\ \end{array}$$



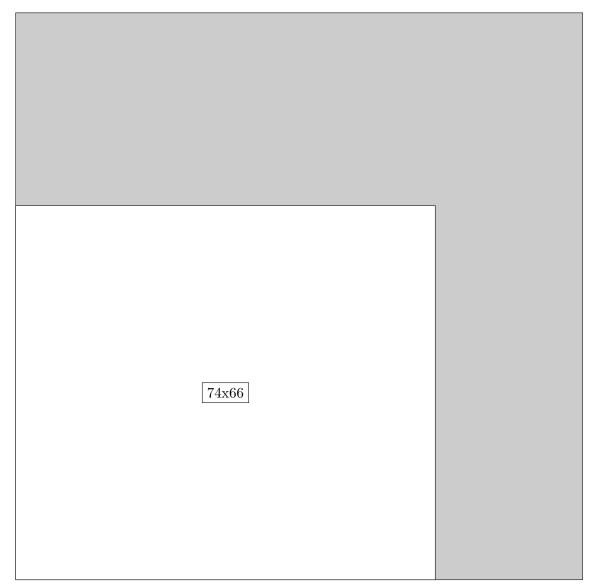
w = 87, h = 59, x = 0, y = 0, v = 5133



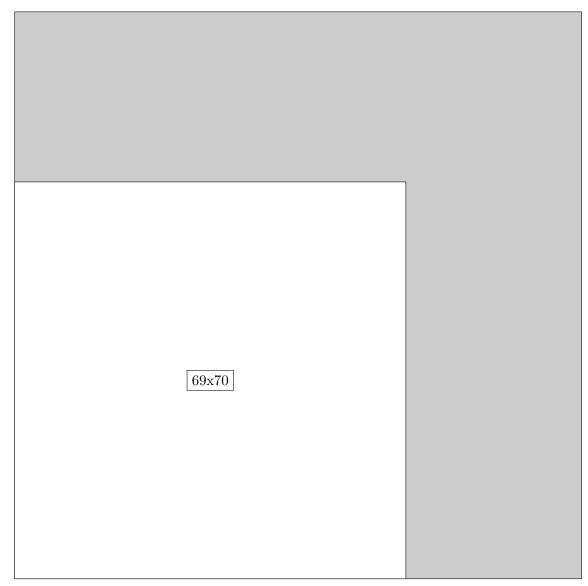
w = 98, h = 94, x = 0, y = 0, v = 9212



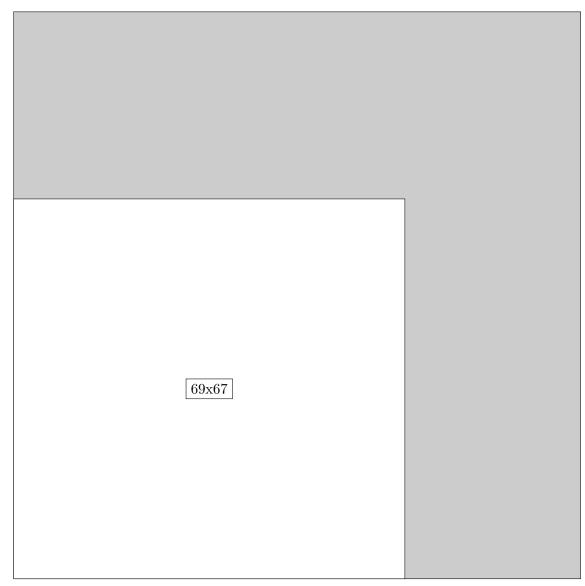
w = 61, h = 82, x = 0, y = 0, v = 5002



