$ClassName: \ Class\_09.2bp-44$ 

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

TypeNum: <u>99</u>
Num: <u>100</u>
OutS: <u>650000</u>
InS: <u>412717</u>
Rate: <u>0.635</u>
UB: <u>65</u>
LB: <u>65</u>
LB: <u>65</u>

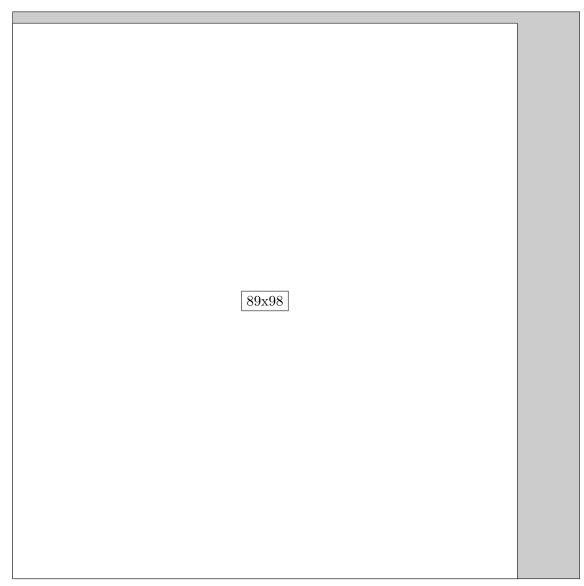
LBWithCut:  $\underline{\mathbf{65}}$ NodeCut:  $\underline{\mathbf{0}}$ 

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

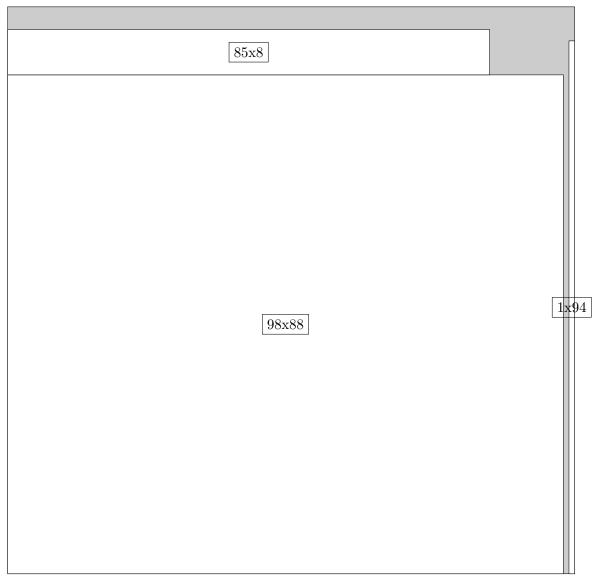
GenNodeCnt:  $\underline{\mathbf{1}}$ PrimalNode:  $\underline{\mathbf{0}}$ ColumnCount:  $\underline{\mathbf{65}}$ TotalCutCount:  $\underline{\mathbf{0}}$ RootCutCount:  $\underline{\mathbf{0}}$ LPSolverCnt:  $\underline{\mathbf{1}}$ PricingSolverCnt:  $\underline{\mathbf{0}}$ BranchAndBoundNum:  $\underline{\mathbf{1}}$ 

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

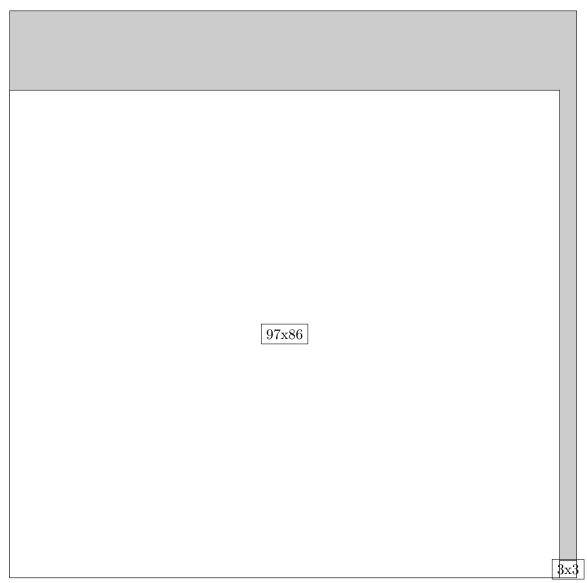
TimeOnInitSolution:  $\underline{0.470 \text{ s}}$  TimeOnPrimal:  $\underline{0.000 \text{ s}}$  TimeOnPricing:  $\underline{0.000 \text{ s}}$  TimeOnRmp:  $\underline{0.078 \text{ s}}$  TotalTime:  $\underline{0.611 \text{ s}}$ 



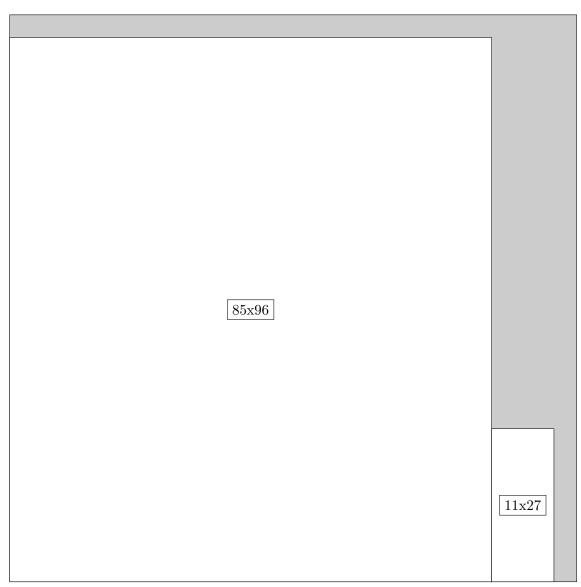
 $\le =89$  , h =98 , x =0 , y =0 , v =8722



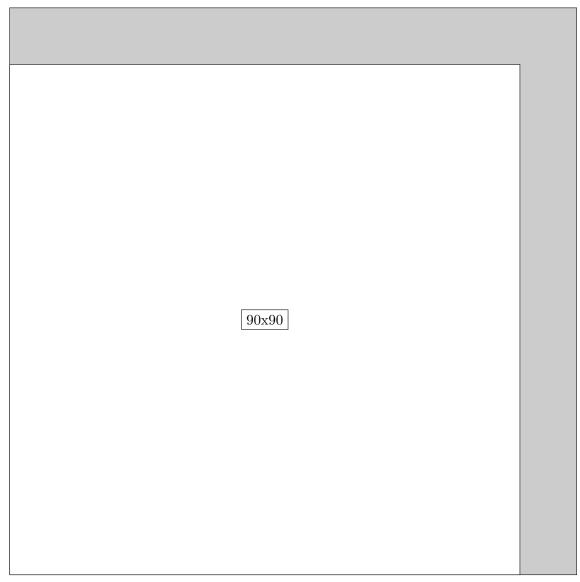
$$\begin{array}{l} w = \! 98 \ , \, h = \! 88 \ , \, x = \! 0 \ , \, y = \! 0 \ , \, v = \! 8624 \\ w = \! 85 \ , \, h = \! 8 \ , \, x = \! 0 \ , \, y = \! 88 \ , \, v = \! 680 \\ w = \! 1 \ , \, h = \! 94 \ , \, x = \! 99 \ , \, y = \! 0 \ , \, v = \! 94 \end{array}$$



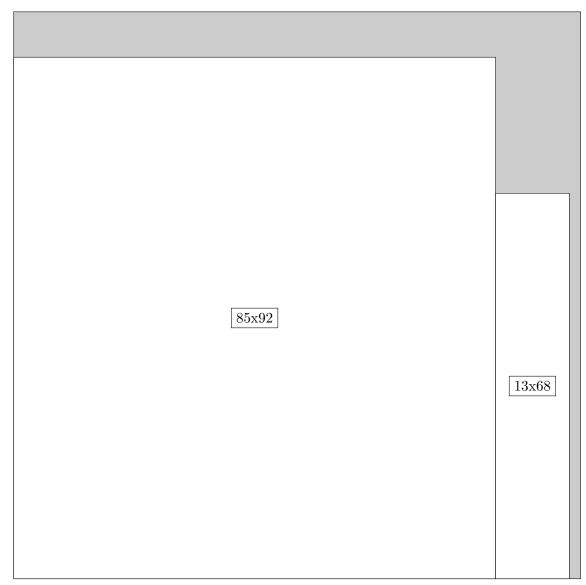
$$\begin{array}{l} w = \! 97 \; , \; h = \! 86 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 8342 \\ w = \! 3 \; , \; h = \! 3 \; , \; x = \! 97 \; , \; y = \! 0 \; , \; v = \! 9 \end{array}$$

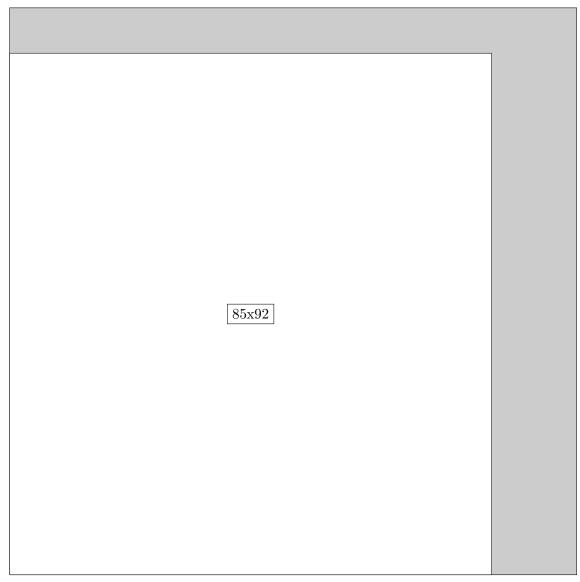


$$\begin{array}{c} w = \! 85 \; , \; h = \! 96 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 8160 \\ w = \! 11 \; , \; h = \! 27 \; , \; x = \! 85 \; , \; y = \! 0 \; , \; v = \! 297 \\ \end{array}$$

