$ClassName: {\bf Class\_09.2bp-21}$ 

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

TypeNum: <u>59</u> Num: <u>60</u> OutS: <u>450000</u> InS: <u>292824</u> Rate: <u>0.651</u> UB: <u>45</u> LB0: <u>45</u>

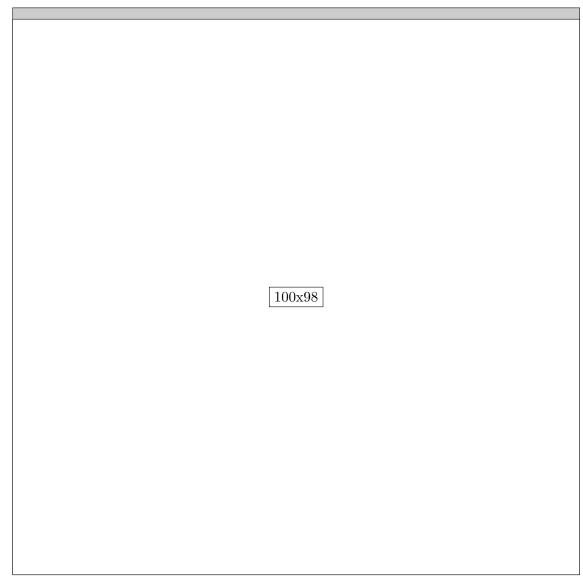
LB:  $\underline{\mathbf{45}}$ LBWithCut:  $\underline{\mathbf{45}}$ NodeCut:  $\underline{\mathbf{0}}$ 

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

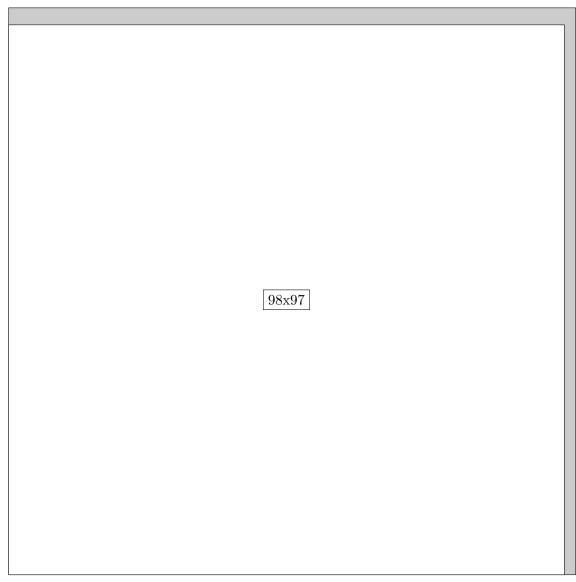
GenNodeCnt:  $\underline{\mathbf{1}}$ PrimalNode:  $\underline{\mathbf{0}}$ ColumnCount:  $\underline{\mathbf{45}}$ TotalCutCount:  $\underline{\mathbf{0}}$ RootCutCount:  $\underline{\mathbf{0}}$ LPSolverCnt:  $\underline{\mathbf{1}}$ PricingSolverCnt:  $\underline{\mathbf{0}}$ BranchAndBoundNum:  $\underline{\mathbf{1}}$ 

isOpt: **true** 

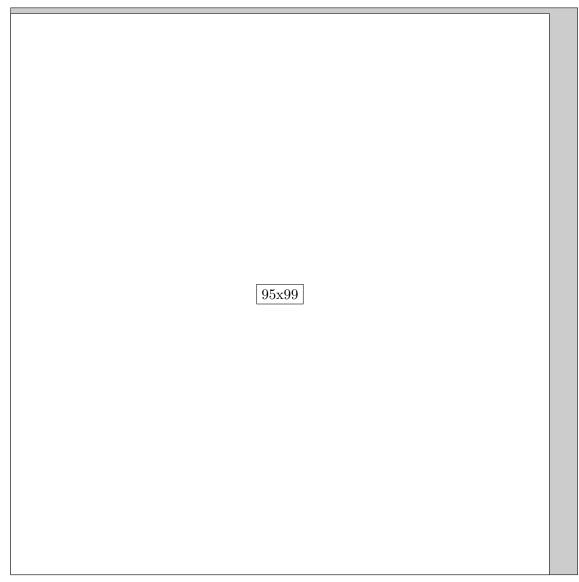
 $\begin{array}{ll} {\rm TimeOnInitSolution:} \ \underline{0.180 \ s} \\ {\rm TimeOnPrimal:} \ \underline{0.000 \ s} \\ {\rm TimeOnPricing:} \ \underline{0.000 \ s} \\ {\rm TimeOnRmp:} \ \underline{0.062 \ s} \\ {\rm TotalTime:} \ \underline{0.305 \ s} \\ \end{array}$ 



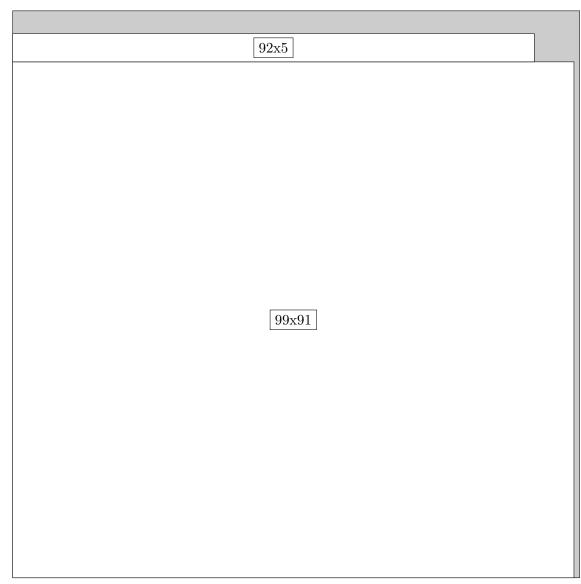
 $\le =100$  , h =98 , x =0 , y =0 , v =9800