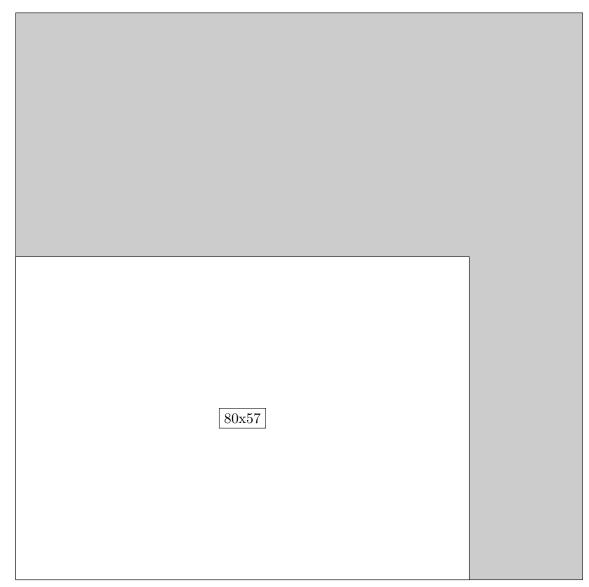
w = 74, h = 66, x = 0, y = 0, v = 4884



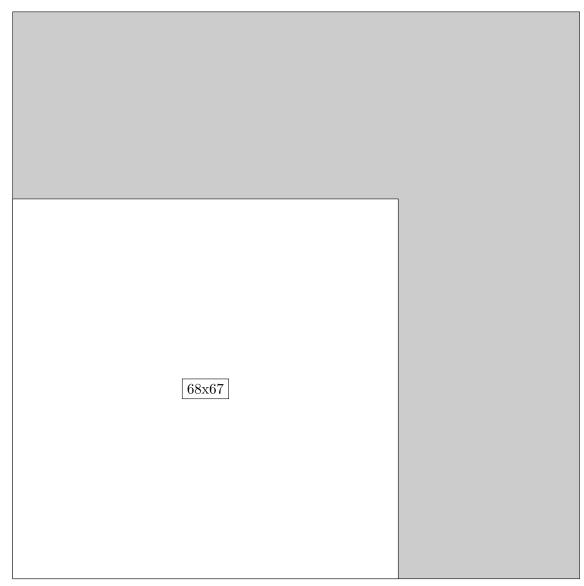
w = 69, h = 70, x = 0, y = 0, v = 4830



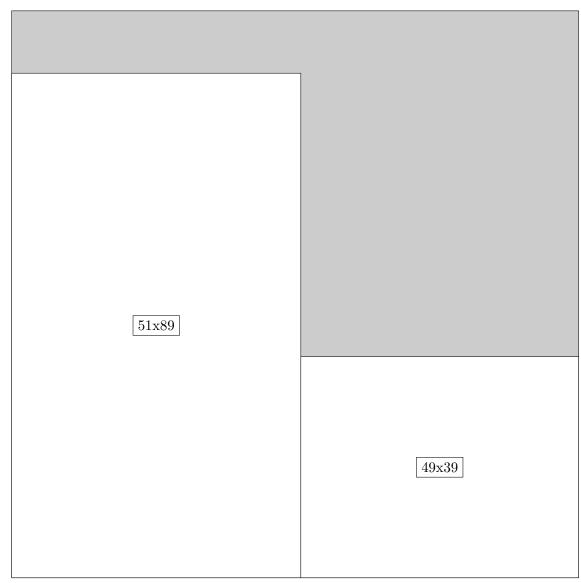
w = 69, h = 67, x = 0, y = 0, v = 4623

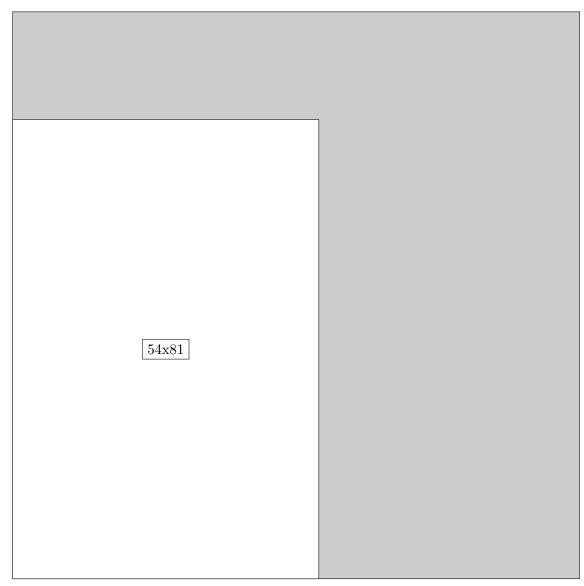


