$ClassName: \ Class\_09.2bp-25$ 

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

TypeNum: <u>59</u> Num: <u>60</u> OutS: <u>370000</u> InS: <u>241582</u> Rate: <u>0.653</u> UB: <u>37</u> LB0: <u>37</u>

LBWithCut:  $\underline{37}$ NodeCut:  $\underline{0}$ 

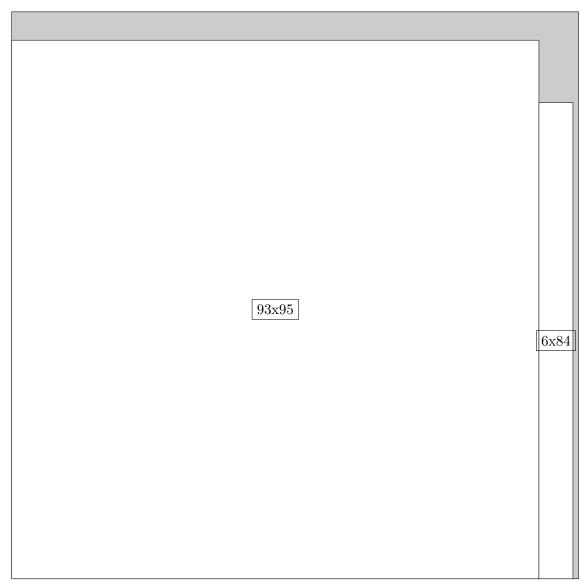
LB: **37** 

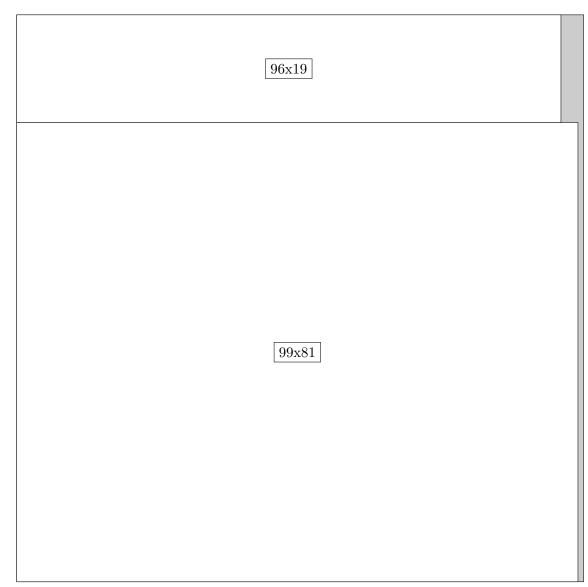
ExtendedNodeCnt:  $\underline{\mathbf{1}}$ 

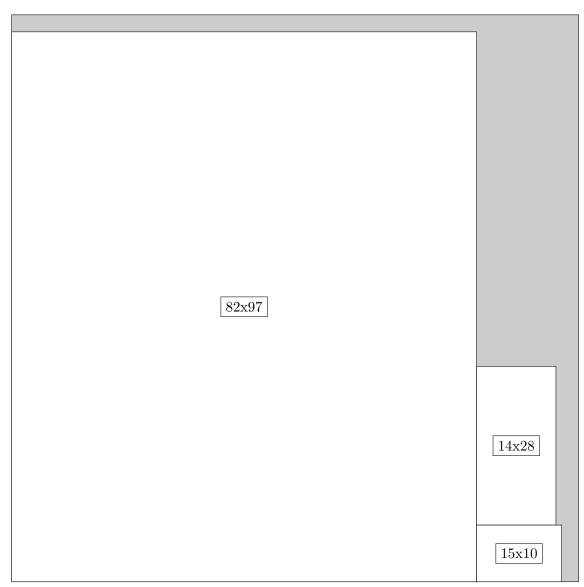
GenNodeCnt:  $\underline{\mathbf{1}}$ PrimalNode:  $\underline{\mathbf{0}}$ ColumnCount:  $\underline{\mathbf{37}}$ TotalCutCount:  $\underline{\mathbf{0}}$ RootCutCount:  $\underline{\mathbf{0}}$ LPSolverCnt:  $\underline{\mathbf{1}}$ PricingSolverCnt:  $\underline{\mathbf{0}}$ BranchAndBoundNum:  $\underline{\mathbf{1}}$ 

isOpt: **true** 

 $\begin{array}{ll} {\rm TimeOnInitSolution:} \ \underline{0.030 \ s} \\ {\rm TimeOnPrimal:} \ \underline{0.000 \ s} \\ {\rm TimeOnPricing:} \ \underline{0.000 \ s} \\ {\rm TimeOnRmp:} \ \underline{0.078 \ s} \\ {\rm TotalTime:} \ \underline{0.170 \ s} \\ \end{array}$ 