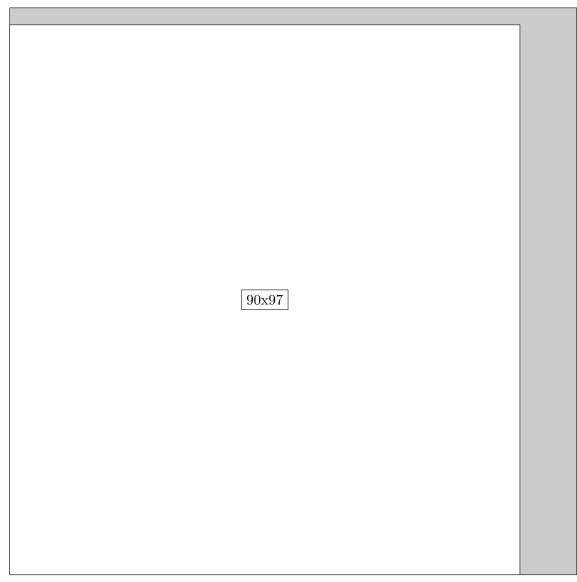


w = 98, h = 97, x = 0, y = 0, v = 9506

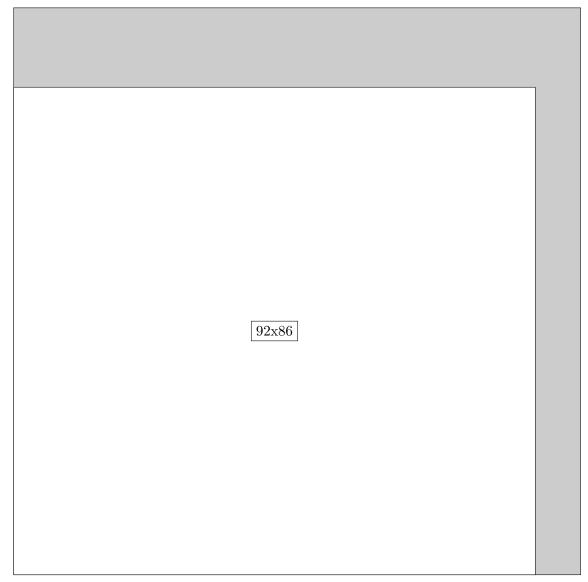


 $\le =95$  , h =99 , x =0 , y =0 , v =9405

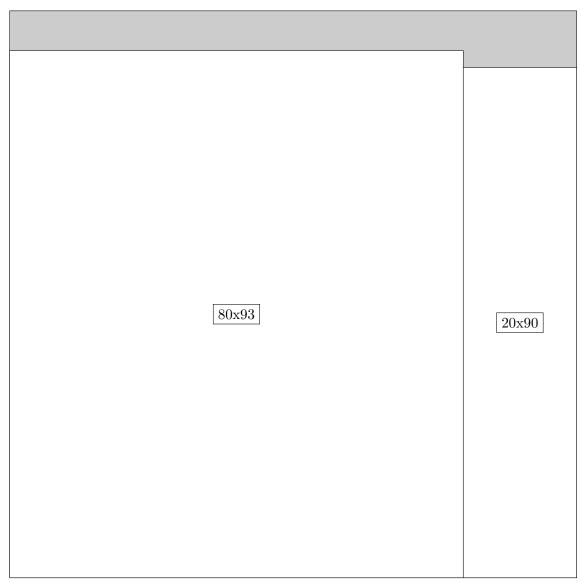


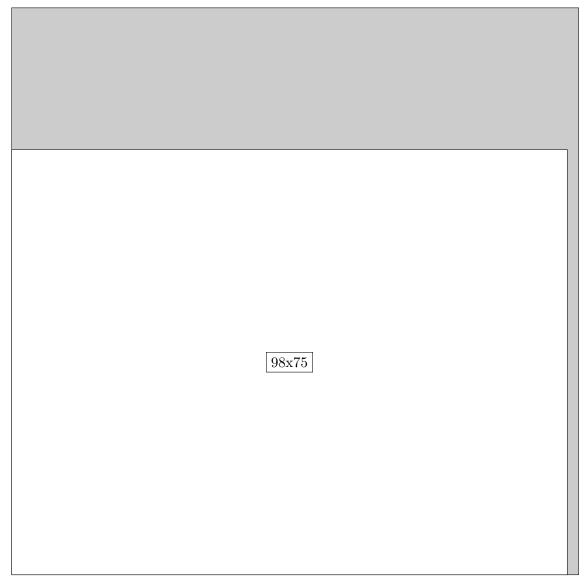


w = 90, h = 97, x = 0, y = 0, v = 8730

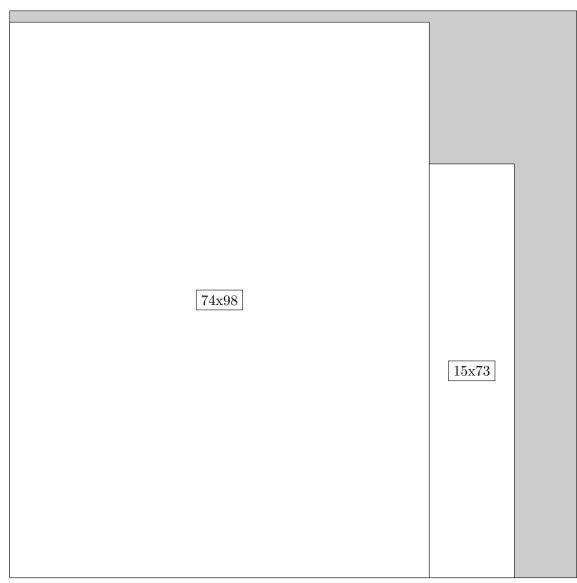


 $\le =92$  , h =86 , x =0 , y =0 , v =7912

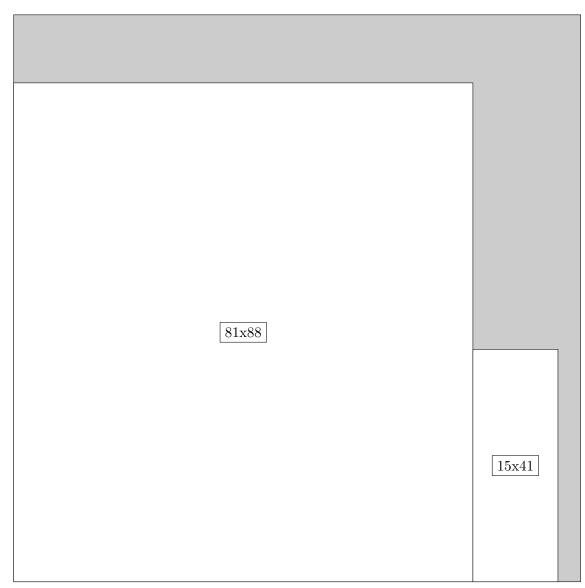




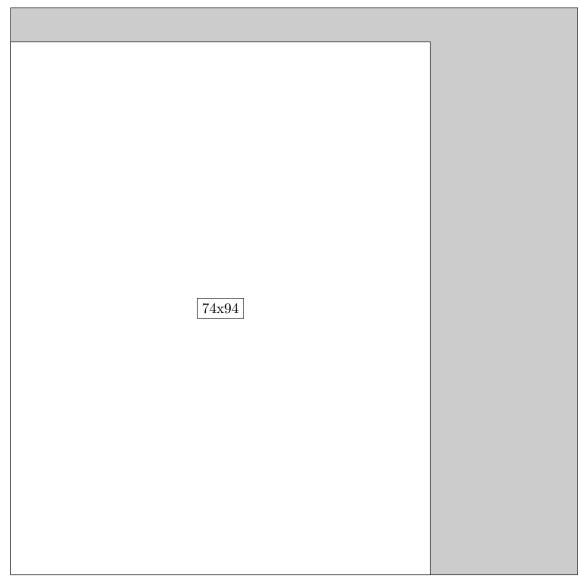
 $\le =98$  , h =75 , x =0 , y =0 , v =7350



