$ClassName: \ Class\_09.2bp-38$ 

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

TypeNum: <u>80</u> Num: <u>80</u> OutS: <u>490000</u> InS: <u>331660</u> Rate: <u>0.677</u> UB: <u>49</u> LB0: <u>49</u>

LBWithCut:  $\underline{\mathbf{49}}$ NodeCut:  $\mathbf{0}$ 

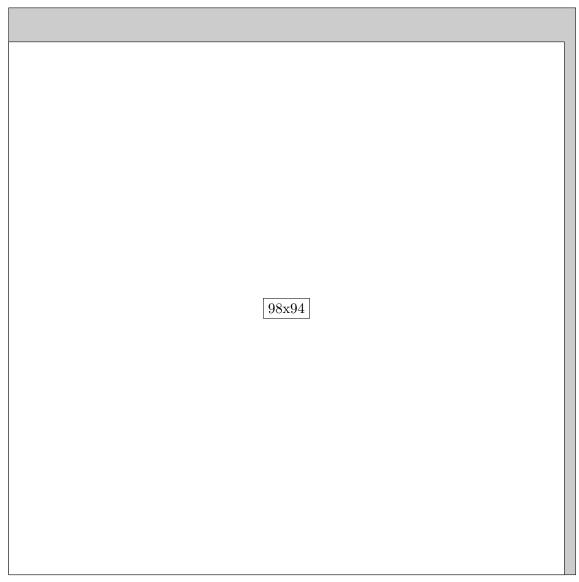
LB: **49** 

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

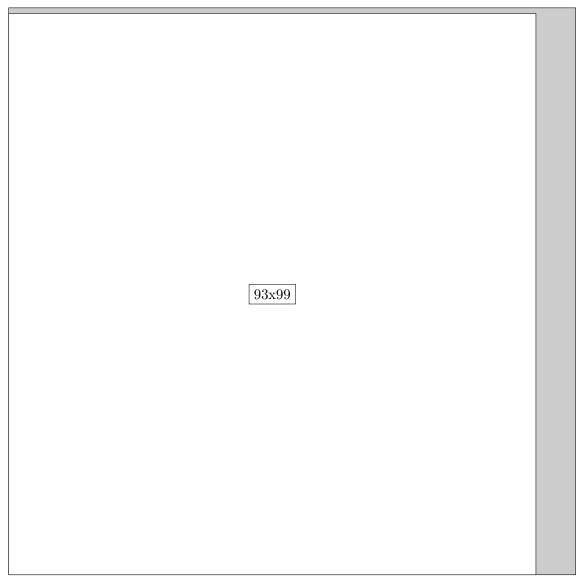
GenNodeCnt:  $\underline{\mathbf{1}}$ PrimalNode:  $\underline{\mathbf{0}}$ ColumnCount:  $\underline{\mathbf{49}}$ TotalCutCount:  $\underline{\mathbf{0}}$ RootCutCount:  $\underline{\mathbf{0}}$ LPSolverCnt:  $\underline{\mathbf{1}}$ PricingSolverCnt:  $\underline{\mathbf{0}}$ BranchAndBoundNum:  $\underline{\mathbf{1}}$ 

isOpt: **true** 

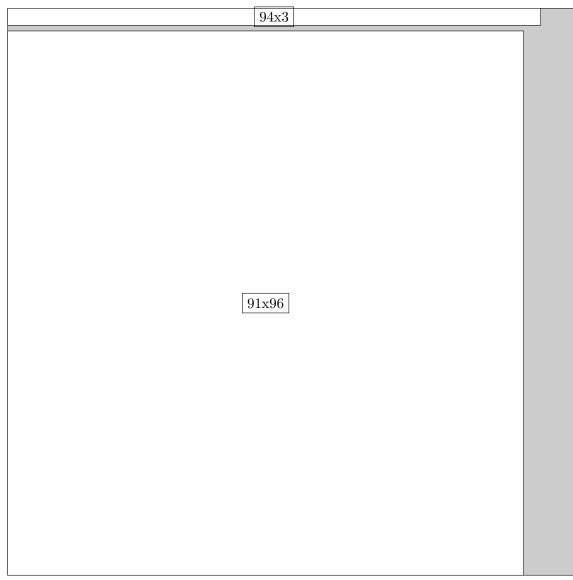
 $\begin{array}{ll} {\rm TimeOnInitSolution:} \ \underline{0.430 \ s} \\ {\rm TimeOnPrimal:} \ \underline{0.000 \ s} \\ {\rm TimeOnPricing:} \ \underline{0.000 \ s} \\ {\rm TimeOnRmp:} \ \underline{0.078 \ s} \\ {\rm TotalTime:} \ \underline{0.570 \ s} \end{array}$ 



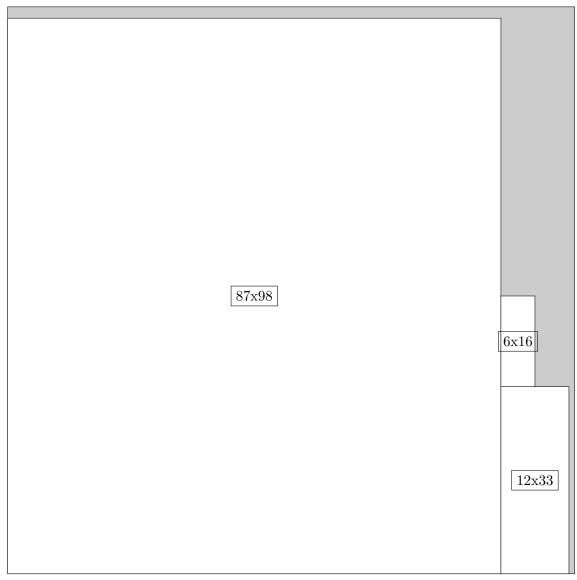
w = 98, h = 94, x = 0, y = 0, v = 9212



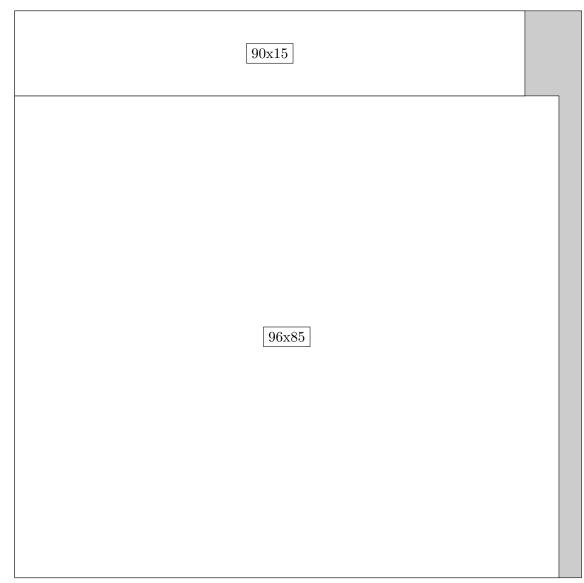
w = 93, h = 99, x = 0, y = 0, v = 9207

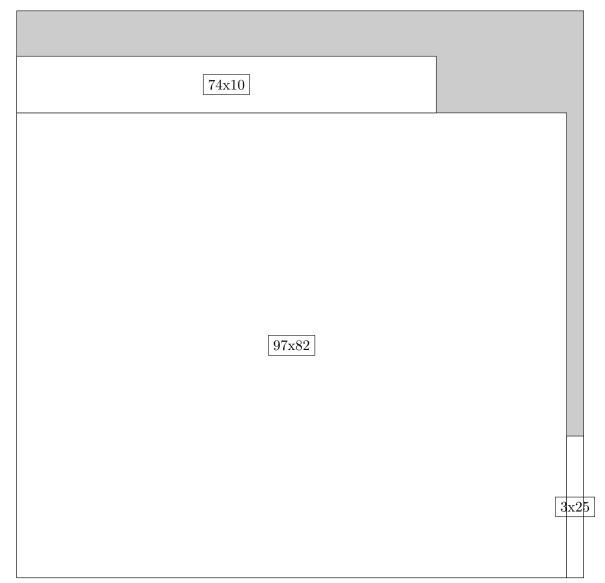


$$\begin{array}{l} w = \! 91 \ , \, h = \! 96 \ , \, x = \! 0 \ , \, y = \! 0 \ , \, v = \! 8736 \\ w = \! 94 \ , \, h = \! 3 \ , \, x = \! 0 \ , \, y = \! 97 \ , \, v = \! 282 \end{array}$$