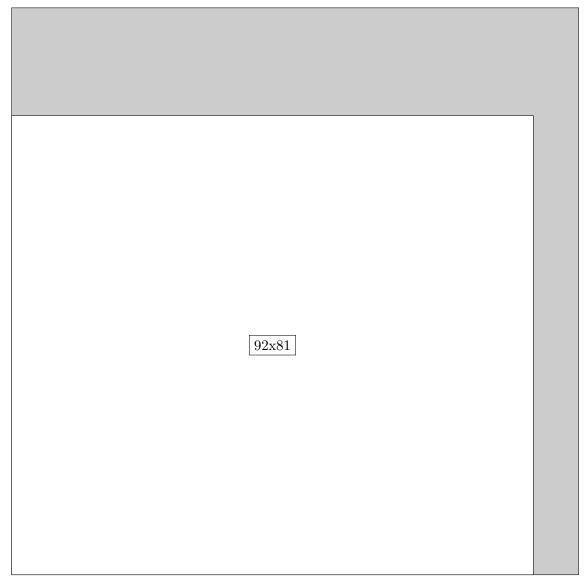


 $\overline{w} = 90$ , h = 90, x = 0, y = 0, v = 8100

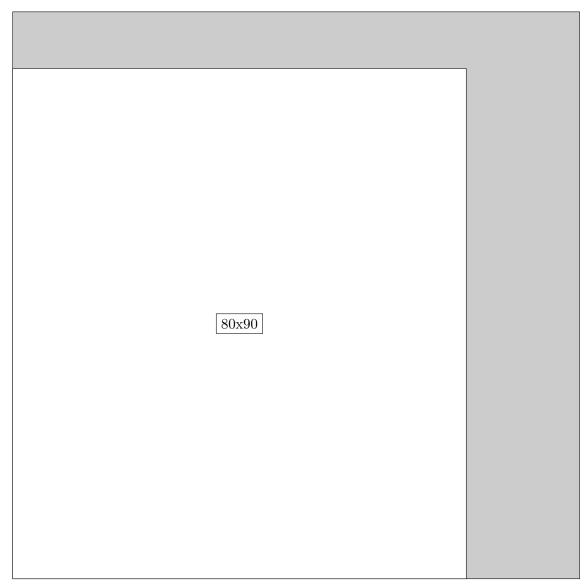




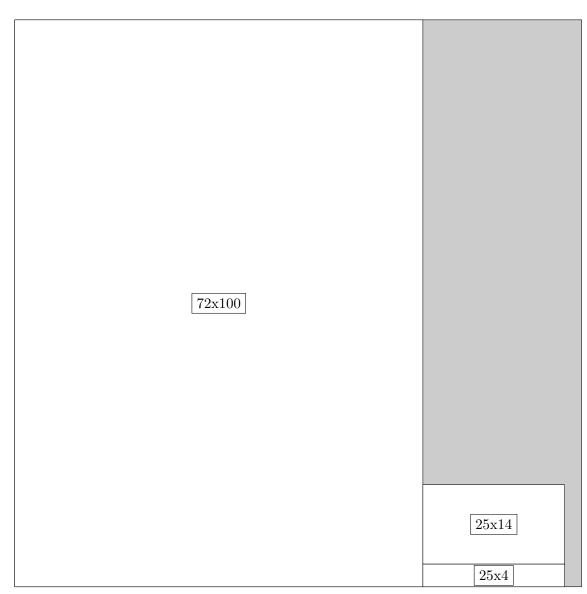
 $\le =85$  , h =92 , x =0 , y =0 , v =7820



 $\le =92$  , h =81 , x =0 , y =0 , v =7452



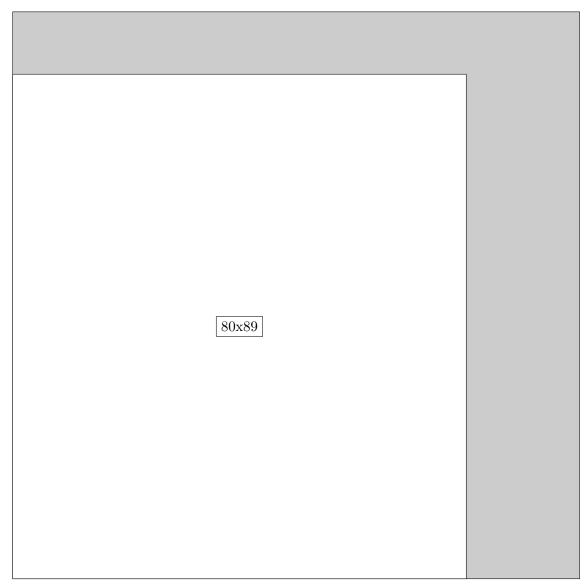
 $\le =80$  , h =90 , x =0 , y =0 , v =7200



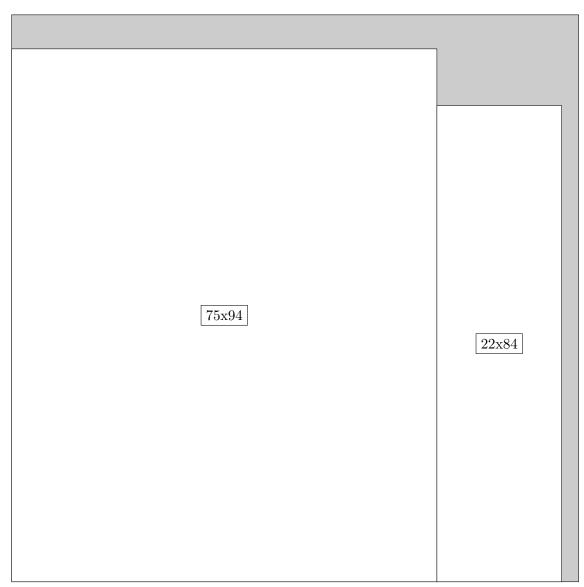
$$w = 72$$
,  $h = 100$ ,  $x = 0$ ,  $y = 0$ ,  $v = 7200$ 

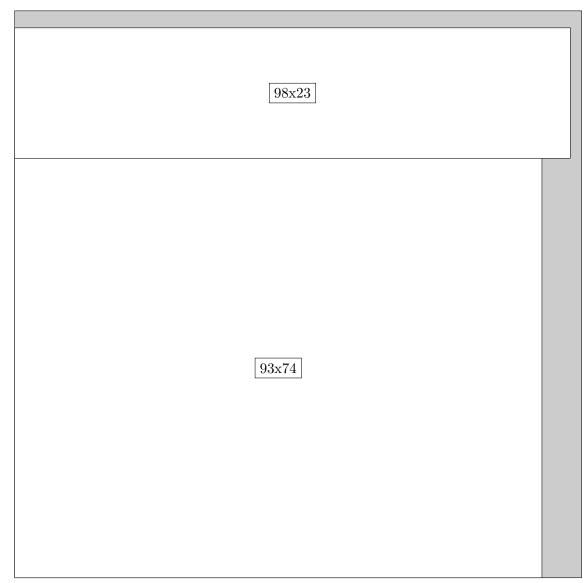
$$\le =25$$
 , h =14 , x =72 , y =4 , v =350

$$\le =25$$
 , h =4 , x =72 , y =0 , v =100

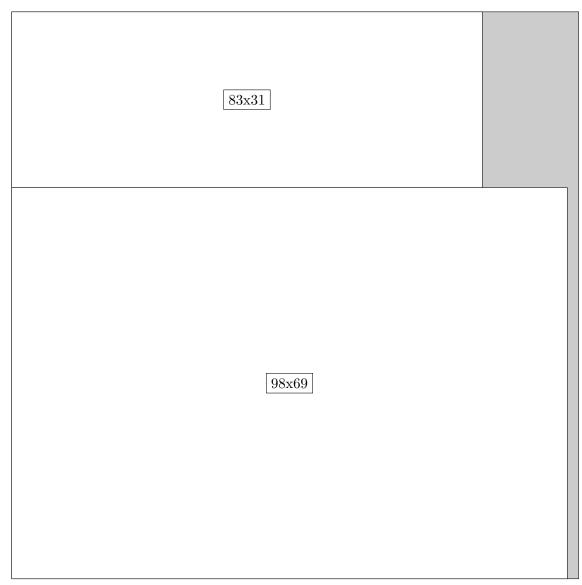


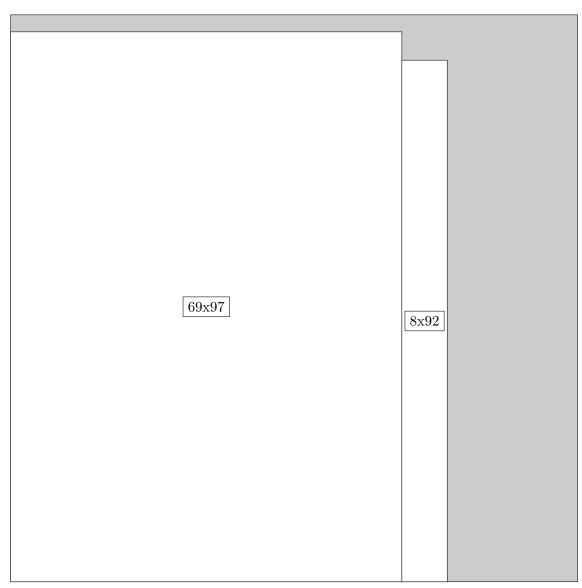
 $\le =80$  , h =89 , x =0 , y =0 , v =7120



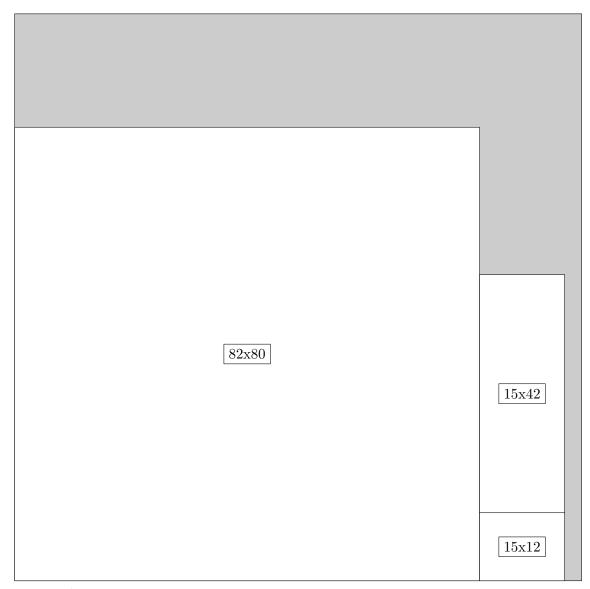


$$\begin{array}{l} w = \! 93 \ , \ h = \! 74 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 6882 \\ w = \! 98 \ , \ h = \! 23 \ , \ x = \! 0 \ , \ y = \! 74 \ , \ v = \! 2254 \end{array}$$