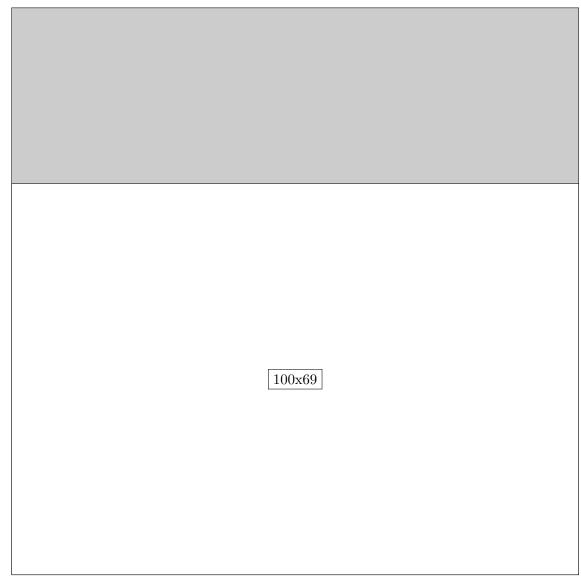
$$\begin{array}{l} w = \! 74 \ , \ h = \! 98 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 7252 \\ w = \! 15 \ , \ h = \! 73 \ , \ x = \! 74 \ , \ y = \! 0 \ , \ v = \! 1095 \end{array}$$



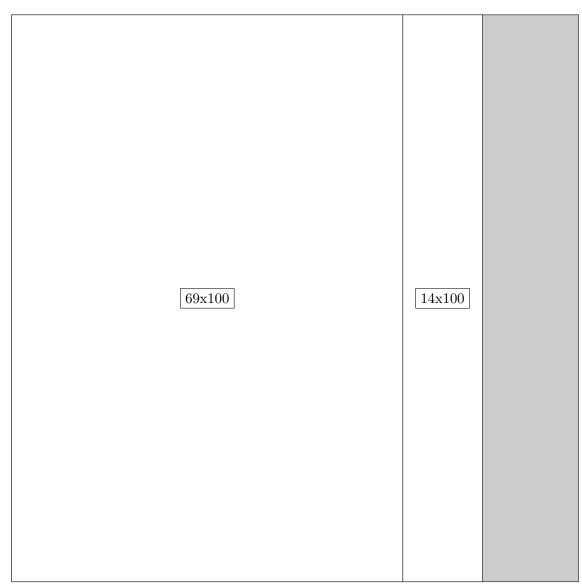
$$\begin{array}{l} w = \! 81 \ , \ h = \! 88 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 7128 \\ w = \! 15 \ , \ h = \! 41 \ , \ x = \! 81 \ , \ y = \! 0 \ , \ v = \! 615 \end{array}$$



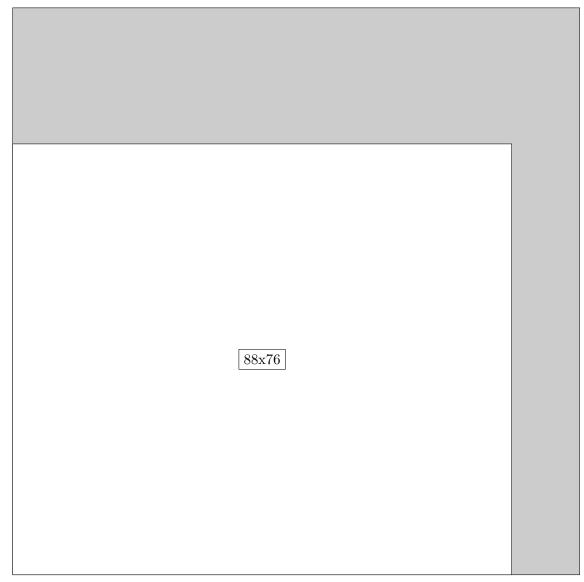
w = 74, h = 94, x = 0, y = 0, v = 6956



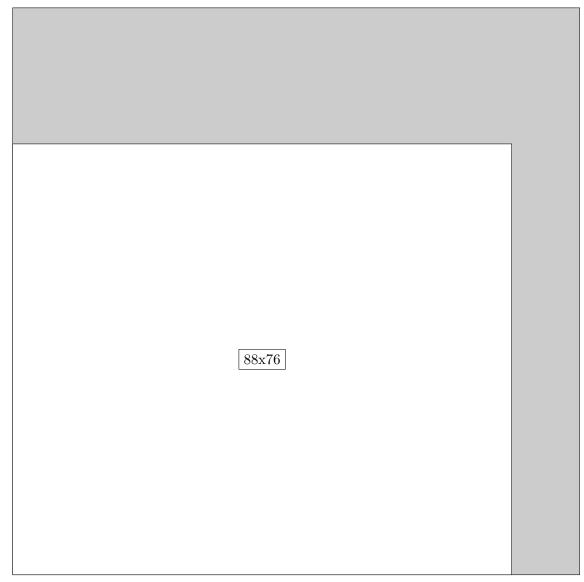
 $\le 100$  , h =69 , x =0 , y =0 , v =6900



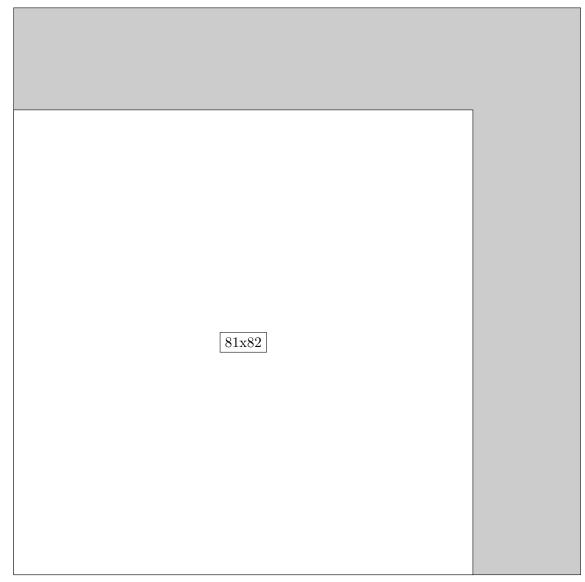
w =69, h =100, x =0, y =0, v =6900 w =14, h =100, x =69, y =0, v =1400