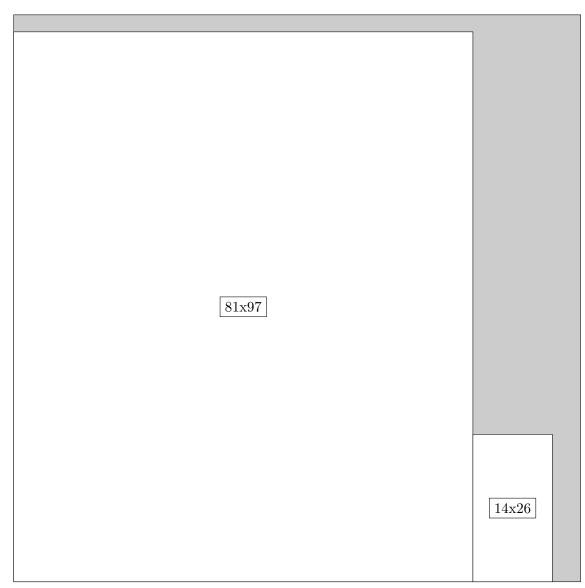


$$\begin{array}{l} w = \! 87 \;,\; h = \! 98 \;,\; x = \! 0 \;,\; y = \! 0 \;,\; v = \! 8526 \\ w = \! 12 \;,\; h = \! 33 \;,\; x = \! 87 \;,\; y = \! 0 \;,\; v = \! 396 \\ w = \! 6 \;,\; h = \! 16 \;,\; x = \! 87 \;,\; y = \! 33 \;,\; v = \! 96 \end{array}$$

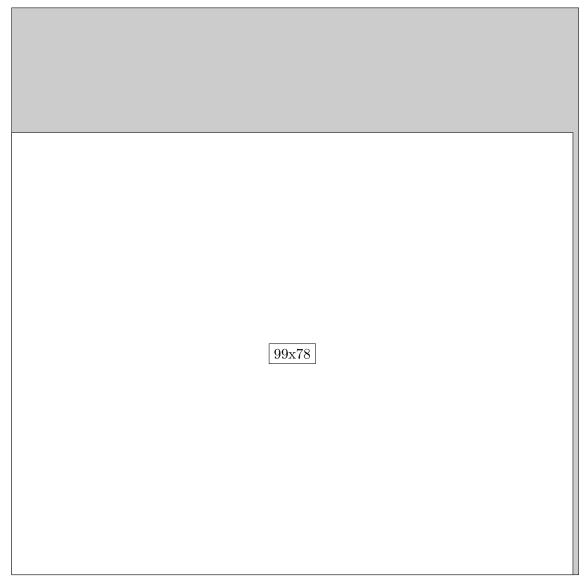




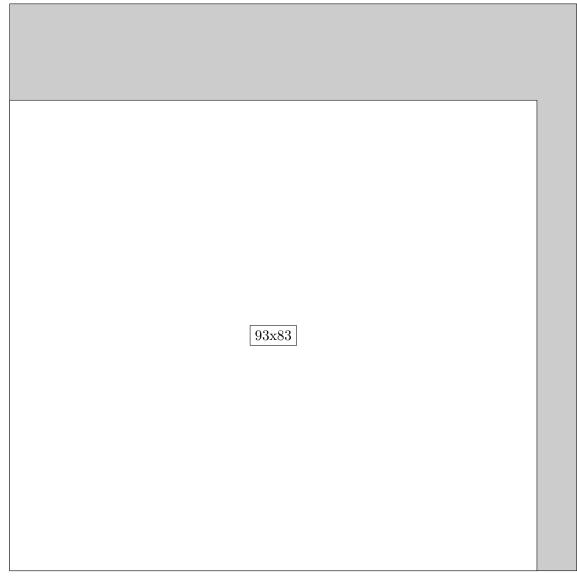
$$\begin{array}{l} w = \! 97 \;,\; h = \! 82 \;,\; x = \! 0 \;,\; y = \! 0 \;,\; v = \! 7954 \\ w = \! 74 \;,\; h = \! 10 \;,\; x = \! 0 \;,\; y = \! 82 \;,\; v = \! 740 \\ w = \! 3 \;,\; h = \! 25 \;,\; x = \! 97 \;,\; y = \! 0 \;,\; v = \! 75 \end{array}$$



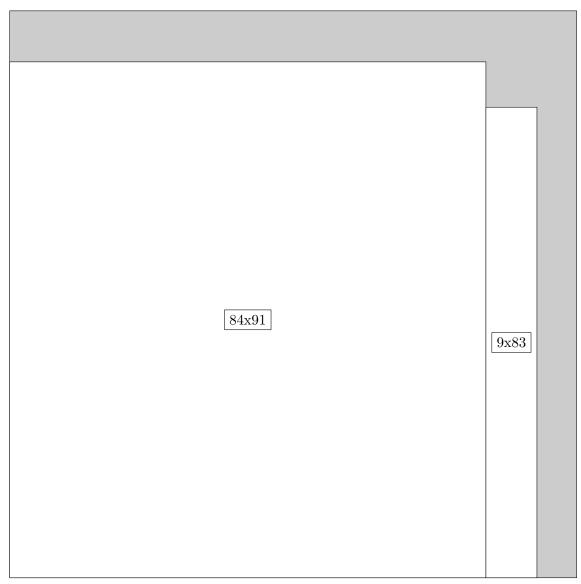
$$\begin{array}{c} w = \! 81 \; , \; h = \! 97 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 7857 \\ w = \! 14 \; , \; h = \! 26 \; , \; x = \! 81 \; , \; y = \! 0 \; , \; v = \! 364 \\ \end{array}$$



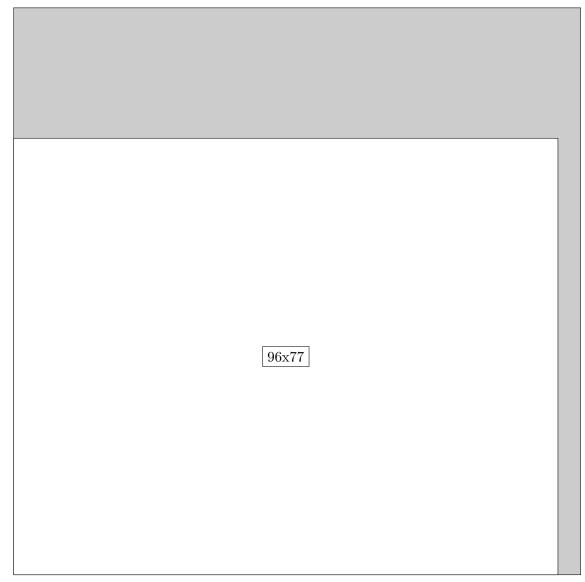
 $\le =99$  , h =78 , x =0 , y =0 , v =7722