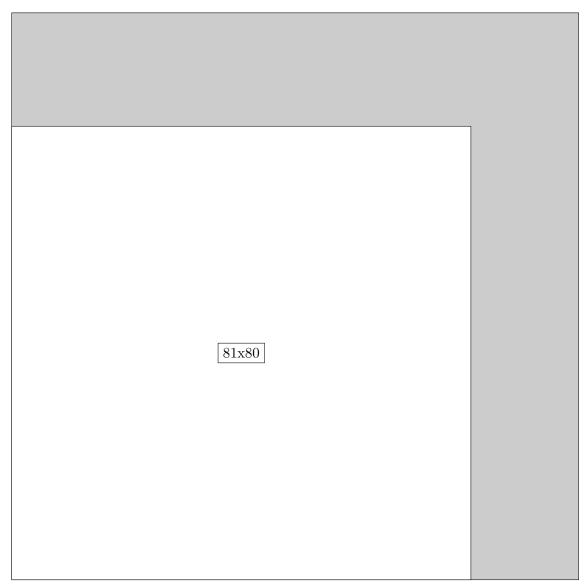


w =69, h =97, x =0, y =0, v =6693 w =8, h =92, x =69, y =0, v =736

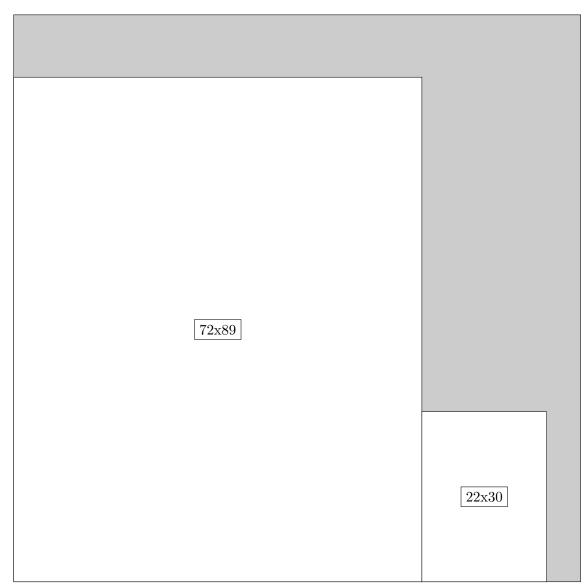


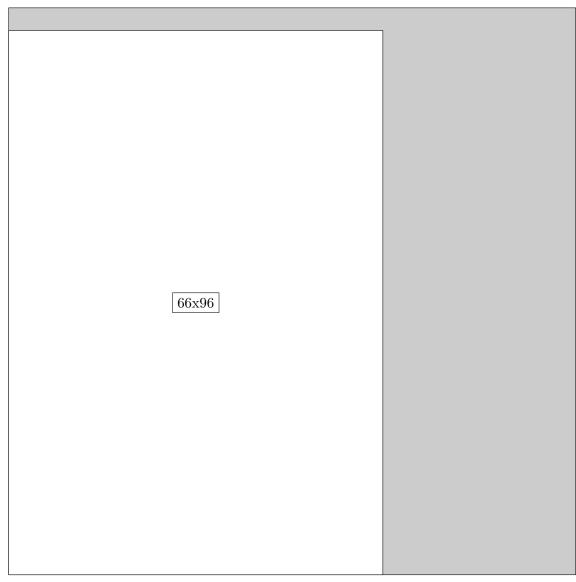
$$\begin{array}{l} w = \!\!82 \ , \ h = \!\!80 \ , \ x = \!\!0 \ , \ y = \!\!0 \ , \ v = \!\!6560 \\ w = \!\!15 \ , \ h = \!\!42 \ , \ x = \!\!82 \ , \ y = \!\!12 \ , \ v = \!\!630 \end{array}$$

$$w=15$$
 ,  $h=12$  ,  $x=82$  ,  $y=0$  ,  $v=180$ 

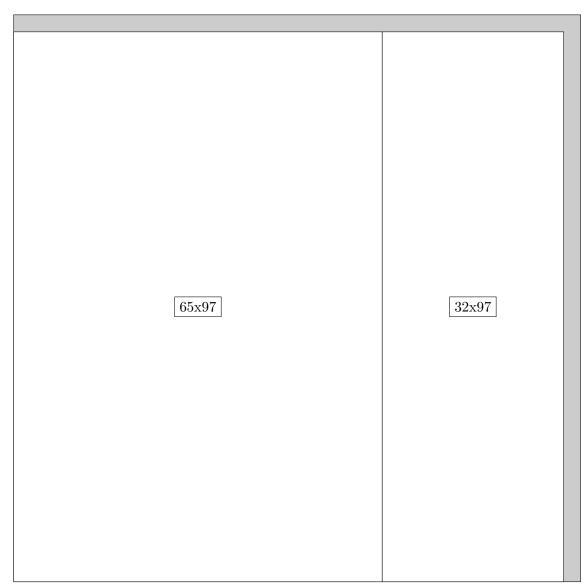


w = 81, h = 80, x = 0, y = 0, v = 6480

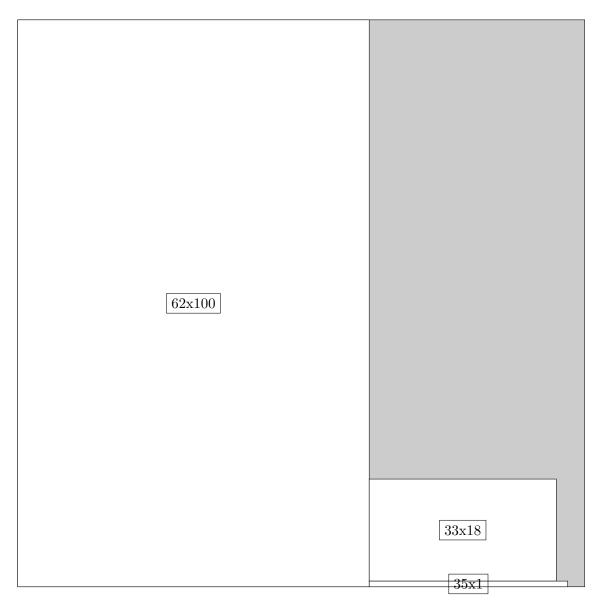




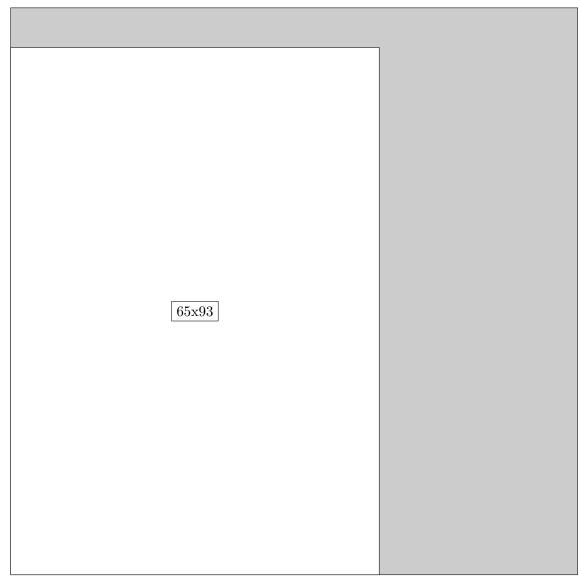
w = 66, h = 96, x = 0, y = 0, v = 6336



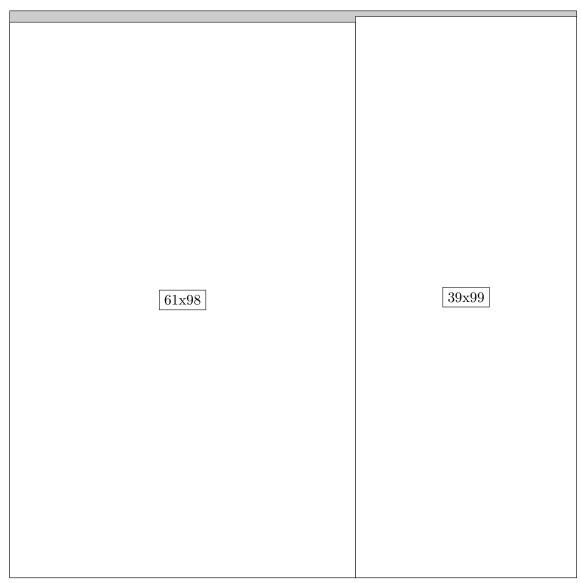
$$\begin{array}{c} w = \!\! 65 \; , \; h = \!\! 97 \; , \; x = \!\! 0 \; , \; y = \!\! 0 \; , \; v = \!\! 6305 \\ w = \!\! 32 \; , \; h = \!\! 97 \; , \; x = \!\! 65 \; , \; y = \!\! 0 \; , \; v = \!\! 3104 \\ \end{array}$$