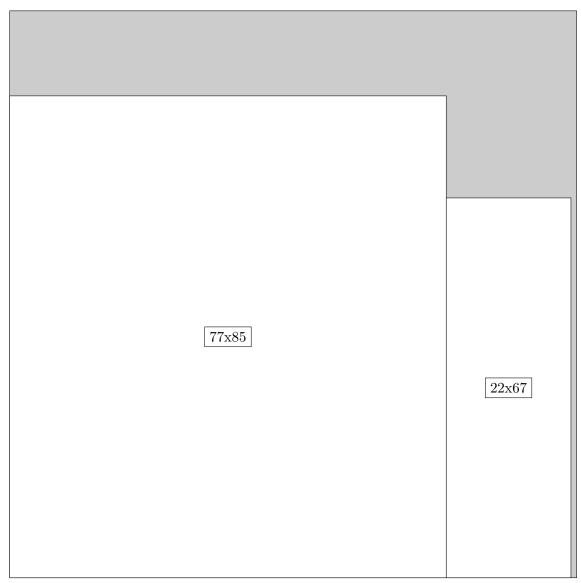
w = 88, h = 76, x = 0, y = 0, v = 6688



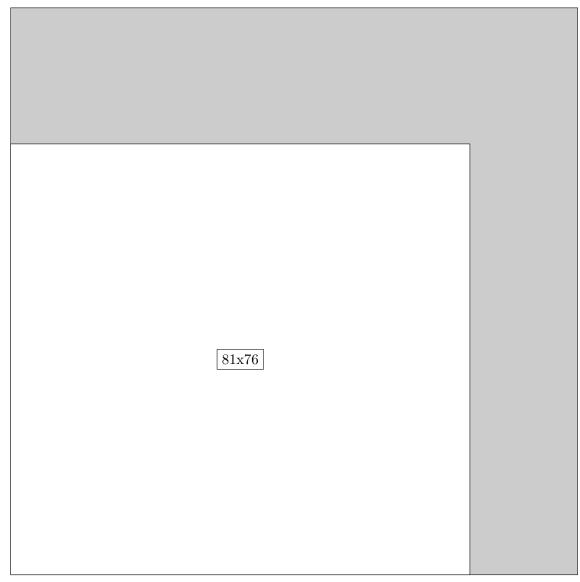
w = 88, h = 76, x = 0, y = 0, v = 6688



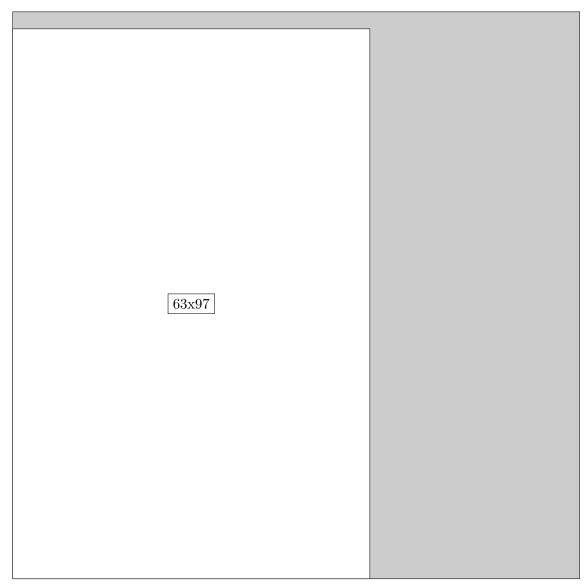
w = 81, h = 82, x = 0, y = 0, v = 6642



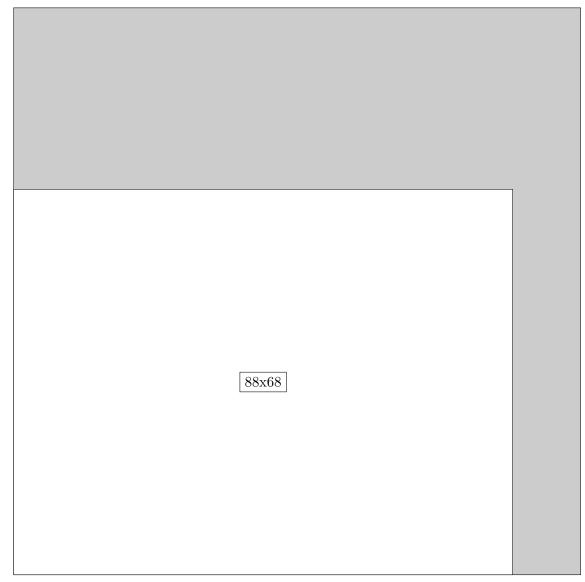
$$\begin{array}{c} w = 77 \; , \; h = \!\! 85 \; , \; x = \!\! 0 \; , \; y = \!\! 0 \; , \; v = \!\! 6545 \\ w = \!\! 22 \; , \; h = \!\! 67 \; , \; x = \!\! 77 \; , \; y = \!\! 0 \; , \; v = \!\! 1474 \\ \end{array}$$



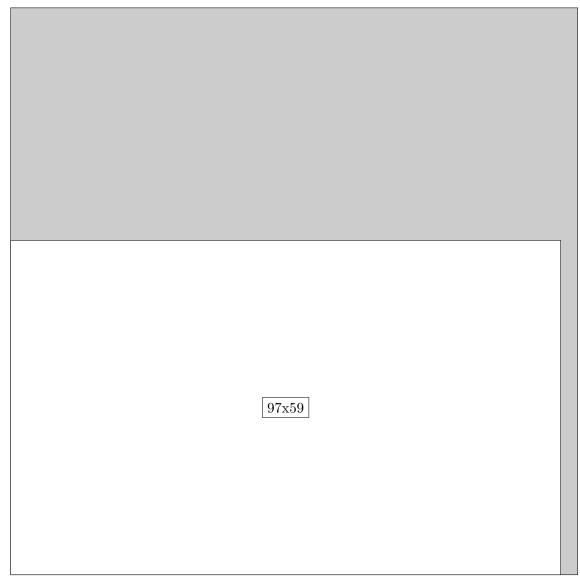
 $\overline{\mathrm{w}}$  =81 , h =76 , x =0 , y =0 , v =6156