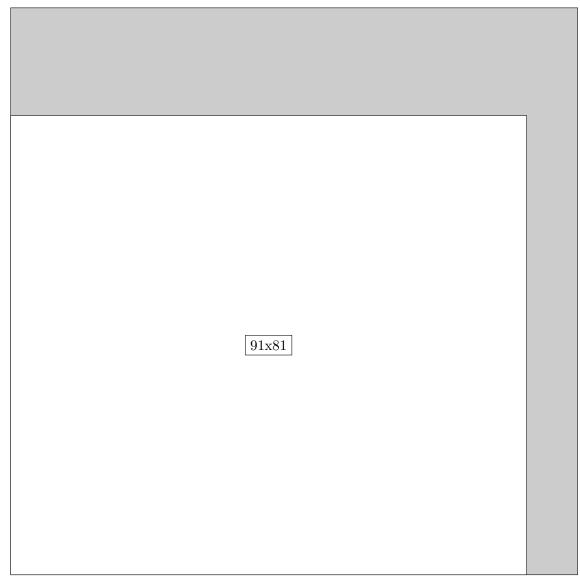
w = 93, h = 83, x = 0, y = 0, v = 7719



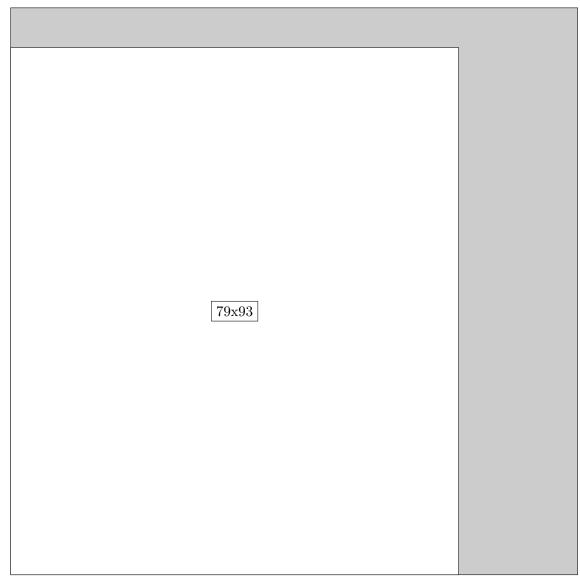
$$\begin{array}{l} w = \! 84 \ , \, h = \! 91 \ , \, x = \! 0 \ , \, y = \! 0 \ , \, v = \! 7644 \\ w = \! 9 \ , \, h = \! 83 \ , \, x = \! 84 \ , \, y = \! 0 \ , \, v = \! 747 \end{array}$$



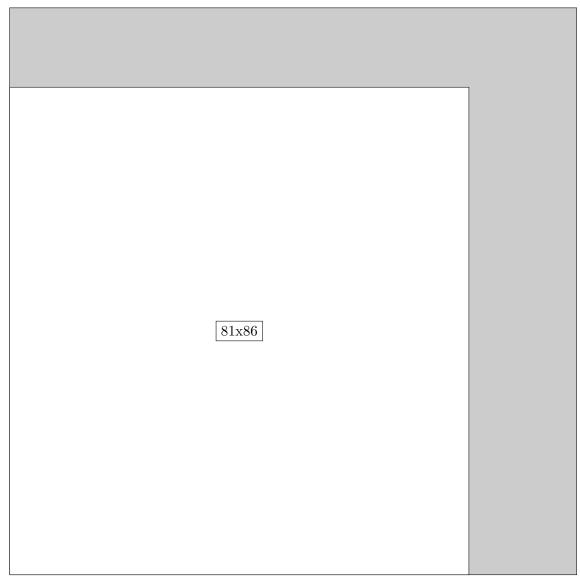
 $\le =96$  , h =77 , x =0 , y =0 , v =7392



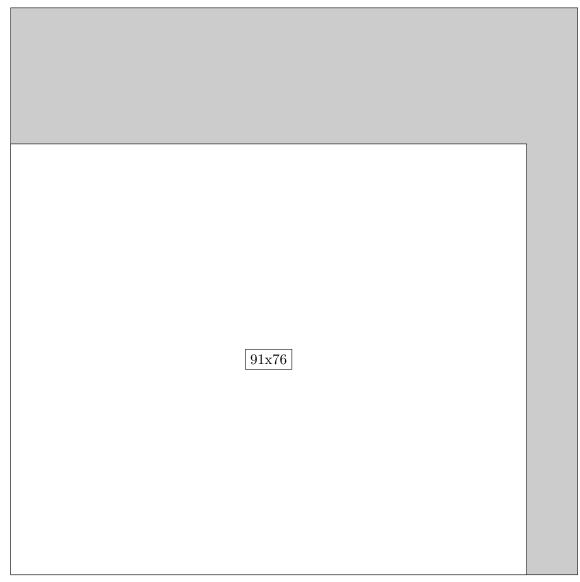
 $\le =91$  , h =81 , x =0 , y =0 , v =7371



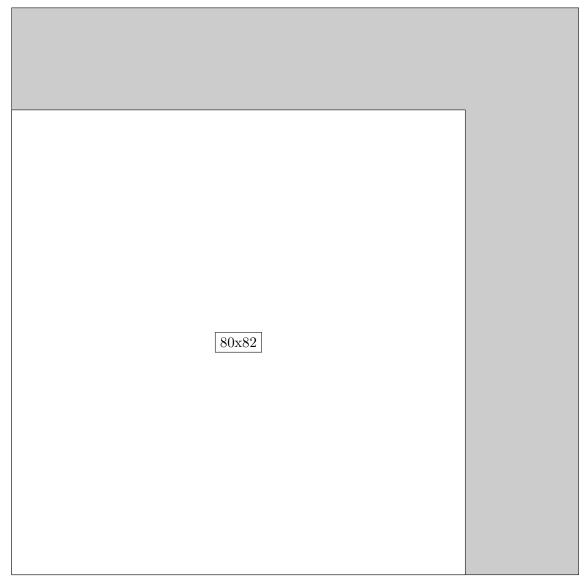
 $\mathbf{w}$  =79 , h =93 , x =0 , y =0 , v =7347



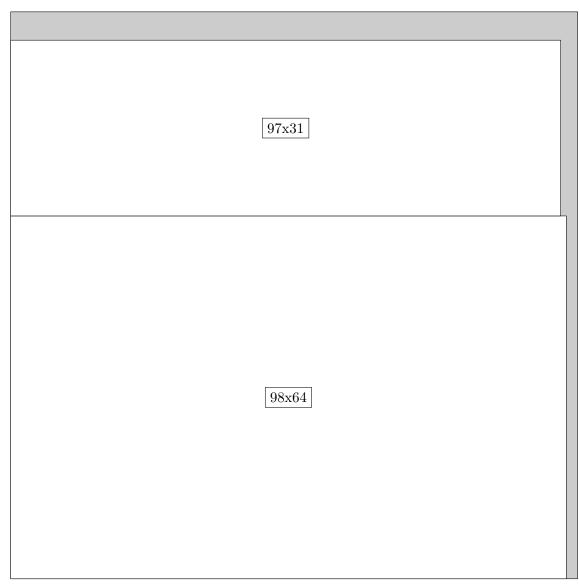
 $\overline{w} = 81$ , h = 86, x = 0, y = 0, v = 6966



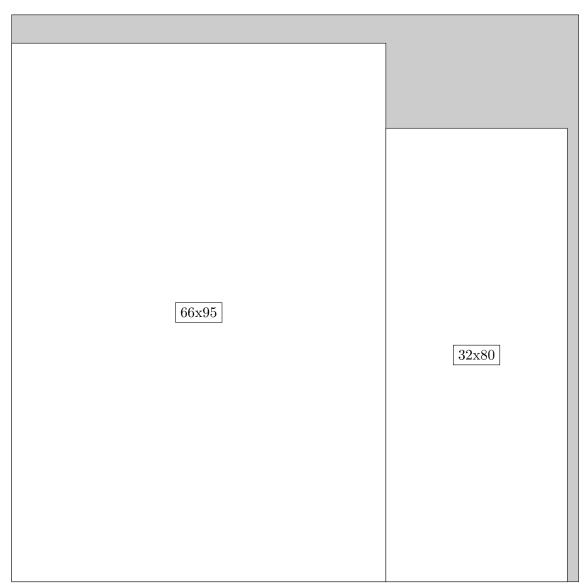
 $\overline{\rm w}$  =91 , h =76 , x =0 , y =0 , v =6916