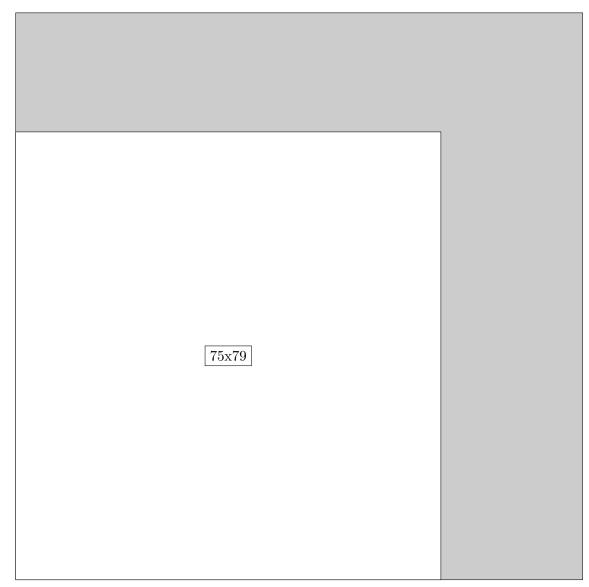
$$\begin{array}{l} w = \!\!62 \ , \ h = \!\!100 \ , \ x = \!\!0 \ , \ y = \!\!0 \ , \ v = \!\!6200 \\ w = \!\!33 \ , \ h = \!\!18 \ , \ x = \!\!62 \ , \ y = \!\!1 \ , \ v = \!\!594 \\ w = \!\!35 \ , \ h = \!\!1 \ , \ x = \!\!62 \ , \ y = \!\!0 \ , \ v = \!\!35 \end{array}$$



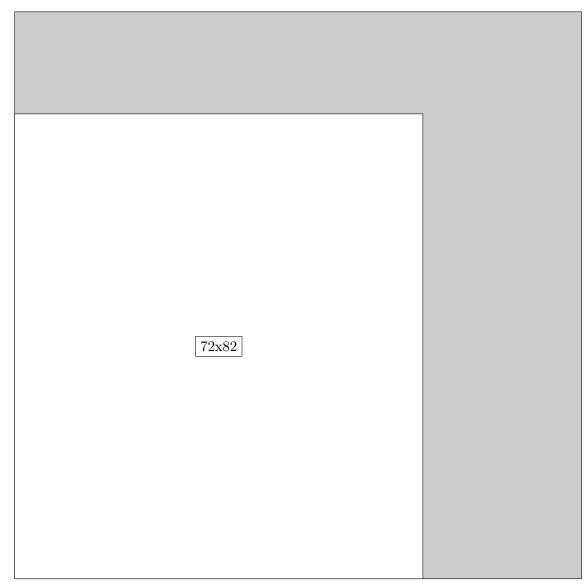
w = 65, h = 93, x = 0, y = 0, v = 6045



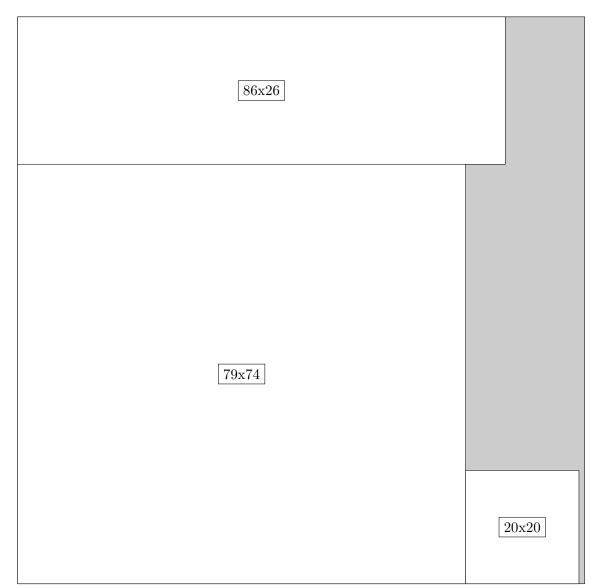
 $\begin{array}{c} w = \! 61 \; , \; h = \! 98 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 5978 \\ w = \! 39 \; , \; h = \! 99 \; , \; x = \! 61 \; , \; y = \! 0 \; , \; v = \! 3861 \end{array}$ 



w = 75, h = 79, x = 0, y = 0, v = 5925



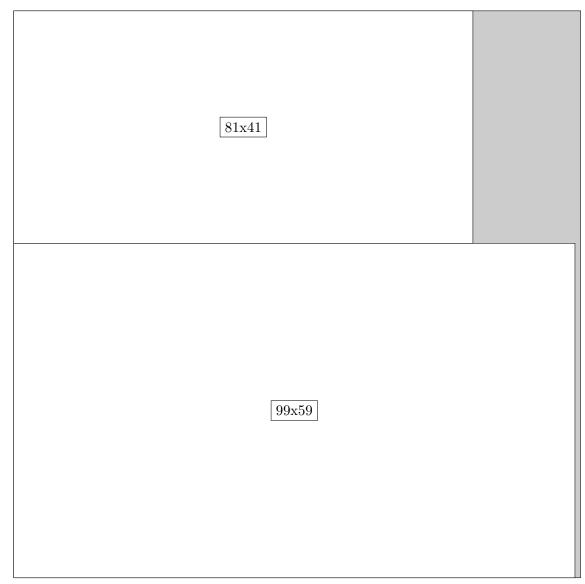
w = 72, h = 82, x = 0, y = 0, v = 5904



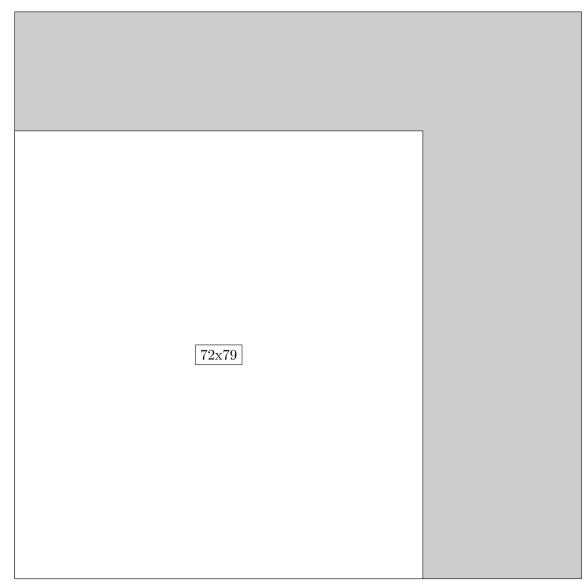
$$\le =20$$
 ,  $h$  =20 ,  $x$  =79 ,  $y$  =0 ,  $v$  =400

$$\le =86$$
 ,  $h$  =26 ,  $x$  =0 ,  $y$  =74 ,  $v$  =2236

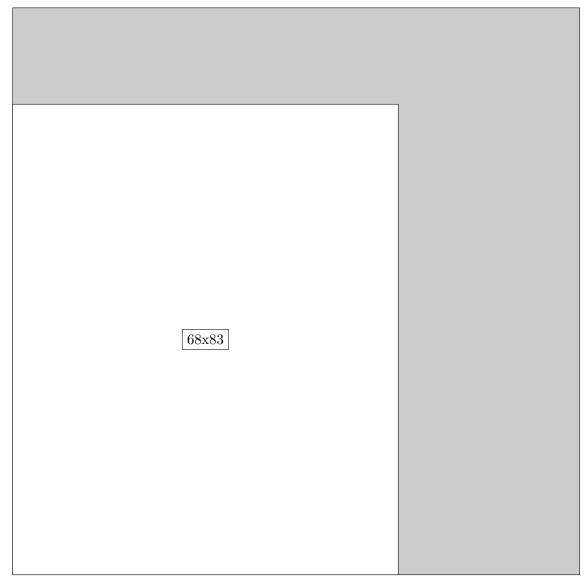
$$\le -79$$
 , h =74 , x =0 , y =0 , v =5846



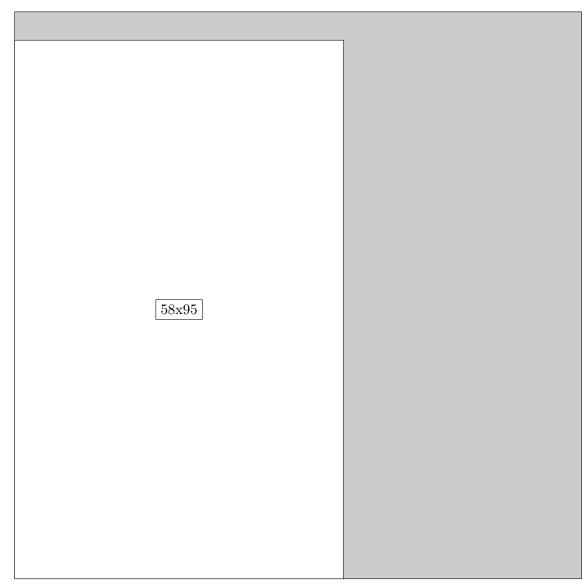
$$\begin{array}{c} w = 99 \; , \; h = 59 \; , \; x = 0 \; , \; y = 0 \; , \; v = 5841 \\ w = 81 \; , \; h = 41 \; , \; x = 0 \; , \; y = 59 \; , \; v = 3321 \end{array}$$