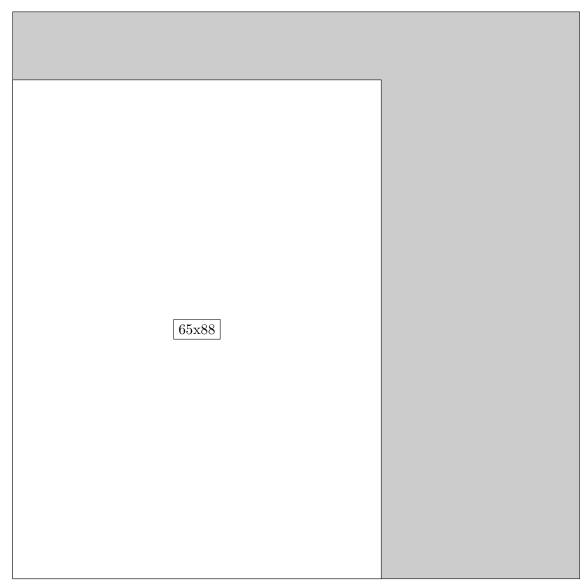
w = 63, h = 97, x = 0, y = 0, v = 6111



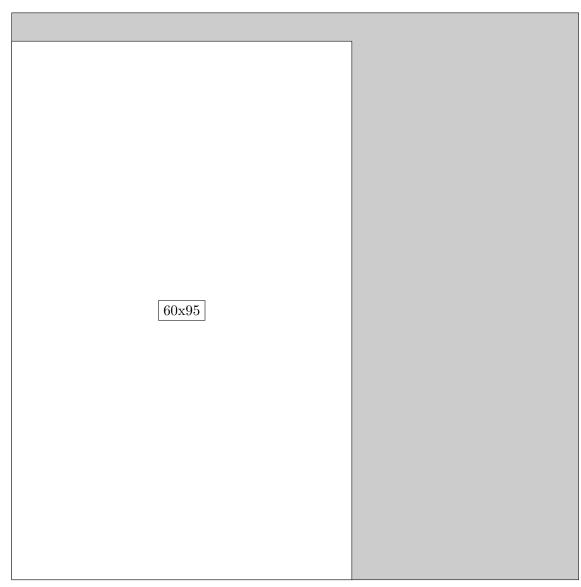
 $\le =88$  , h =68 , x =0 , y =0 , v =5984