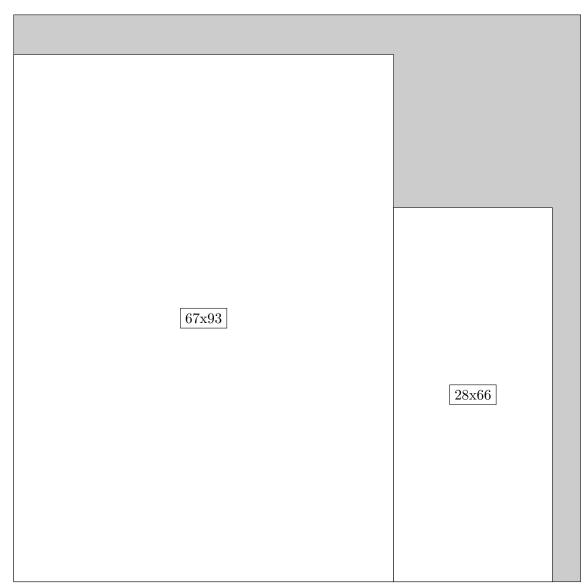
w = 80, h = 82, x = 0, y = 0, v = 6560



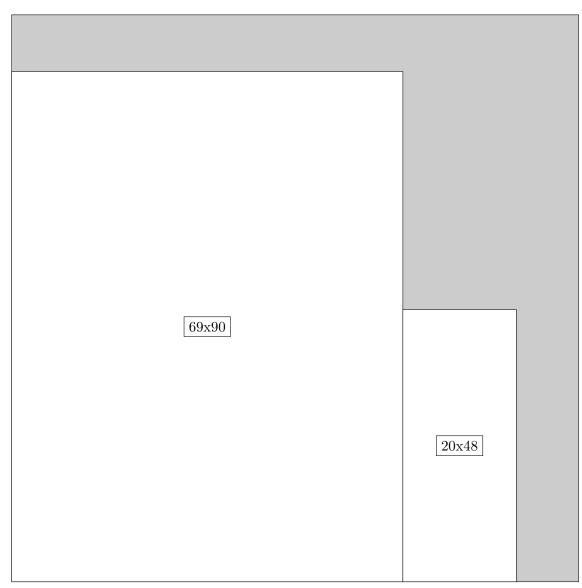
$$\begin{array}{l} w = \! 98 \ , \ h = \! 64 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 6272 \\ w = \! 97 \ , \ h = \! 31 \ , \ x = \! 0 \ , \ y = \! 64 \ , \ v = \! 3007 \end{array}$$

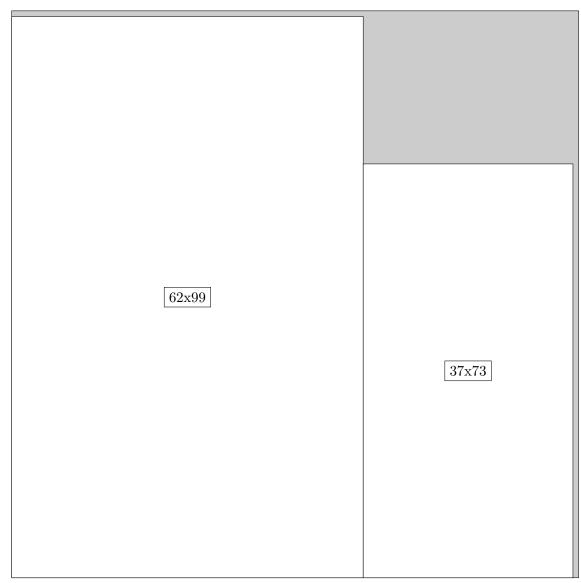


$$\begin{array}{c} w = \!\!\! 66 \; , \; h = \!\!\! 95 \; , \; x = \!\!\! 0 \; , \; y = \!\!\! 0 \; , \; v = \!\!\! 6270 \\ w = \!\!\! 32 \; , \; h = \!\!\! 80 \; , \; x = \!\!\! 66 \; , \; y = \!\!\! 0 \; , \; v = \!\!\! 2560 \\ \end{array}$$

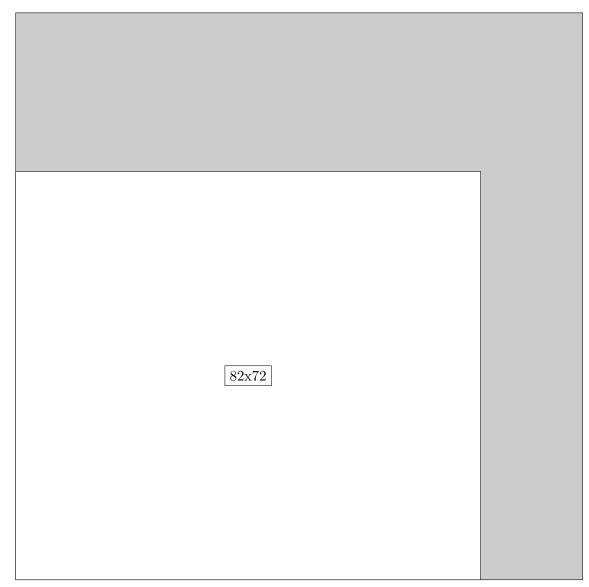


$$\begin{array}{c} w = \!\!67 \; , \; h = \!\!93 \; , \; x = \!\!0 \; , \; y = \!\!0 \; , \; v = \!\!6231 \\ w = \!\!28 \; , \; h = \!\!66 \; , \; x = \!\!67 \; , \; y = \!\!0 \; , \; v = \!\!1848 \\ \end{array}$$

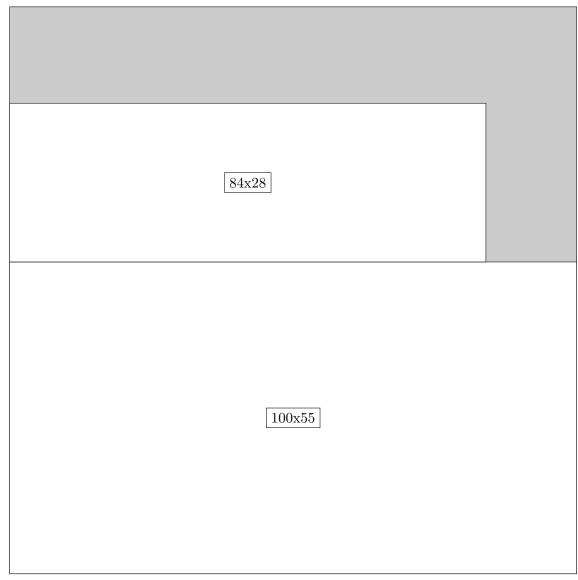




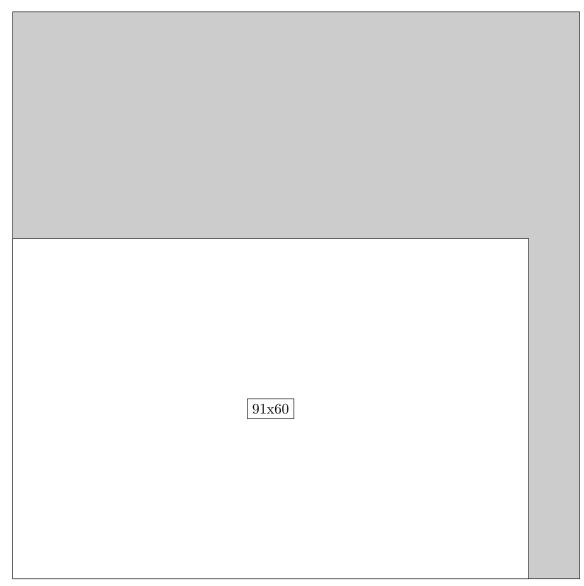
$$\begin{array}{c} w = 62 \; , \; h = 99 \; , \; x = 0 \; , \; y = 0 \; , \; v = 6138 \\ w = 37 \; , \; h = 73 \; , \; x = 62 \; , \; y = 0 \; , \; v = 2701 \\ \end{array}$$