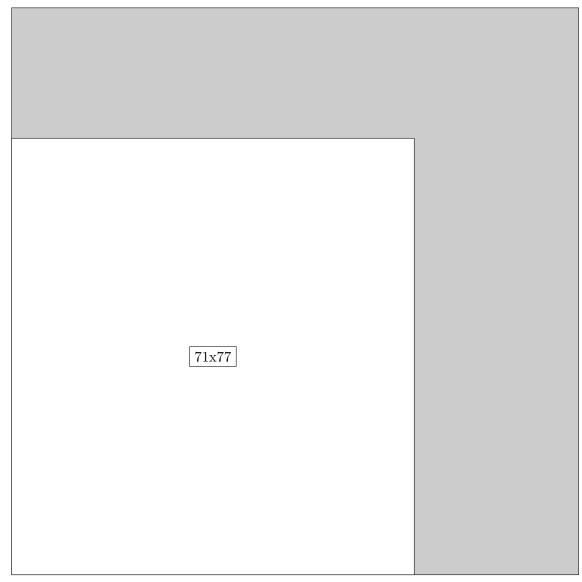
w = 72, h = 79, x = 0, y = 0, v = 5688



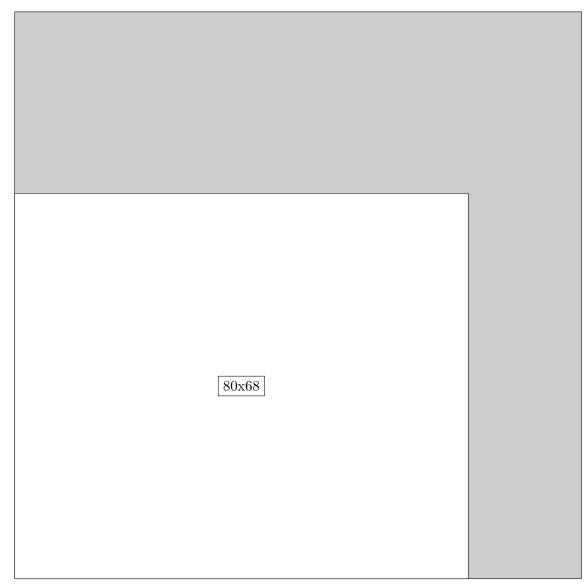
w = 68, h = 83, x = 0, y = 0, v = 5644



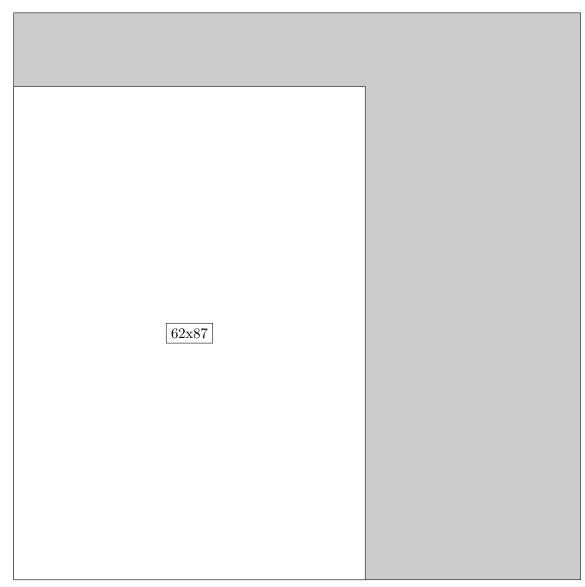
 $\overline{w} = 58$ , h = 95, x = 0, y = 0, v = 5510



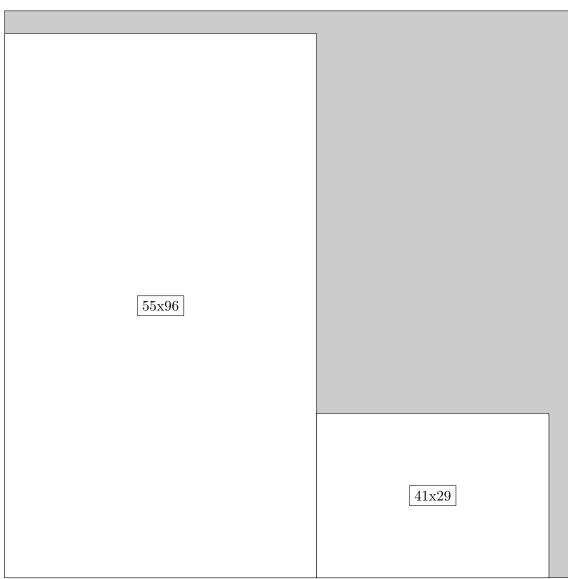
 $\mathbf{w}$  =71 , h =77 , x =0 , y =0 , v =5467

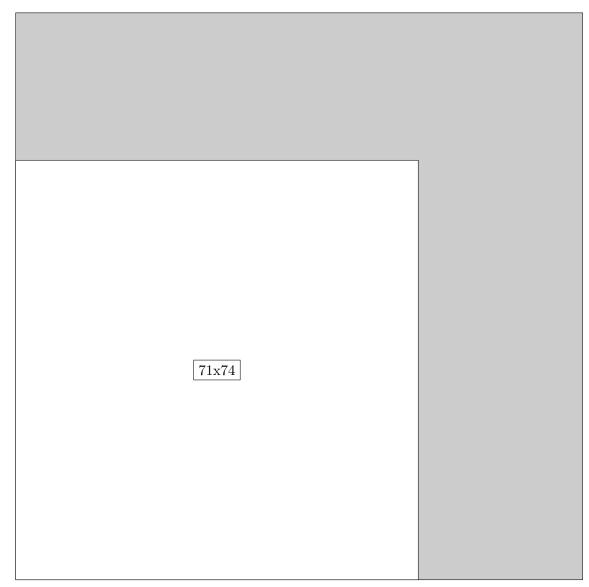


 $\overline{w} = 80$ , h = 68, x = 0, y = 0, v = 5440

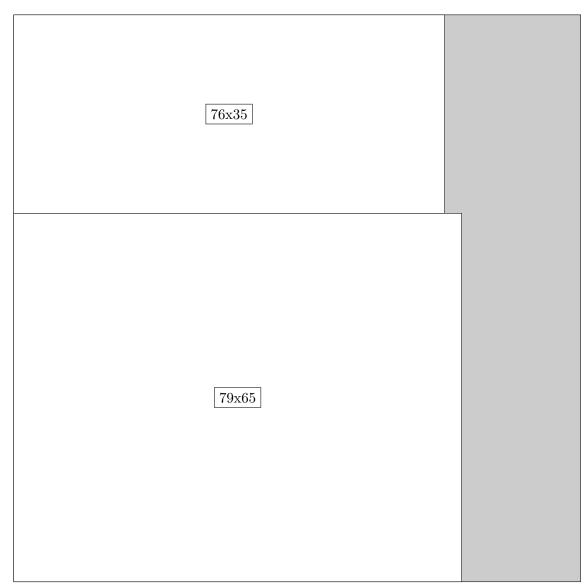


w = 62, h = 87, x = 0, y = 0, v = 5394

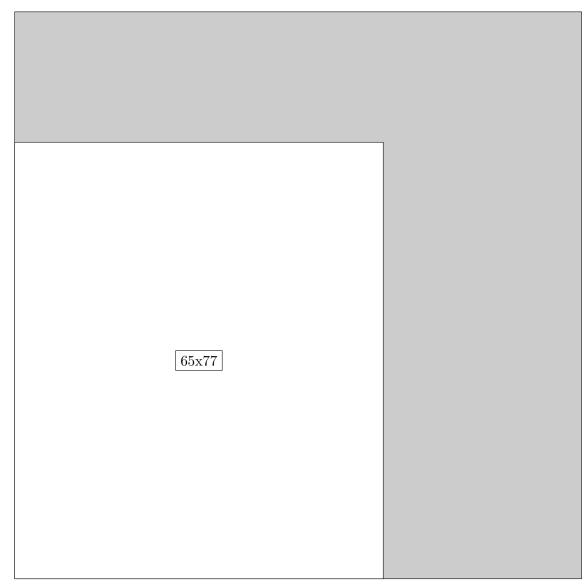




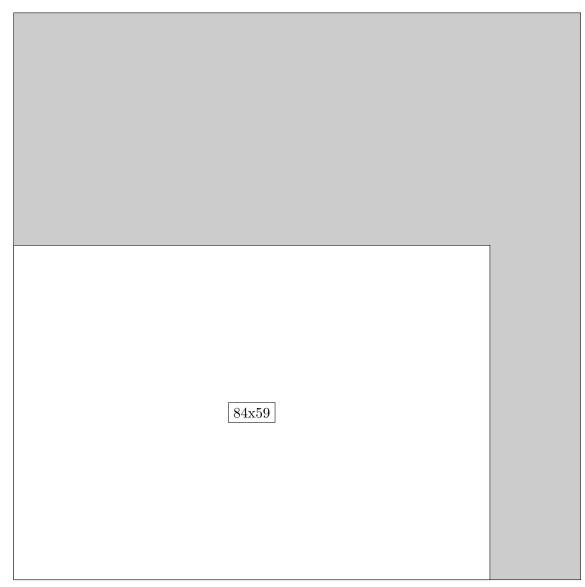
 $\mathbf{w}$  =71 , h =74 , x =0 , y =0 , v =5254



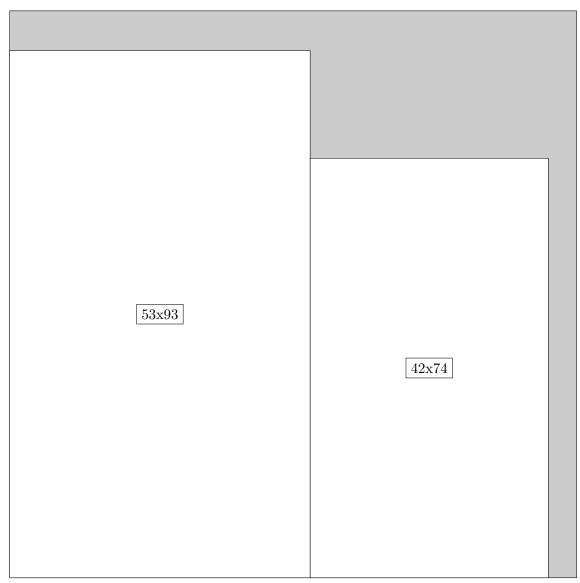
$$\begin{array}{c} w = 79 \ , \ h = 65 \ , \ x = 0 \ , \ y = 0 \ , \ v = 5135 \\ w = 76 \ , \ h = 35 \ , \ x = 0 \ , \ y = 65 \ , \ v = 2660 \\ \end{array}$$