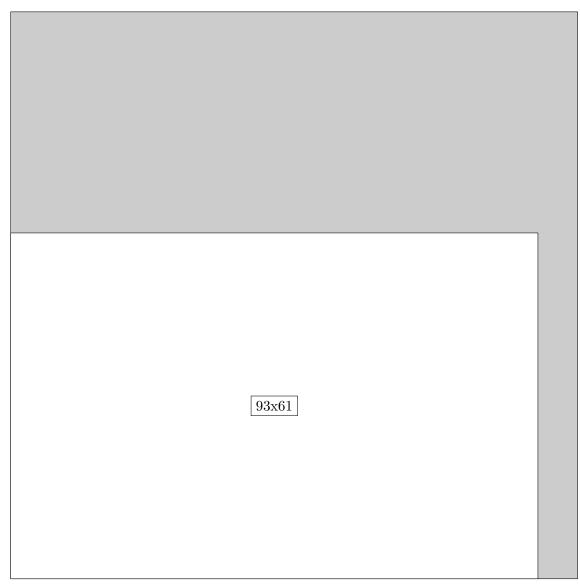
w = 97, h = 59, x = 0, y = 0, v = 5723



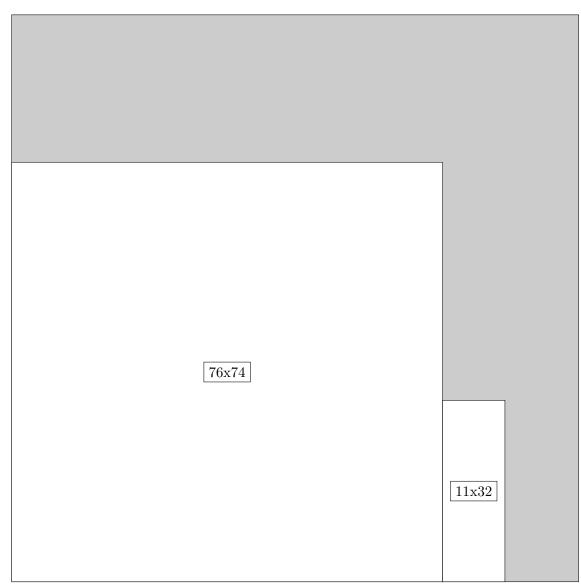
w = 65, h = 88, x = 0, y = 0, v = 5720

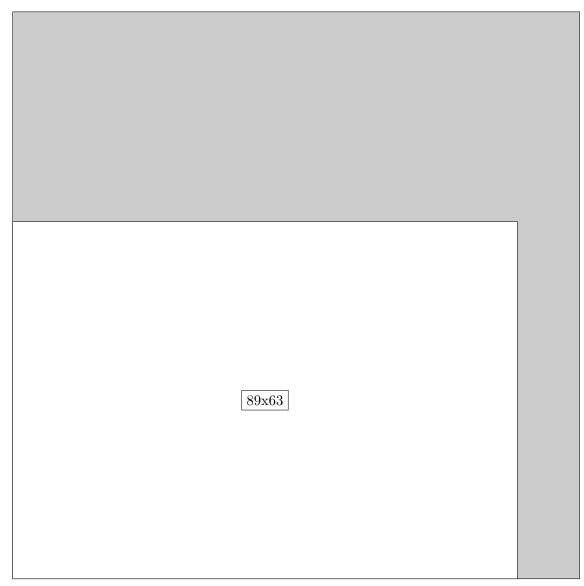


 $\overline{w} = 60$ , h = 95, x = 0, y = 0, v = 5700

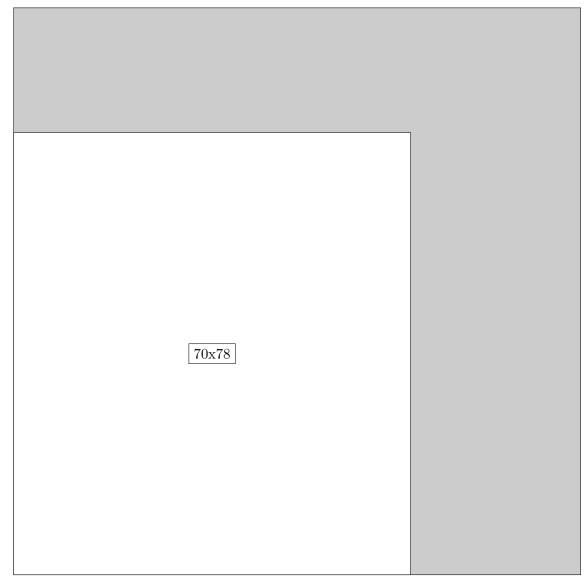


 $\overline{\rm w}$  =93 , h =61 , x =0 , y =0 , v =5673

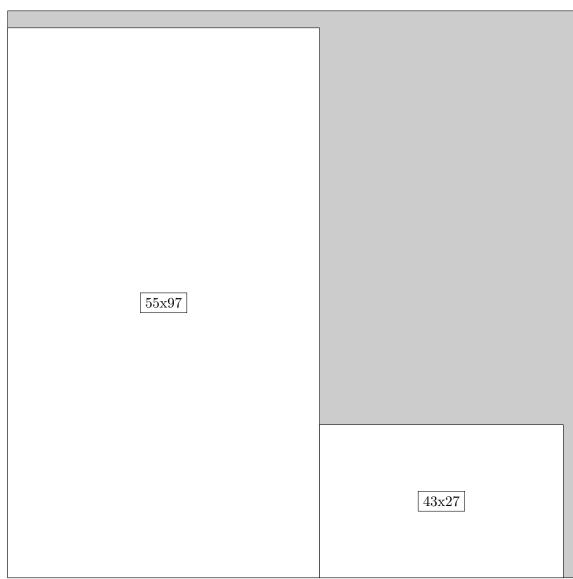




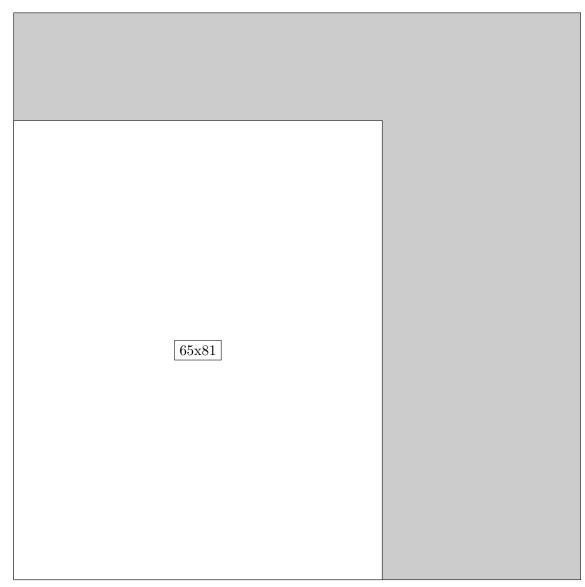
w = 89, h = 63, x = 0, y = 0, v = 5607



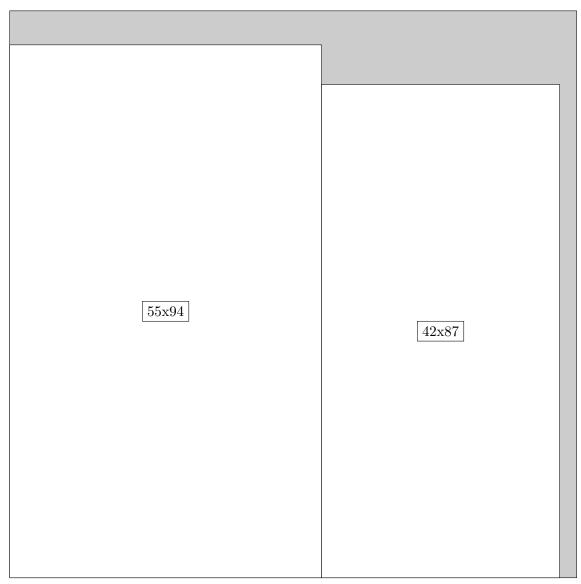
w = 70, h = 78, x = 0, y = 0, v = 5460

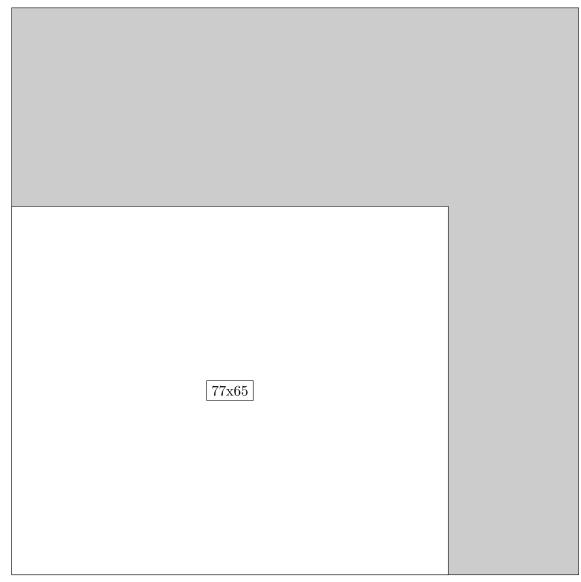


$$\begin{array}{c} w = \!\! 55 \ , \ h = \!\! 97 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 5335 \\ w = \!\! 43 \ , \ h = \!\! 27 \ , \ x = \!\! 55 \ , \ y = \!\! 0 \ , \ v = \!\! 1161 \end{array}$$