 $\le =80$  , h =57 , x =0 , y =0 , v =4560

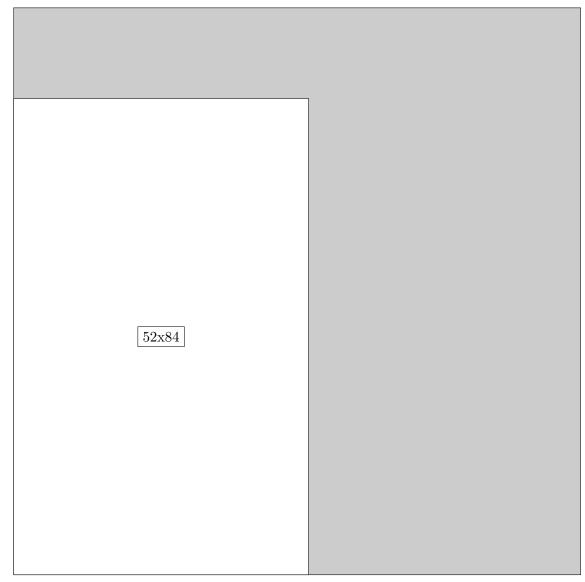


w = 68, h = 67, x = 0, y = 0, v = 4556

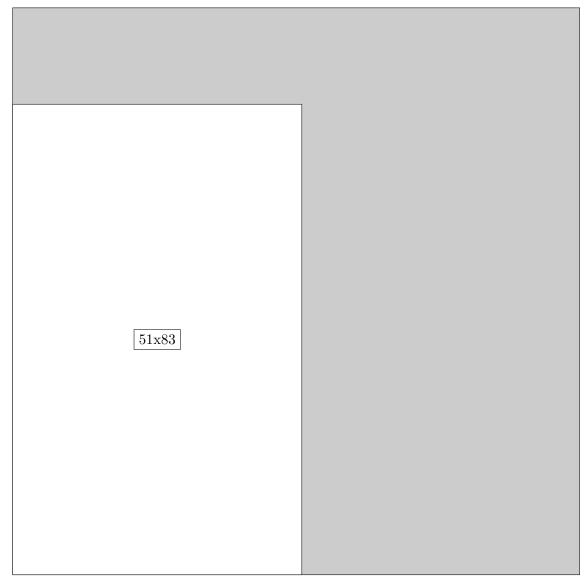




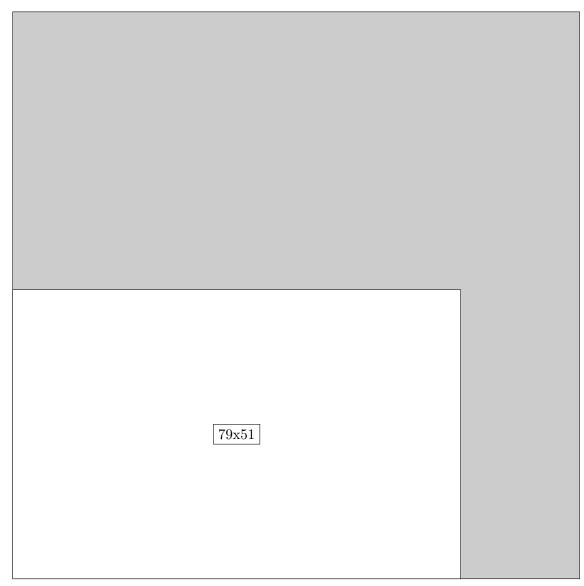
 $\le =54$  , h =81 , x =0 , y =0 , v =4374