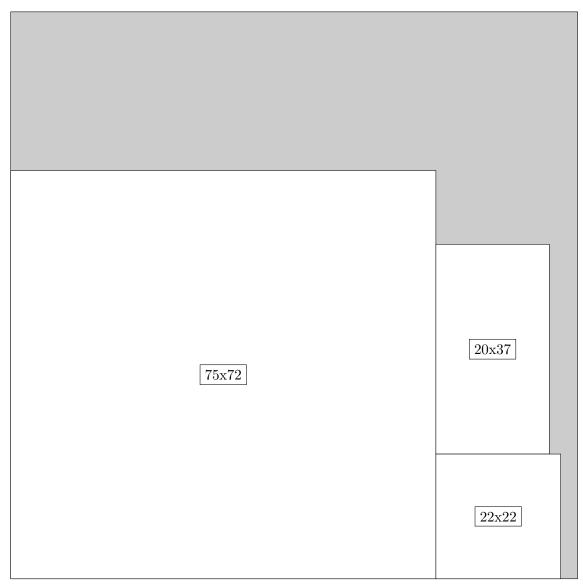
 $\le =82$  , h =72 , x =0 , y =0 , v =5904



$$\begin{array}{c} w = \! 100 \; , \; h = \! 55 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 5500 \\ w = \! 84 \; , \; h = \! 28 \; , \; x = \! 0 \; , \; y = \! 55 \; , \; v = \! 2352 \end{array}$$



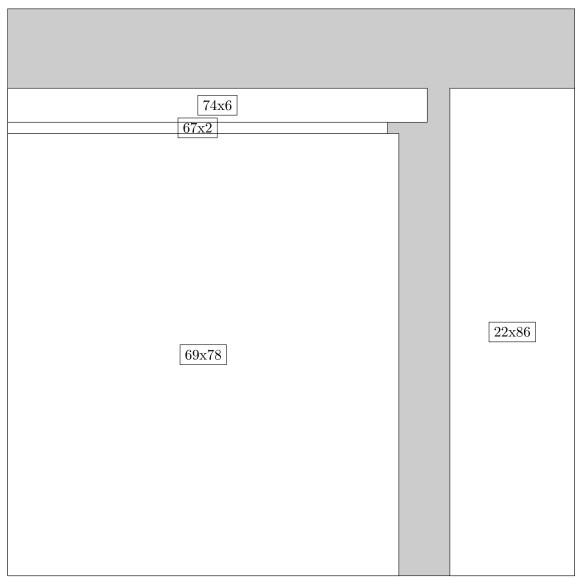
w = 91, h = 60, x = 0, y = 0, v = 5460



$$w = 75$$
,  $h = 72$ ,  $x = 0$ ,  $y = 0$ ,  $v = 5400$ 

$$w = 20$$
 ,  $h = 37$  ,  $x = 75$  ,  $y = 22$  ,  $v = 740$ 

$$\le =22$$
 , h =22 , x =75 , y =0 , v =484

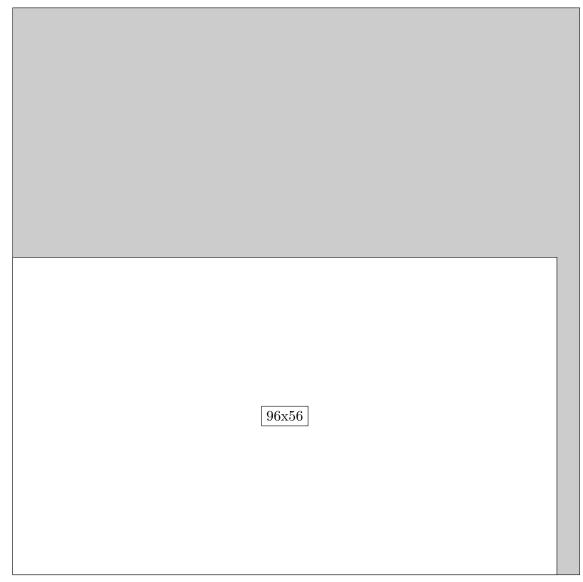


$$\le =69$$
 ,  $h$  =78 ,  $x$  =0 ,  $y$  =0 ,  $v$  =5382

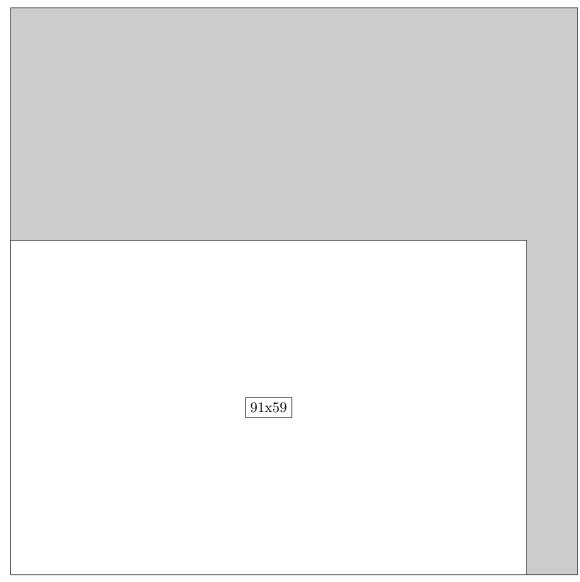
$$\le =22$$
 ,  $h=86$  ,  $x=78$  ,  $y=0$  ,  $v=1892$ 

$$\le =74$$
 , h =6 , x =0 , y =80 , v =444

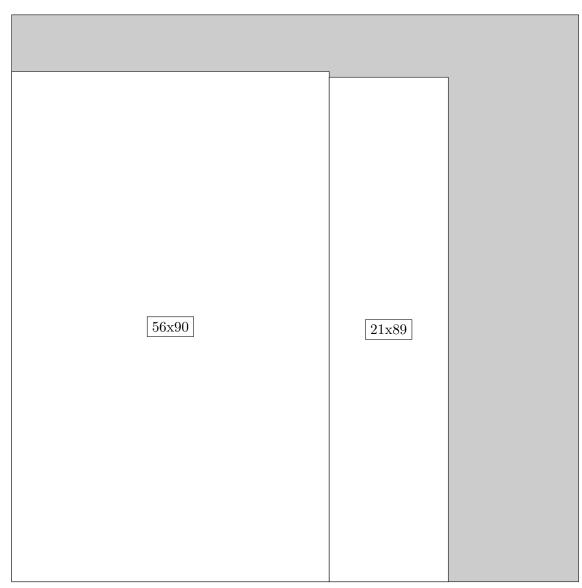
$$\mathbf{w}$$
 =67 , h =2 , x =0 , y =78 , v =134