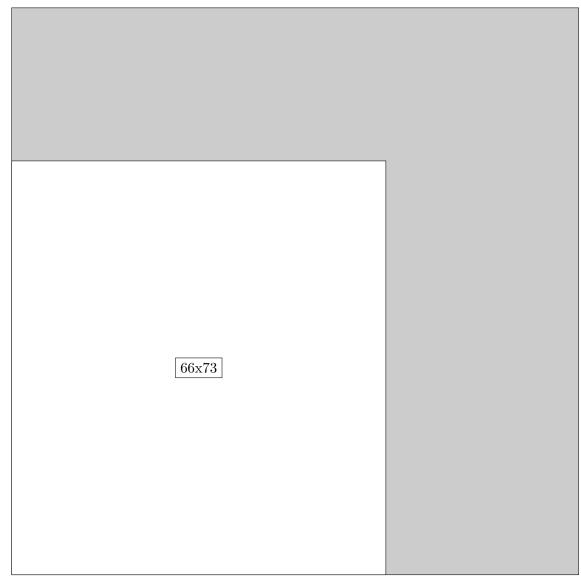


 $\le =65$  , h  $=\!81$  , x  $=\!0$  , y  $=\!0$  , v  $=\!5265$ 

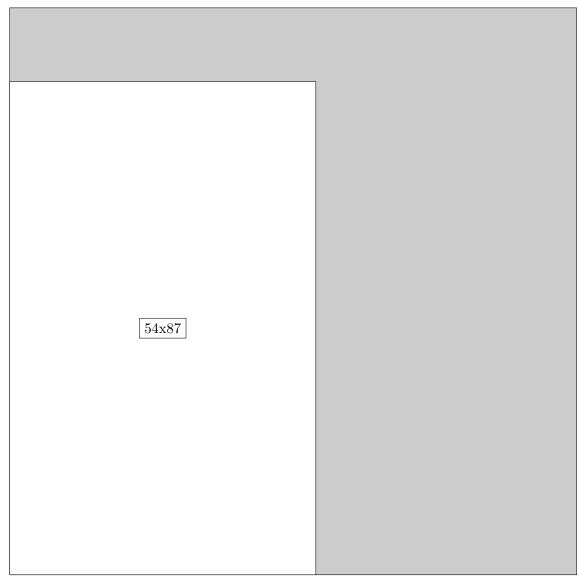




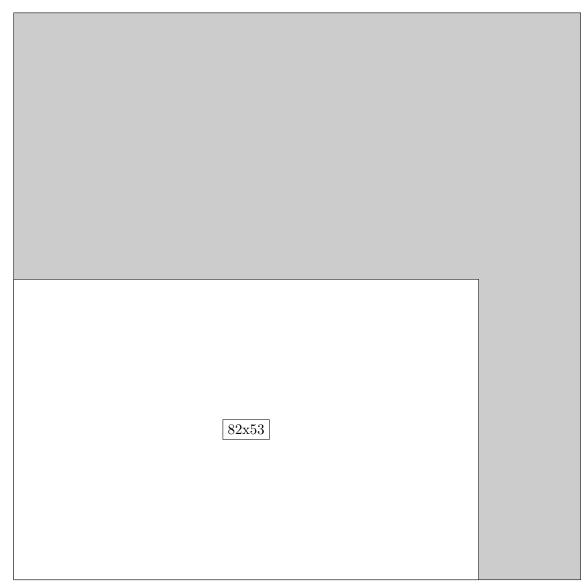
 $\overline{\mathbf{w}=}77$  , h =65 , x =0 , y =0 , v =5005