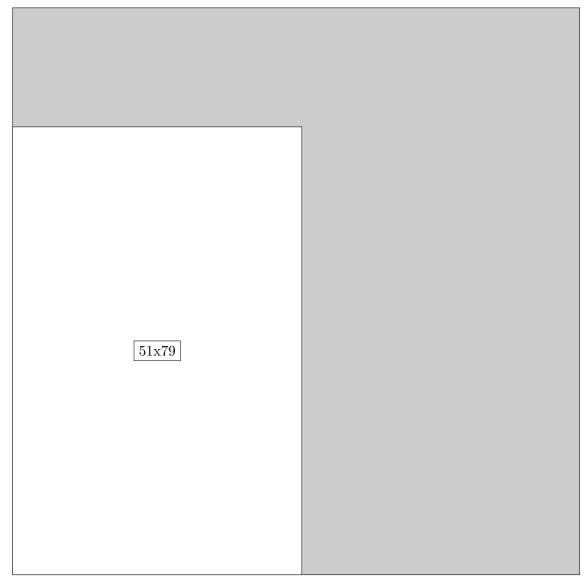
w = 52, h = 84, x = 0, y = 0, v = 4368



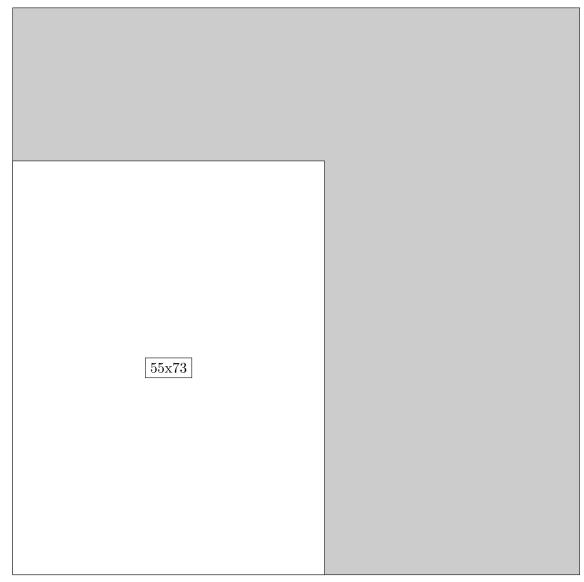
w = 51, h = 83, x = 0, y = 0, v = 4233



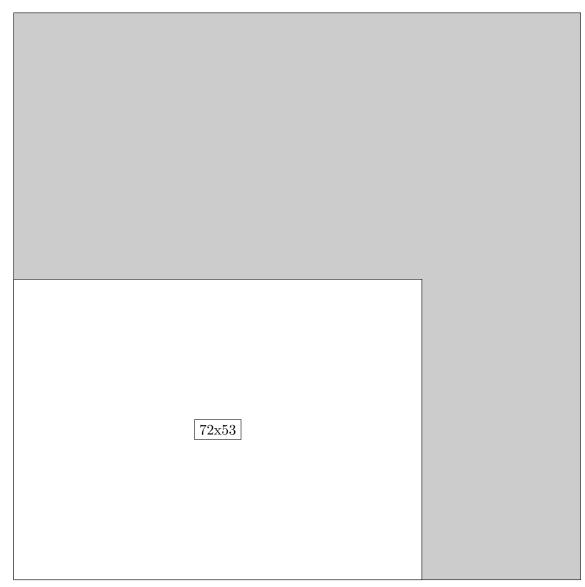
 $\mathbf{w}$  =79 , h =51 , x =0 , y =0 , v =4029