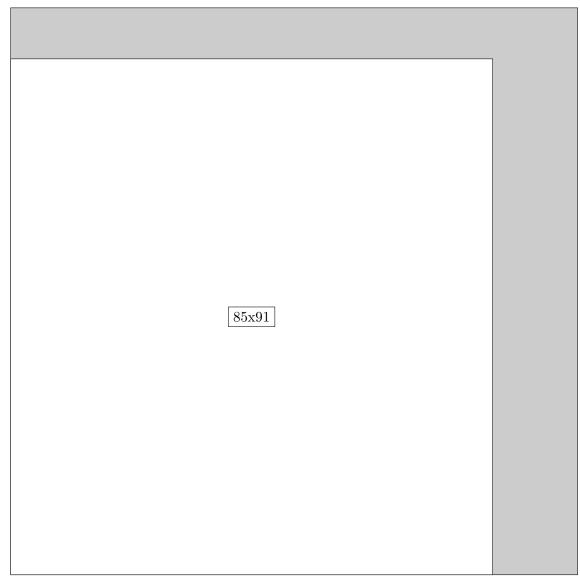




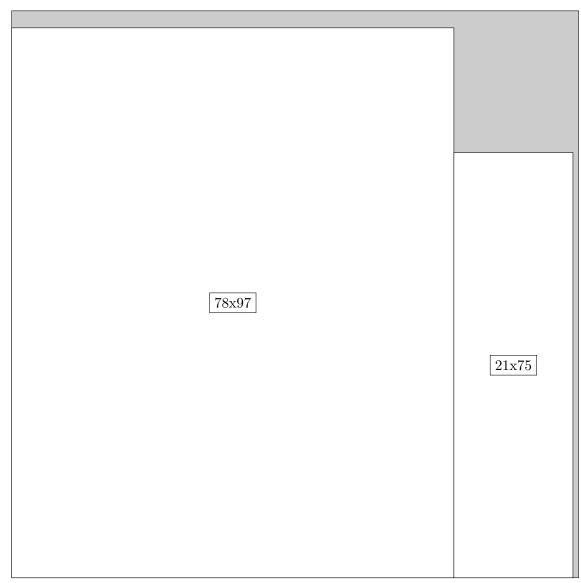
$$w = 82$$
,  $h = 97$ ,  $x = 0$ ,  $y = 0$ ,  $v = 7954$ 

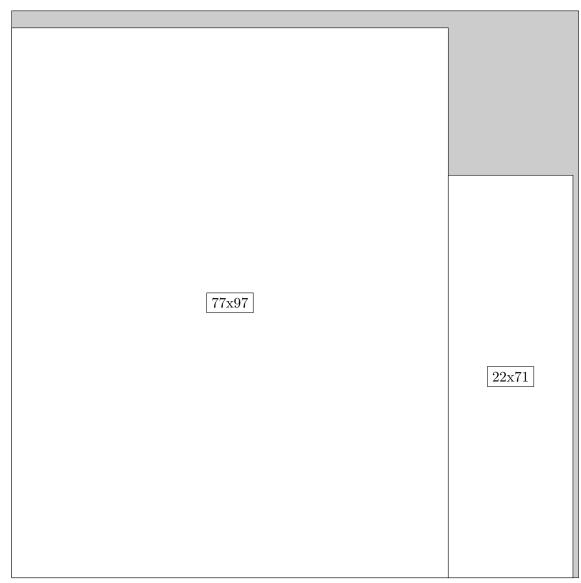
$$\le =14$$
 , h =28 , x =82 , y =10 , v =392