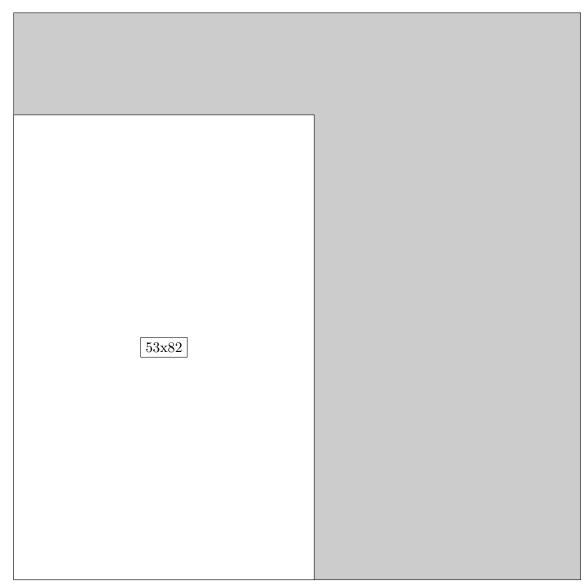
w = 66, h = 73, x = 0, y = 0, v = 4818



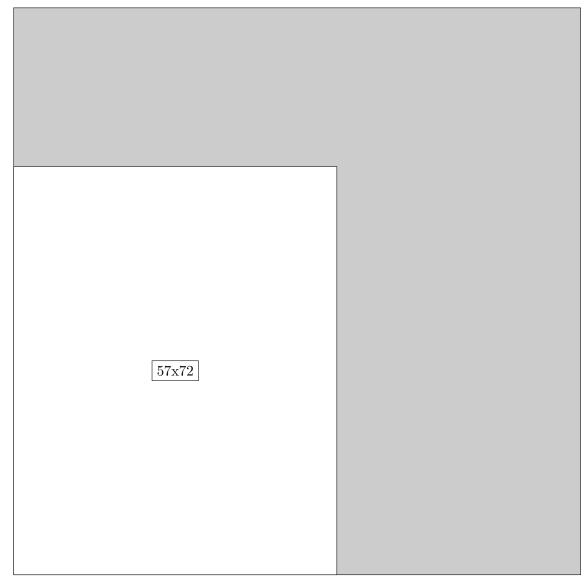
w = 54, h = 87, x = 0, y = 0, v = 4698



 $\le =82$  , h =53 , x =0 , y =0 , v =4346

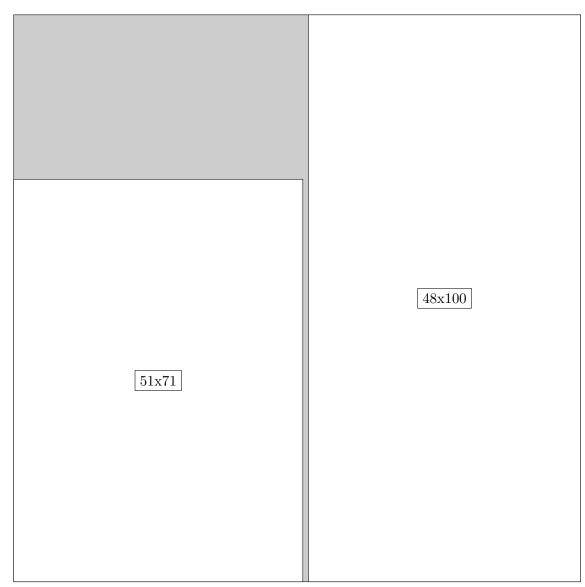


w = 53, h = 82, x = 0, y = 0, v = 4346

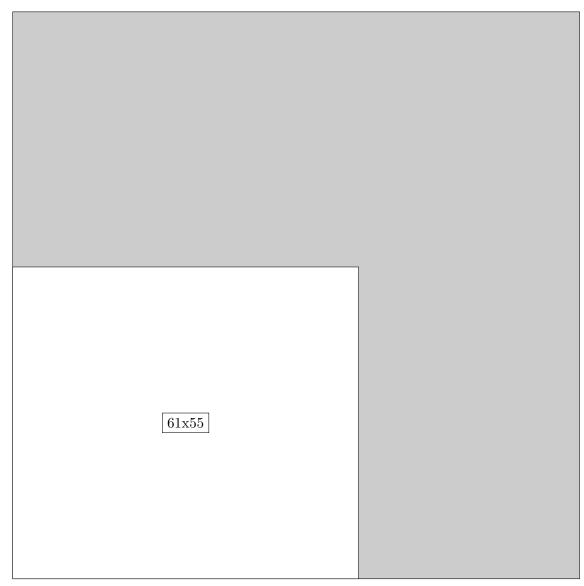


 $\mathbf{w}$  =57 , h =72 , x =0 , y =0 , v =4104

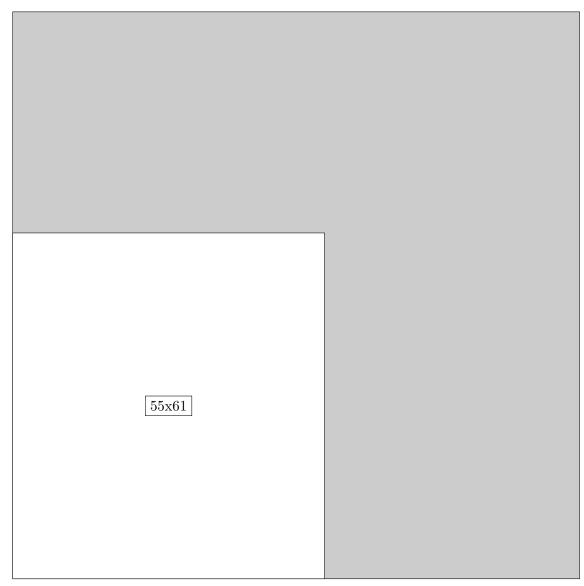




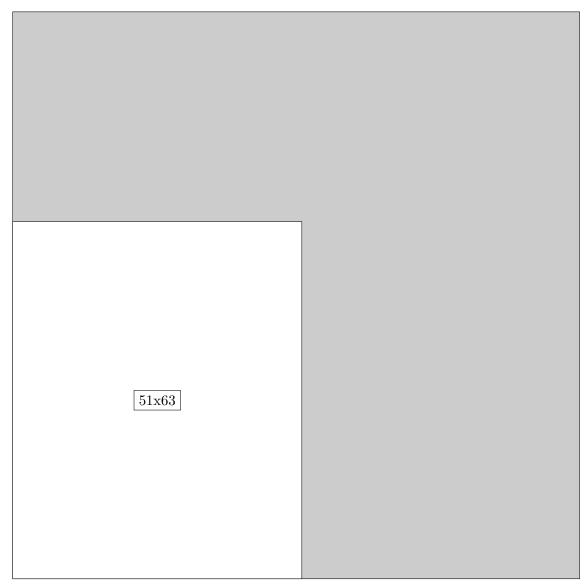
 $\begin{array}{l} w = \! 48 \ , \, h = \! 100 \ , \, x = \! 52 \ , \, y = \! 0 \ , \, v = \! 4800 \\ w = \! 51 \ , \, h = \! 71 \ , \, x = \! 0 \ , \, y = \! 0 \ , \, v = \! 3621 \end{array}$ 



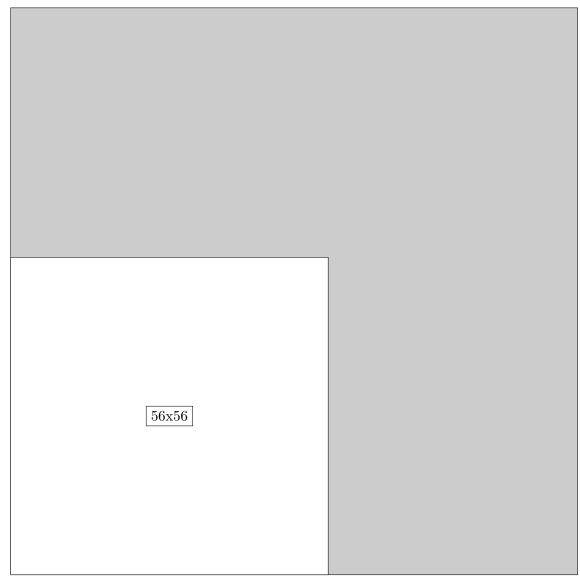
w = 61, h = 55, x = 0, y = 0, v = 3355



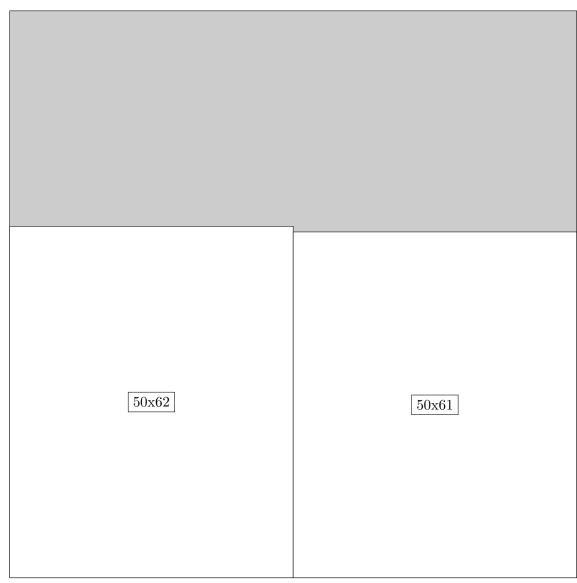
w = 55, h = 61, x = 0, y = 0, v = 3355



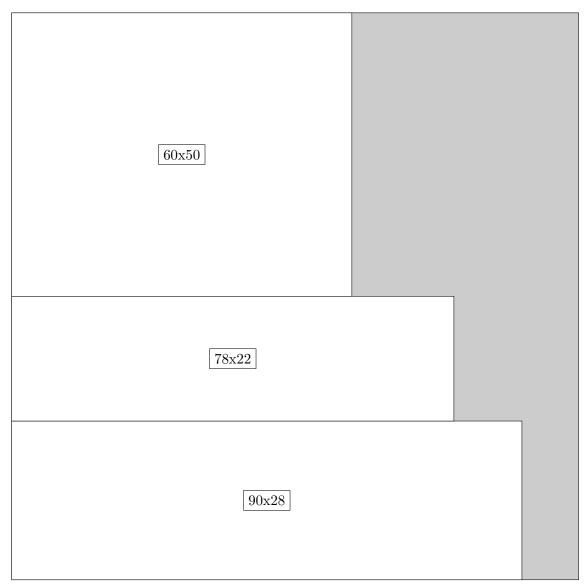
w = 51, h = 63, x = 0, y = 0, v = 3213



 $\overline{\rm w}$  =56 , h =56 , x =0 , y =0 , v =3136



$$\begin{array}{c} w = \! 50 \; , \; h = \! 62 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 3100 \\ w = \! 50 \; , \; h = \! 61 \; , \; x = \! 50 \; , \; y = \! 0 \; , \; v = \! 3050 \\ \end{array}$$



$$\mathbf{w}$$
 =60 ,  $\mathbf{h}$  =50 ,  $\mathbf{x}$  =0 ,  $\mathbf{y}$  =50 ,  $\mathbf{v}$  =3000

$$\le =90$$
 , h =28 , x =0 , y =0 , v =2520

$$\le -78$$
 , h =22 , x =0 , y =28 , v =1716



$$\begin{array}{l} w = \! 50 \ , \ h = \! 53 \ , \ x = \! 0 \ , \ y = \! 39 \ , \ v = \! 2650 \\ w = \! 75 \ , \ h = \! 39 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 2925 \end{array}$$