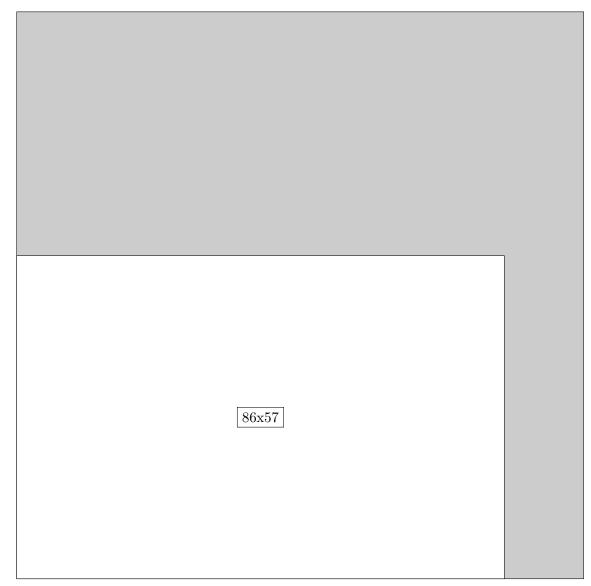


w = 65, h = 77, x = 0, y = 0, v = 5005

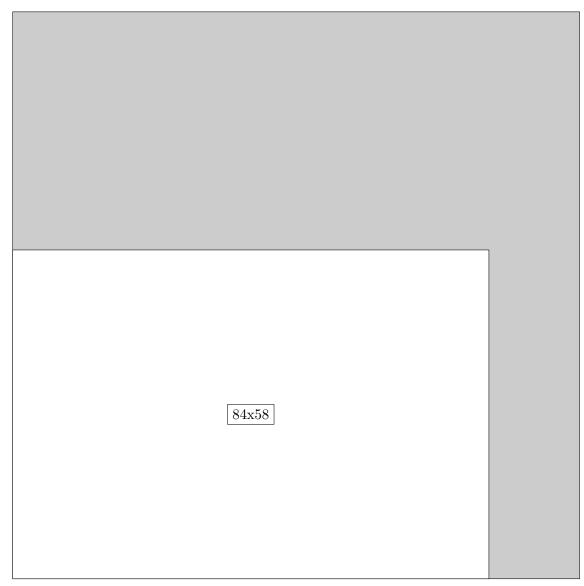


w = 84, h = 59, x = 0, y = 0, v = 4956

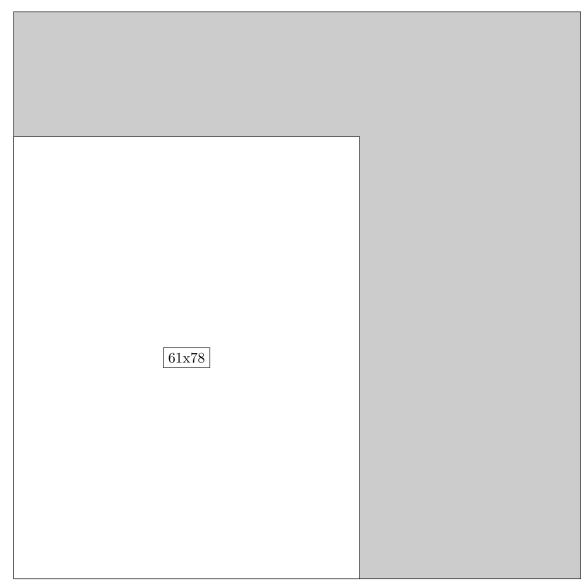




 $\le =86$  , h =57 , x =0 , y =0 , v =4902



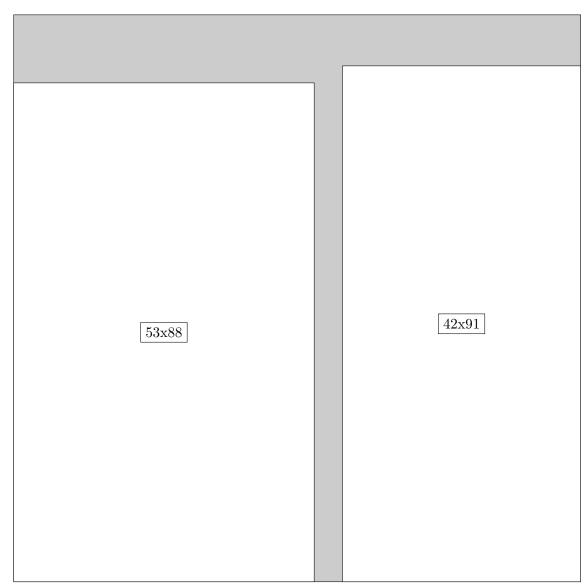
 $\le =84$  , h =58 , x =0 , y =0 , v =4872



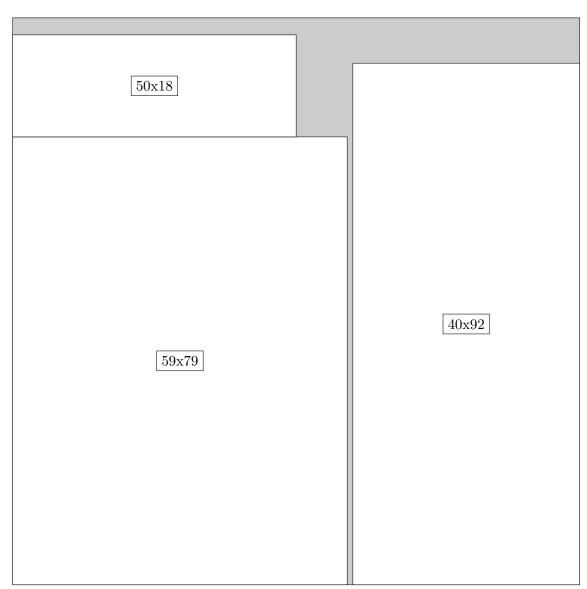
w = 61, h = 78, x = 0, y = 0, v = 4758



$$\begin{array}{c} w = \! 88 \; , \; h = \! 53 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 4664 \\ w = \! 69 \; , \; h = \! 45 \; , \; x = \! 0 \; , \; y = \! 53 \; , \; v = \! 3105 \\ \end{array}$$



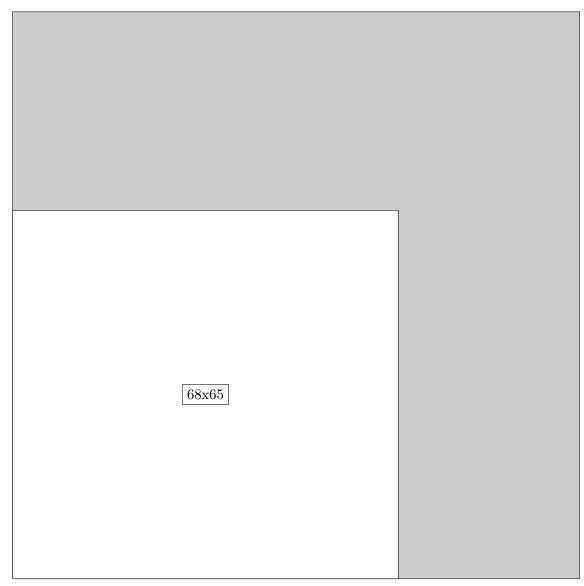
 $\begin{array}{c} w = \!\! 53 \; , \; h = \!\! 88 \; , \; x = \!\! 0 \; , \; y = \!\! 0 \; , \; v = \!\! 4664 \\ w = \!\! 42 \; , \; h = \!\! 91 \; , \; x = \!\! 58 \; , \; y = \!\! 0 \; , \; v = \!\! 3822 \end{array}$ 



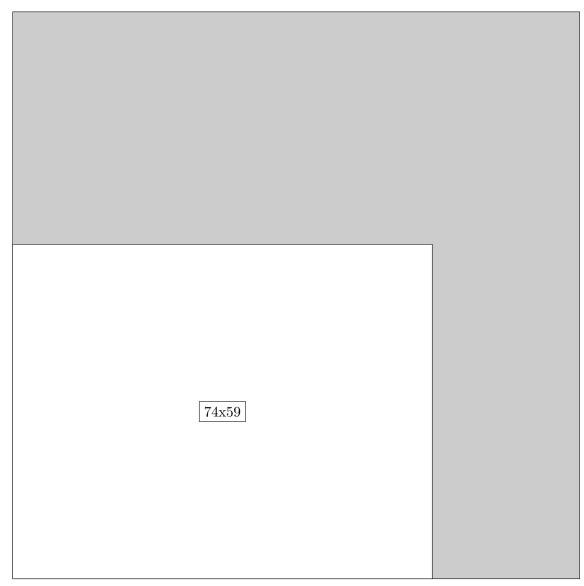
$$\le =59$$
 , h =79 , x =0 , y =0 , v =4661

$$\mathbf{w}$$
 =40 , h =92 , x =60 , y =0 , v =3680

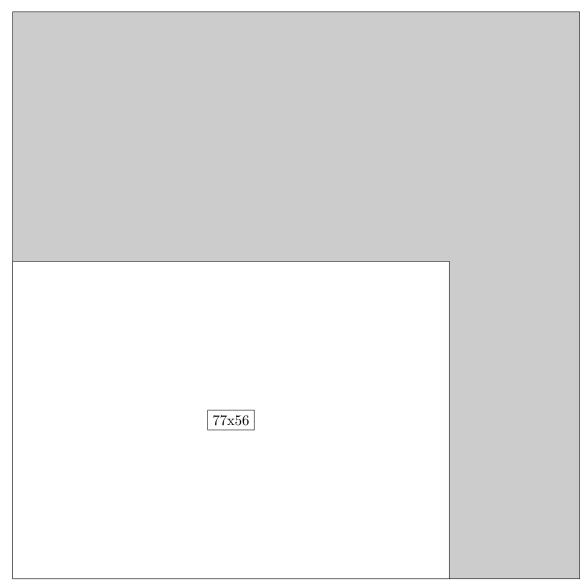
$$\le =50$$
 , h =18 , x =0 , y =79 , v =900