$$\le =15$$
 , h =10 , x =82 , y =0 , v =150

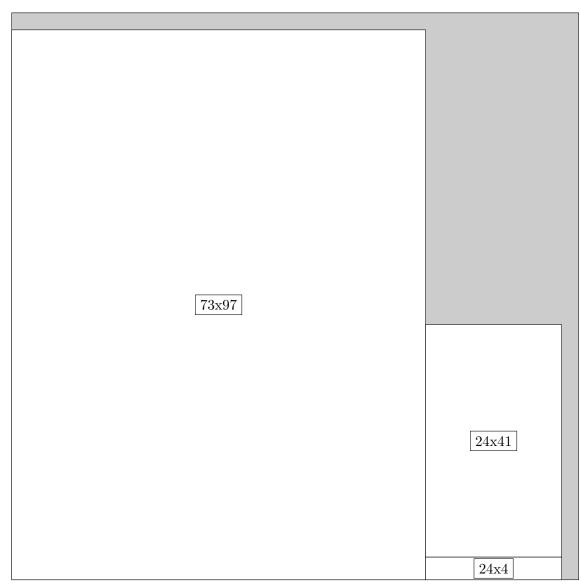


 $\le =85$  , h =91 , x =0 , y =0 , v =7735

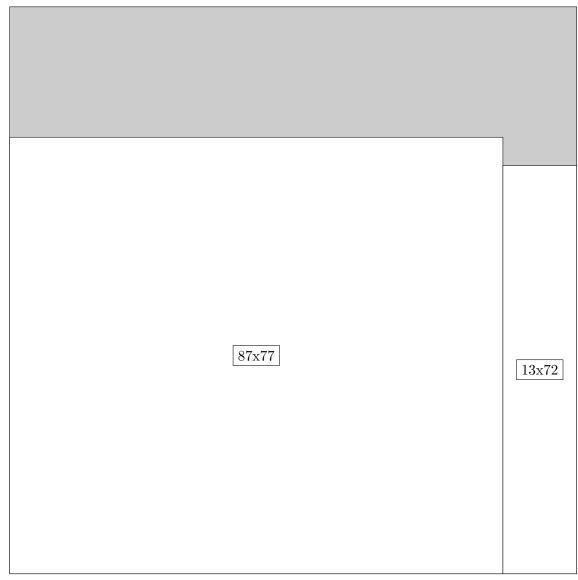




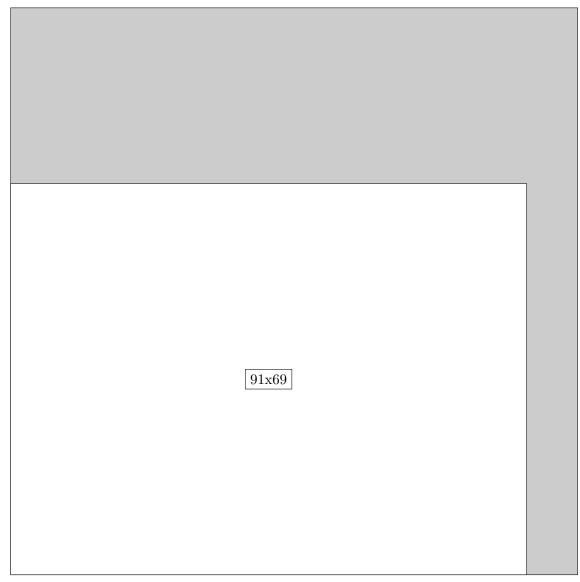
$$\begin{array}{c} w = 77 \; , \; h = 97 \; , \; x = 0 \; , \; y = 0 \; , \; v = 7469 \\ w = 22 \; , \; h = 71 \; , \; x = 77 \; , \; y = 0 \; , \; v = 1562 \end{array}$$



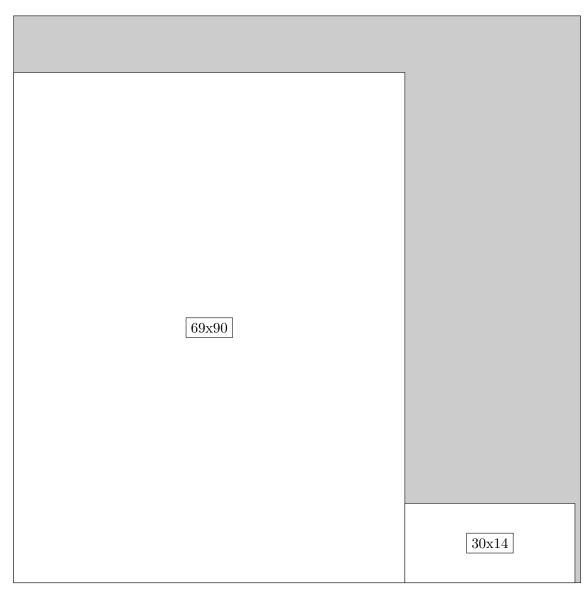
$$\begin{array}{l} w = 73 \ , \ h = 97 \ , \ x = 0 \ , \ y = 0 \ , \ v = 7081 \\ w = 24 \ , \ h = 41 \ , \ x = 73 \ , \ y = 4 \ , \ v = 984 \\ w = 24 \ , \ h = 4 \ , \ x = 73 \ , \ y = 0 \ , \ v = 96 \end{array}$$