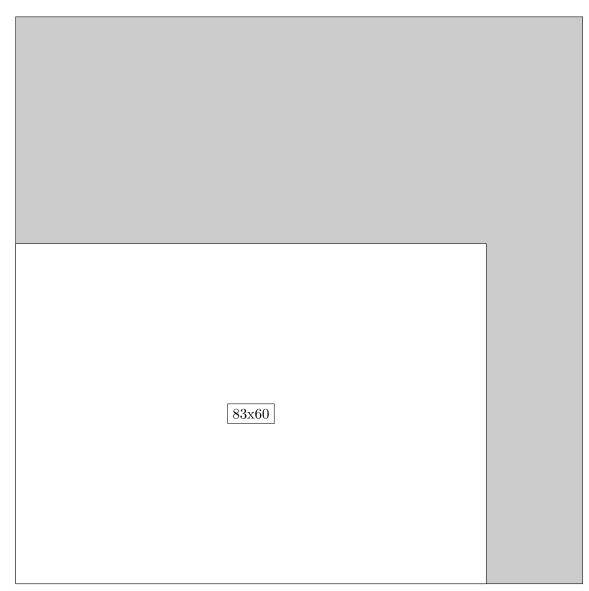


 $\le =96$  , h=56 , x=0 , y=0 , v=5376

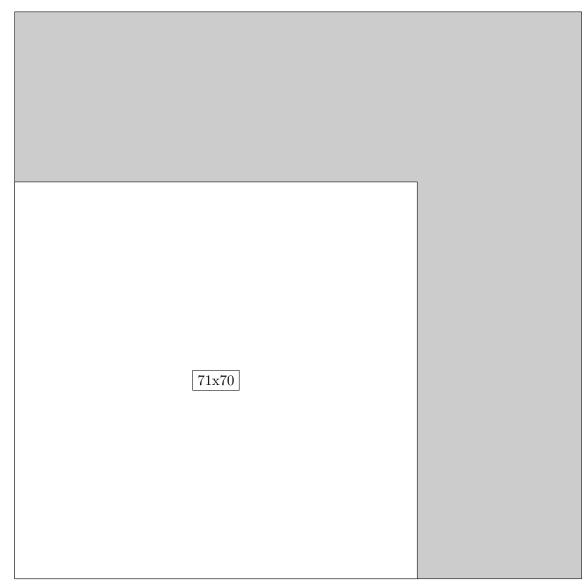


 $\le =91$  , h =59 , x =0 , y =0 , v =5369

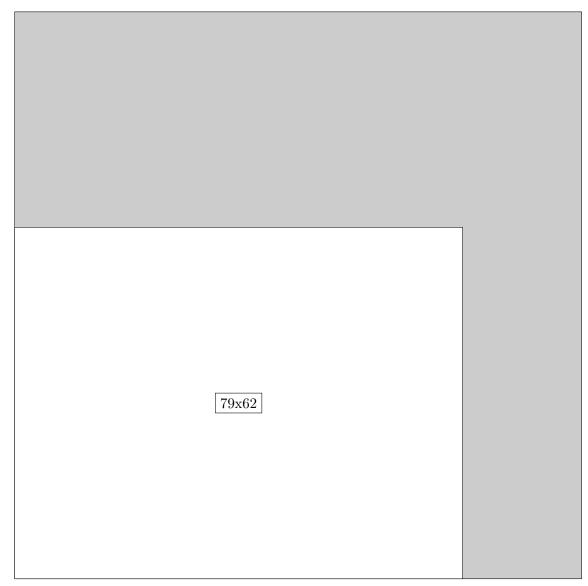




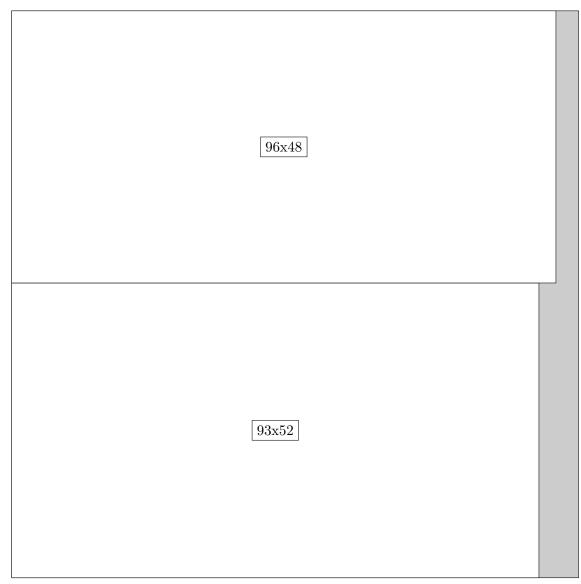
 $\overline{\rm w}$  =83 , h =60 , x =0 , y =0 , v =4980