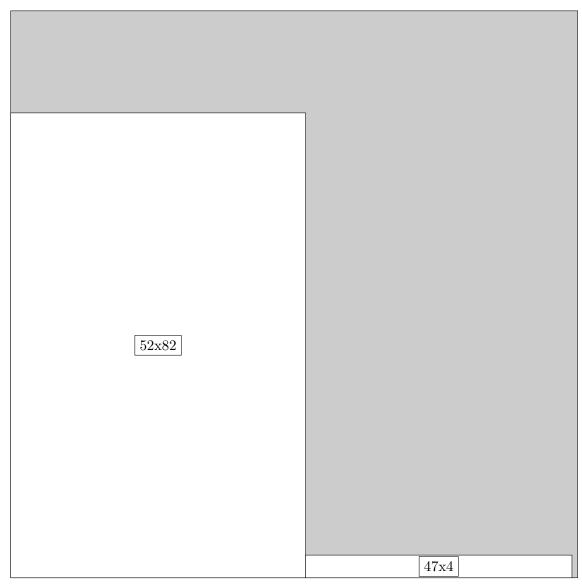
w = 68, h = 65, x = 0, y = 0, v = 4420



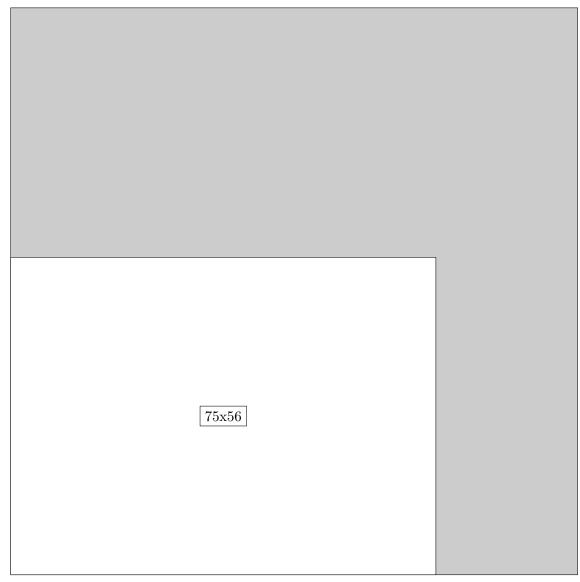
w = 74, h = 59, x = 0, y = 0, v = 4366



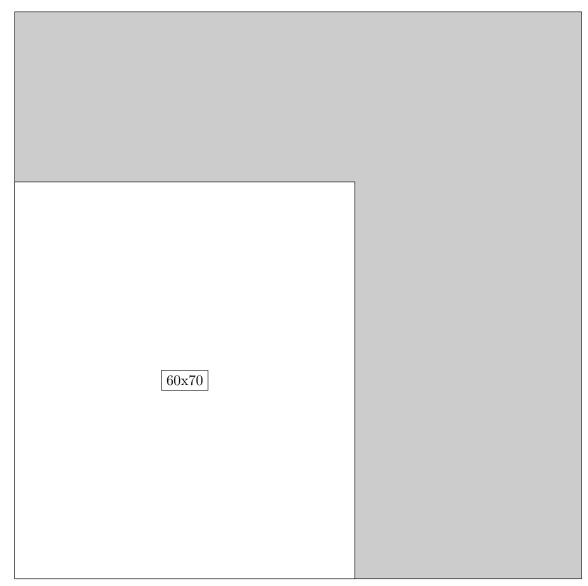
w = 77, h = 56, x = 0, y = 0, v = 4312



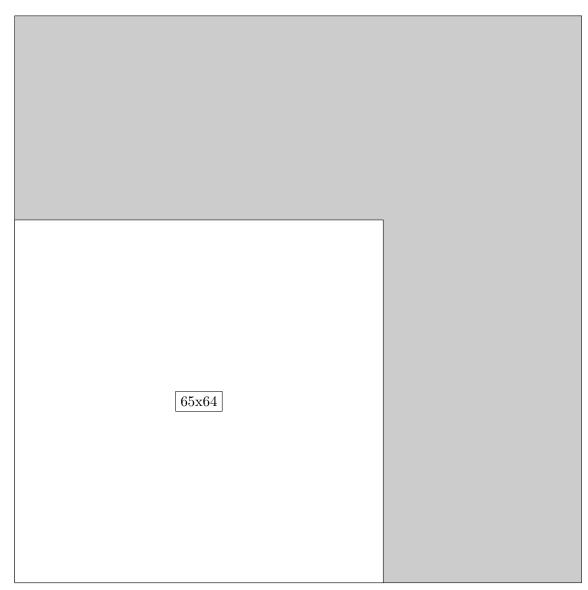
 $\begin{array}{l} w = \! 52 \ , \, h = \! 82 \ , \, x = \! 0 \ , \, y = \! 0 \ , \, v = \! 4264 \\ w = \! 47 \ , \, h = \! 4 \ , \, x = \! 52 \ , \, y = \! 0 \ , \, v = \! 188 \end{array}$ 