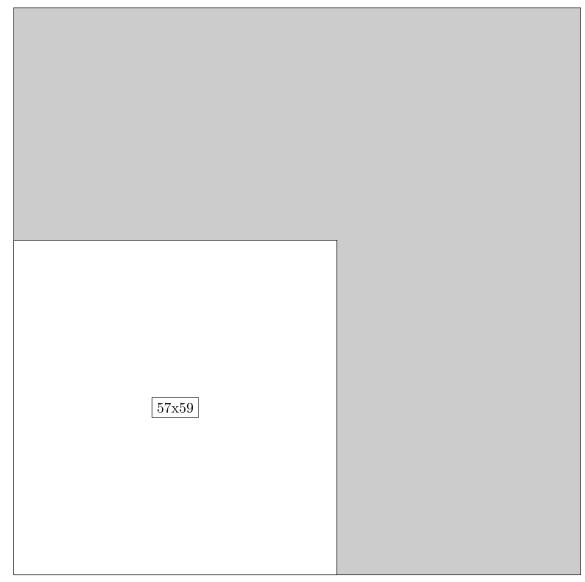
 $\mathbf{w}$  =51 , h =79 , x =0 , y =0 , v =4029



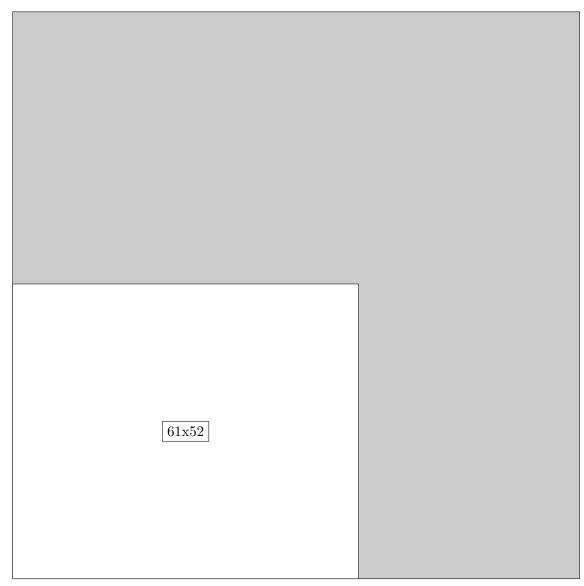
 $\overline{\mathrm{w}}$  =55 , h =73 , x =0 , y =0 , v =4015



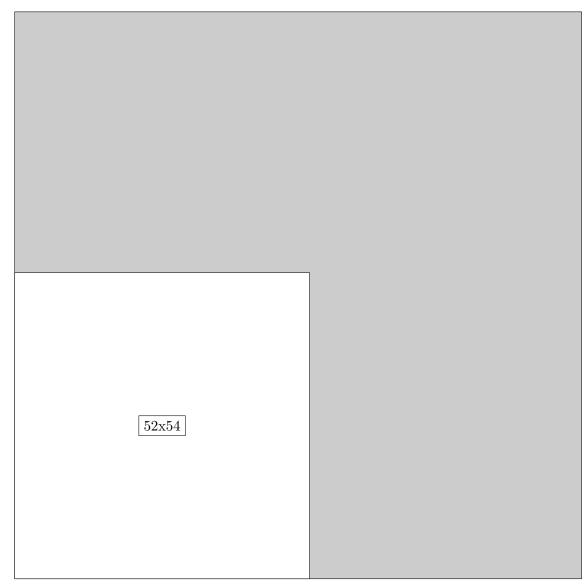
 $\mathbf{w}$  =72 , h =53 , x =0 , y =0 , v =3816



w = 57, h = 59, x = 0, y = 0, v = 3363



 $\le =61$  , h =52 , x =0 , y =0 , v =3172



w = 52, h = 54, x = 0, y = 0, v = 2808



$$\begin{array}{l} w = \! 92 \ , \ h = \! 50 \ , \ x = \! 0 \ , \ y = \! 36 \ , \ v = \! 4600 \\ w = \! 91 \ , \ h = \! 36 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 3276 \end{array}$$