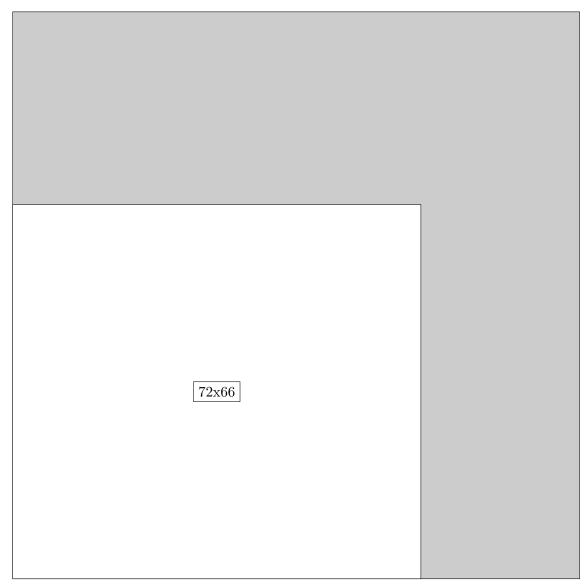


w = 71, h = 70, x = 0, y = 0, v = 4970

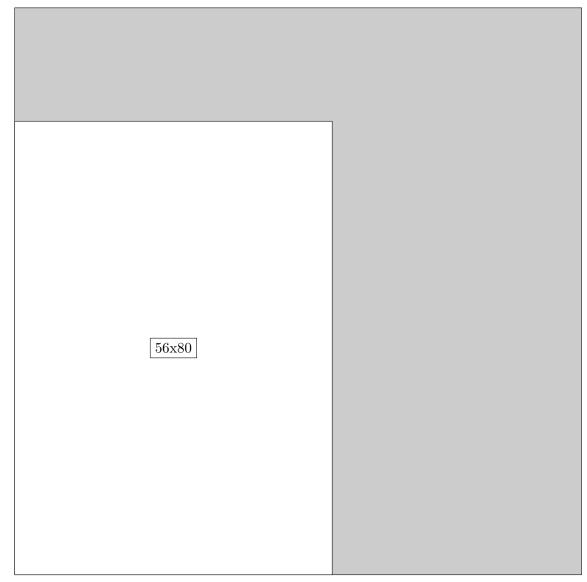


w = 79, h = 62, x = 0, y = 0, v = 4898

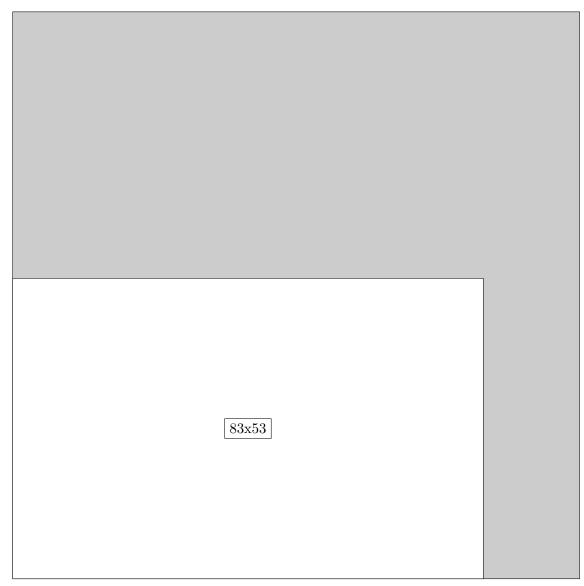




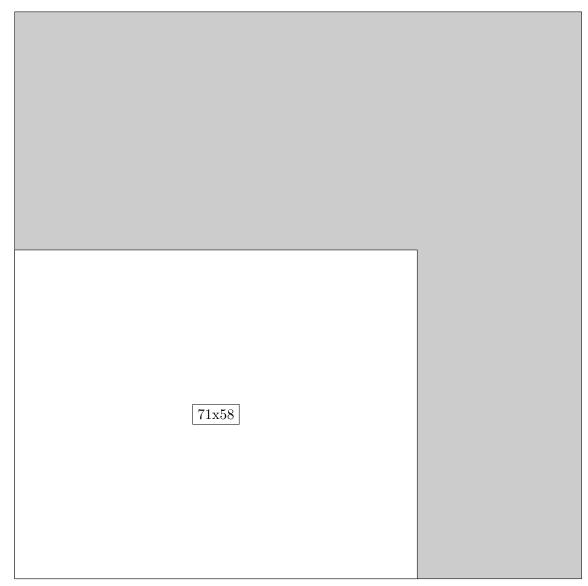
w = 72, h = 66, x = 0, y = 0, v = 4752



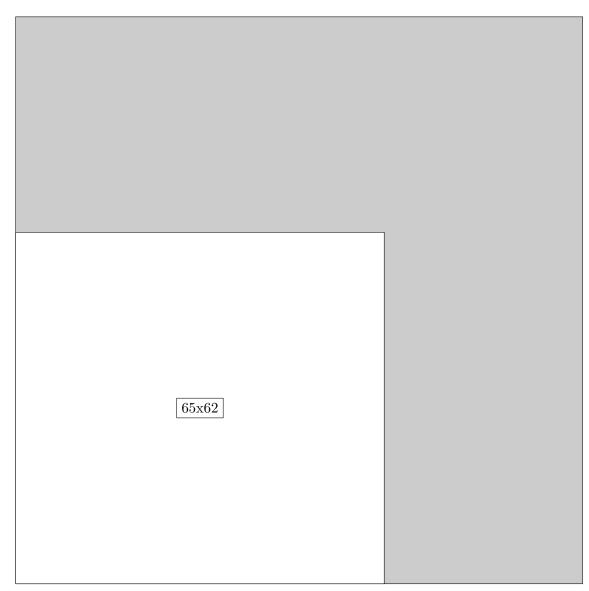
w = 56, h = 80, x = 0, y = 0, v = 4480



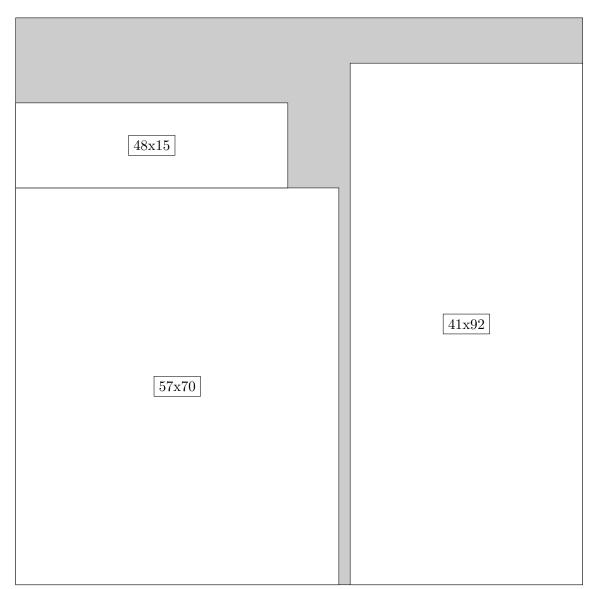
 $\le =83$  , h =53 , x =0 , y =0 , v =4399



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



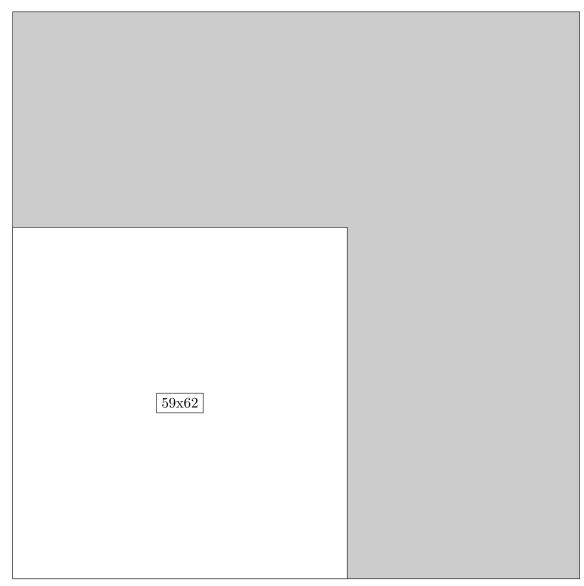
w = 65, h = 62, x = 0, y = 0, v = 4030



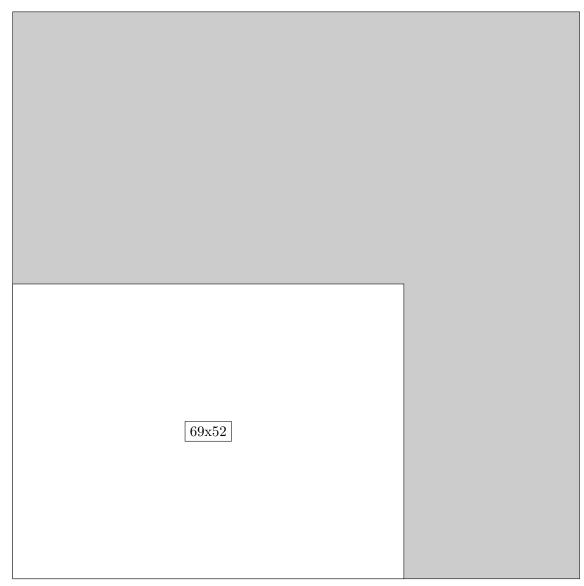
$$\le 57$$
 , h =  
70 , x =  
0 , y =  
0 , v =  
3990

$$\le =41$$
 , h =92 , x =59 , y =0 , v =3772

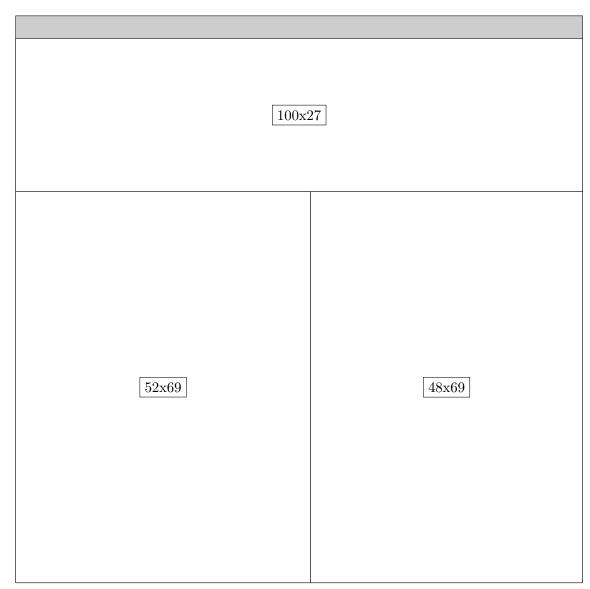
$$\le =48$$
 , h =15 , x =0 , y =70 , v =720