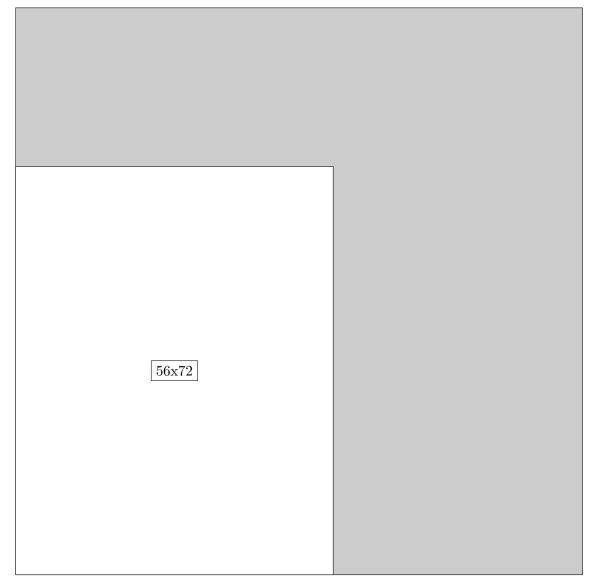
w = 75, h = 56, x = 0, y = 0, v = 4200



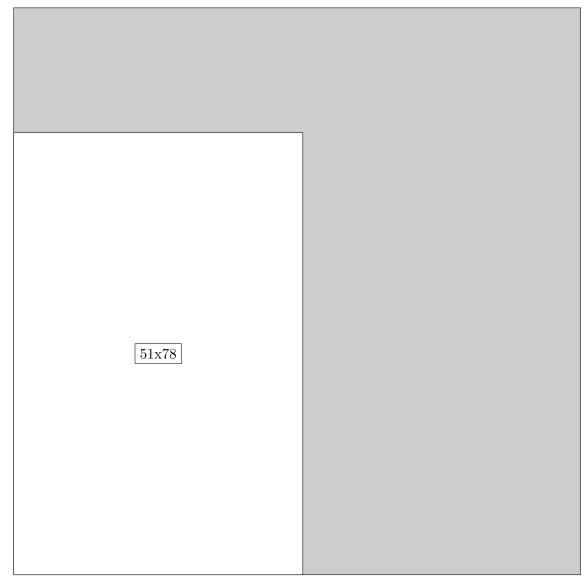
w = 60, h = 70, x = 0, y = 0, v = 4200



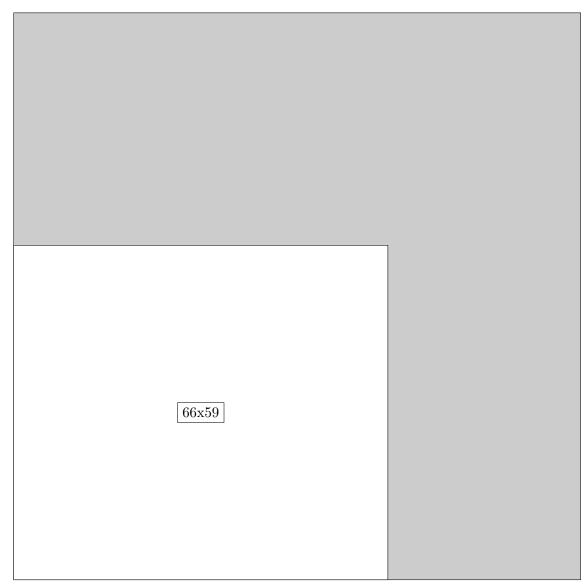
w = 65, h = 64, x = 0, y = 0, v = 4160



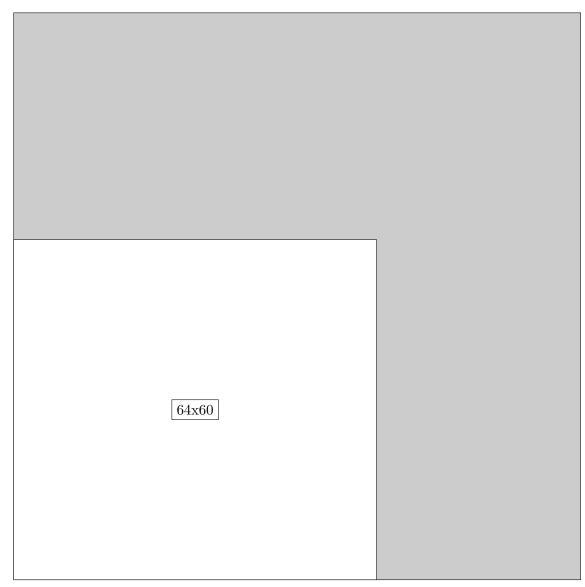
w = 56, h = 72, x = 0, y = 0, v = 4032



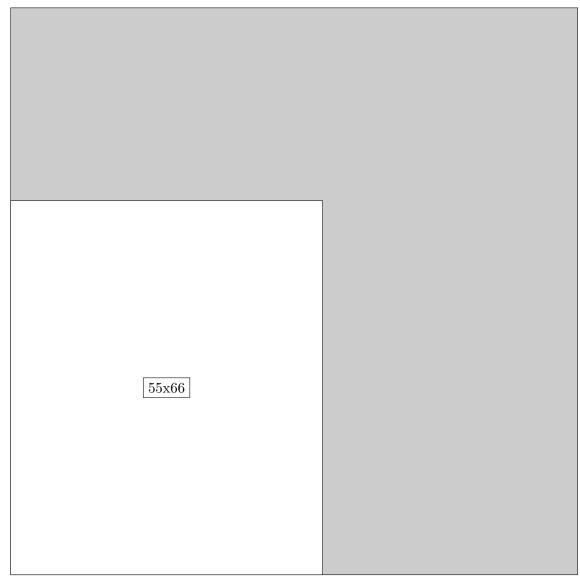
w = 51, h = 78, x = 0, y = 0, v = 3978



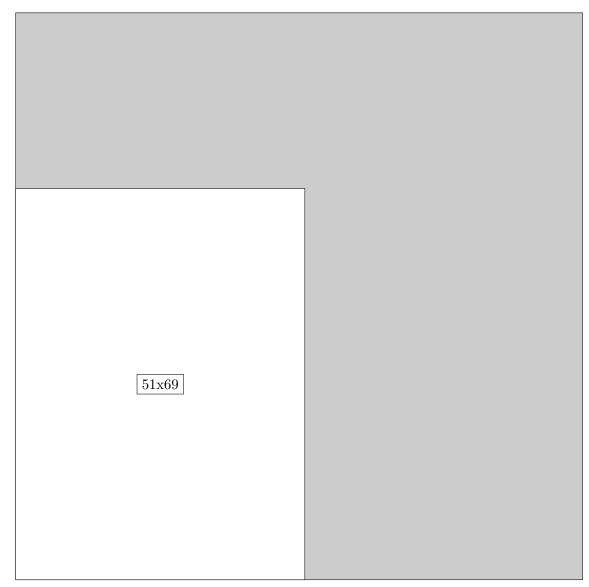
w = 66, h = 59, x = 0, y = 0, v = 3894



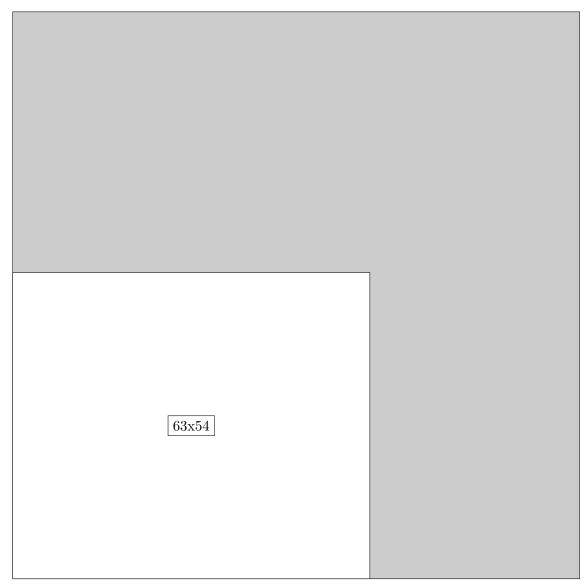
w = 64, h = 60, x = 0, y = 0, v = 3840



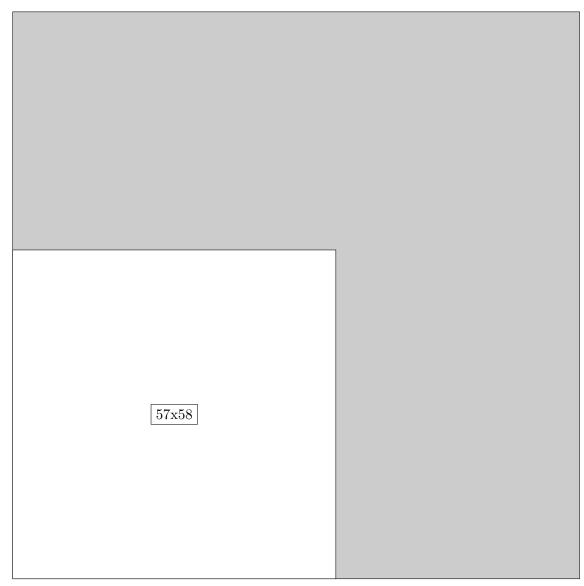
w = 55, h = 66, x = 0, y = 0, v = 3630



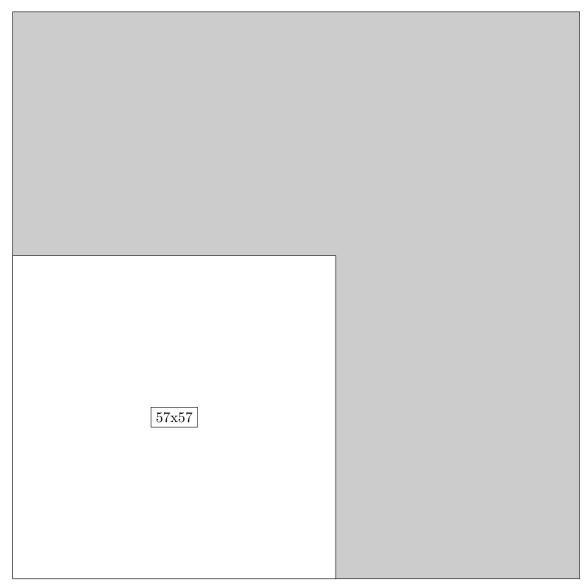
w = 51, h = 69, x = 0, y = 0, v = 3519



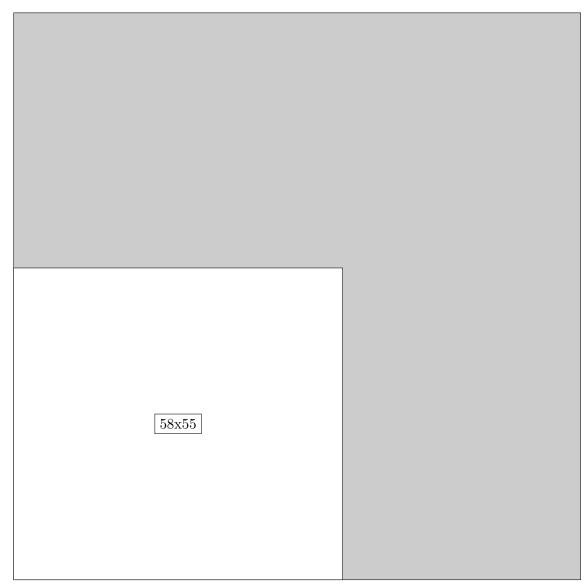
w = 63, h = 54, x = 0, y = 0, v = 3402



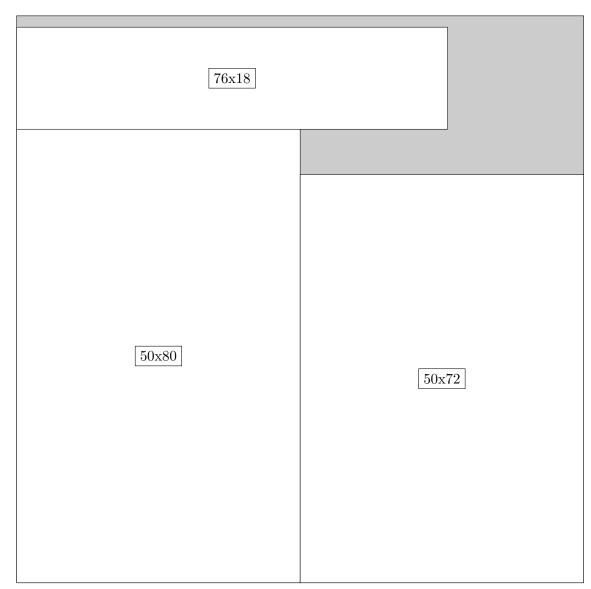
w = 57, h = 58, x = 0, y = 0, v = 3306



w = 57, h = 57, x = 0, y = 0, v = 3249



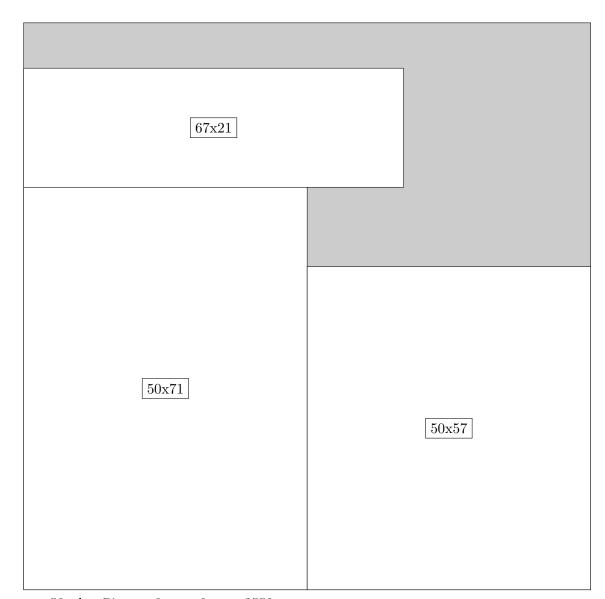
w = 58, h = 55, x = 0, y = 0, v = 3190



$$w = 50$$
,  $h = 80$ ,  $x = 0$ ,  $y = 0$ ,  $v = 4000$ 

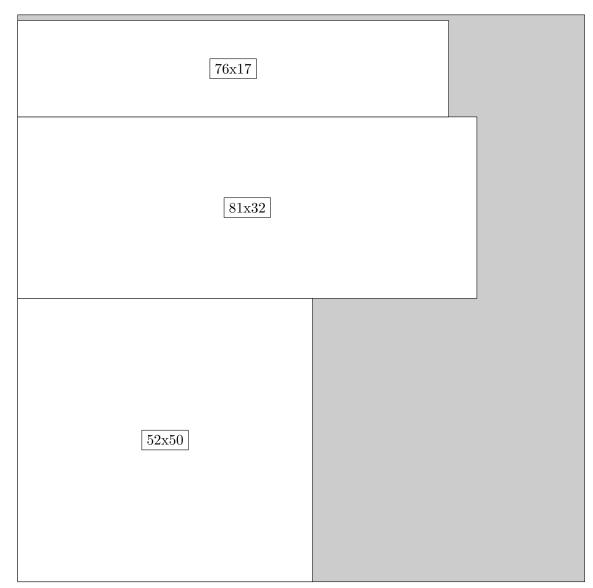
$$\le =50$$
 ,  $h=72$  ,  $x=50$  ,  $y=0$  ,  $v=3600$ 

$$\le =76$$
 , h =18 , x =0 , y =80 , v =1368



$$\begin{array}{l} w = \! 50 \ , \ h = \! 71 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 3550 \\ w = \! 50 \ , \ h = \! 57 \ , \ x = \! 50 \ , \ y = \! 0 \ , \ v = \! 2850 \end{array}$$

$$w = 67$$
,  $h = 21$ ,  $x = 0$ ,  $y = 71$ ,  $v = 1407$ 



$$\begin{array}{l} w = \!\! 52 \ , \ h = \!\! 50 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 2600 \\ w = \!\! 81 \ , \ h = \!\! 32 \ , \ x = \!\! 0 \ , \ y = \!\! 50 \ , \ v = \!\! 2592 \end{array}$$

$$\le =76$$
 , h =17 , x =0 , y =82 , v =1292