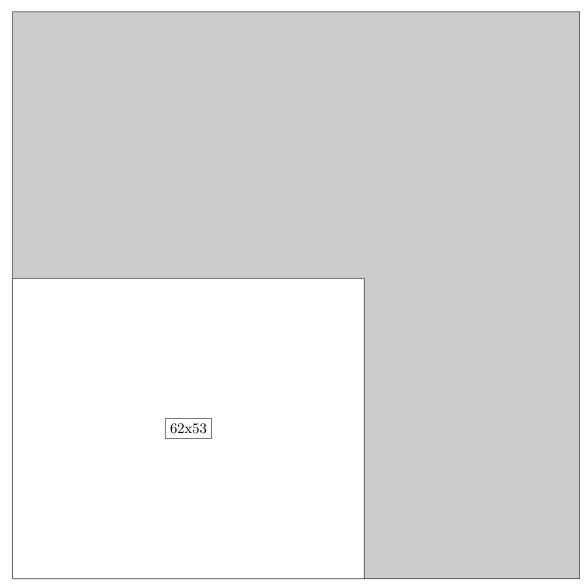
w = 59, h = 62, x = 0, y = 0, v = 3658



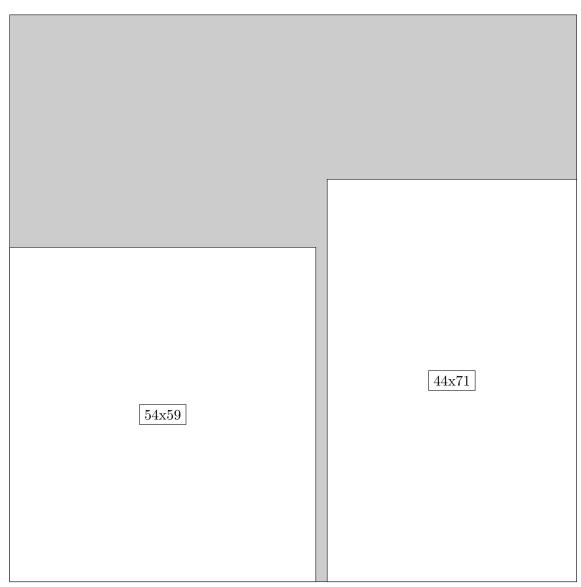
w = 69, h = 52, x = 0, y = 0, v = 3588



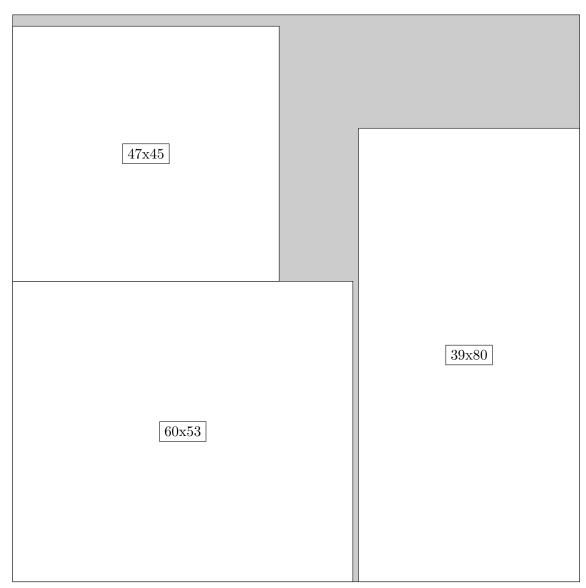
$$\begin{array}{l} w = \!\! 52 \; , \; h = \!\! 69 \; , \; x = \!\! 0 \; , \; y = \!\! 0 \; , \; v = \!\! 3588 \\ w = \!\! 48 \; , \; h = \!\! 69 \; , \; x = \!\! 52 \; , \; y = \!\! 0 \; , \; v = \!\! 3312 \\ w = \!\! 100 \; , \; h = \!\! 27 \; , \; x = \!\! 0 \; , \; y = \!\! 69 \; , \; v = \!\! 2700 \end{array}$$



w = 62, h = 53, x = 0, y = 0, v = 3286

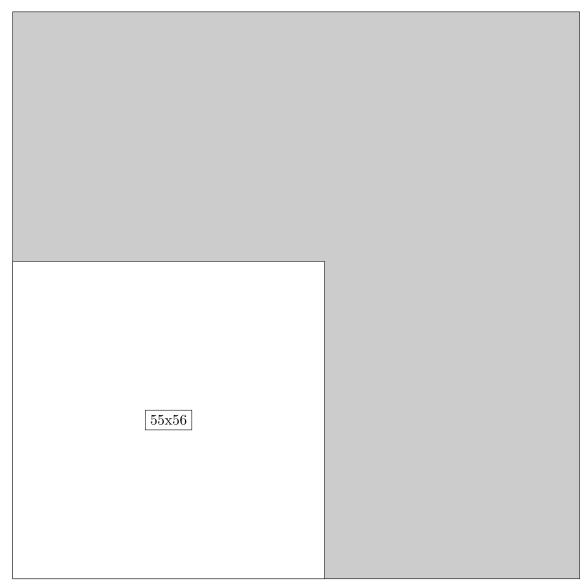


$$\begin{array}{c} w = \!54 \; , \; h = \!59 \; , \; x = \!0 \; , \; y = \!0 \; , \; v = \!3186 \\ w = \!44 \; , \; h = \!71 \; , \; x = \!56 \; , \; y = \!0 \; , \; v = \!3124 \\ \end{array}$$

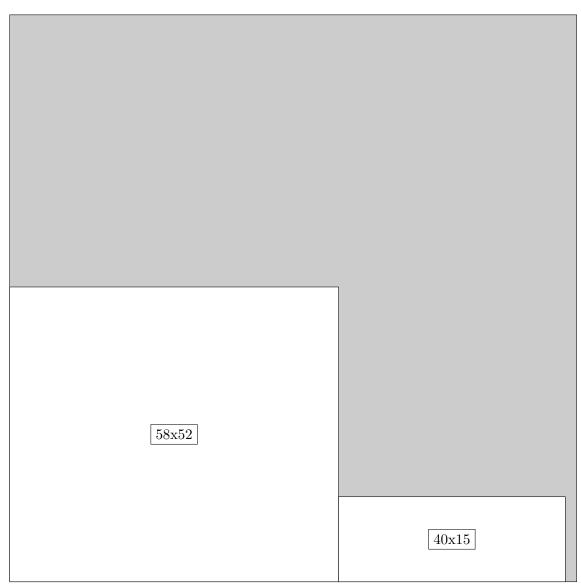


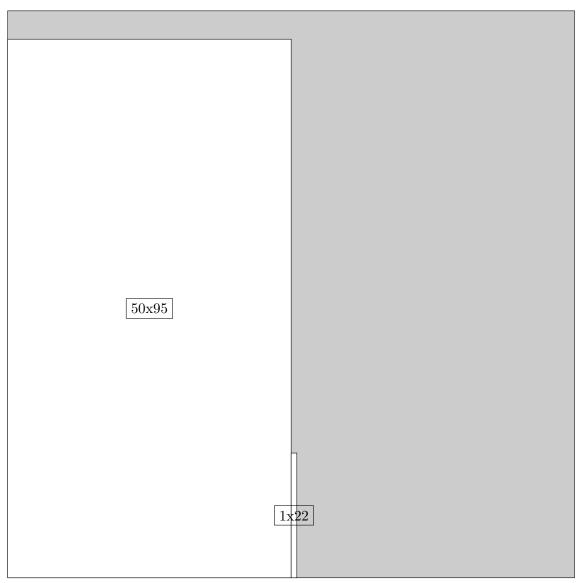
$$\begin{array}{l} w = \! 60 \ , \ h = \! 53 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 3180 \\ w = \! 39 \ , \ h = \! 80 \ , \ x = \! 61 \ , \ y = \! 0 \ , \ v = \! 3120 \end{array}$$

$$\mathbf{w}$$
 =47 , h =45 , x =0 , y =53 , v =2115



 $\overline{w} = 55$ , h = 56, x = 0, y = 0, v = 3080





 $\begin{array}{l} w = \! 50 \ , \, h = \! 95 \ , \, x = \! 0 \ , \, y = \! 0 \ , \, v = \! 4750 \\ w = \! 1 \ , \, h = \! 22 \ , \, x = \! 50 \ , \, y = \! 0 \ , \, v = \! 22 \end{array}$ 



$$\begin{array}{c} w = \! 81 \; , \; h = \! 50 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 4050 \\ w = \! 77 \; , \; h = \! 50 \; , \; x = \! 0 \; , \; y = \! 50 \; , \; v = \! 3850 \\ \end{array}$$