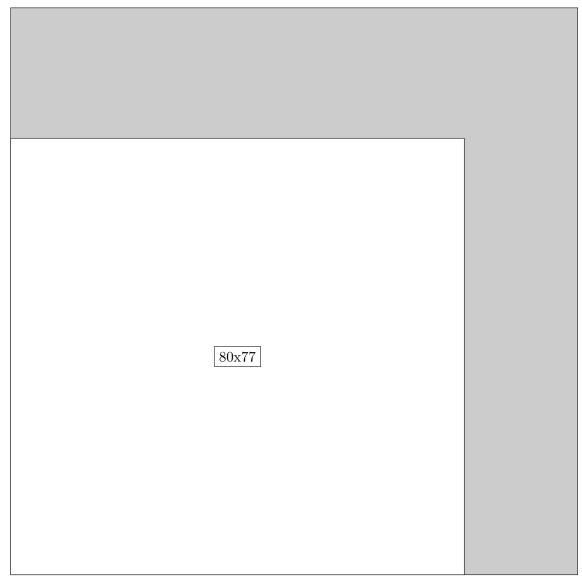


$$\begin{array}{c} w = 87 \; , \; h = 77 \; , \; x = 0 \; , \; y = 0 \; , \; v = 6699 \\ w = 13 \; , \; h = 72 \; , \; x = 87 \; , \; y = 0 \; , \; v = 936 \\ \end{array}$$

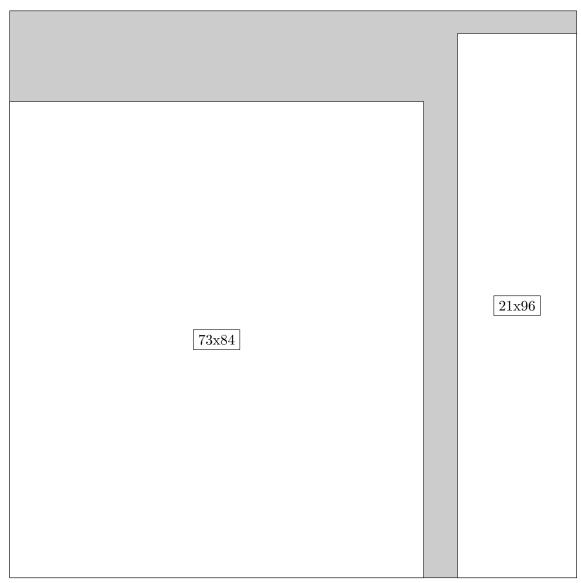


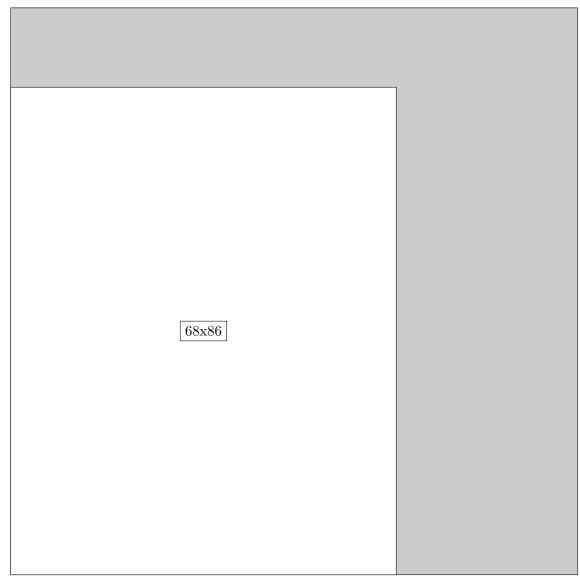
w = 91, h = 69, x = 0, y = 0, v = 6279



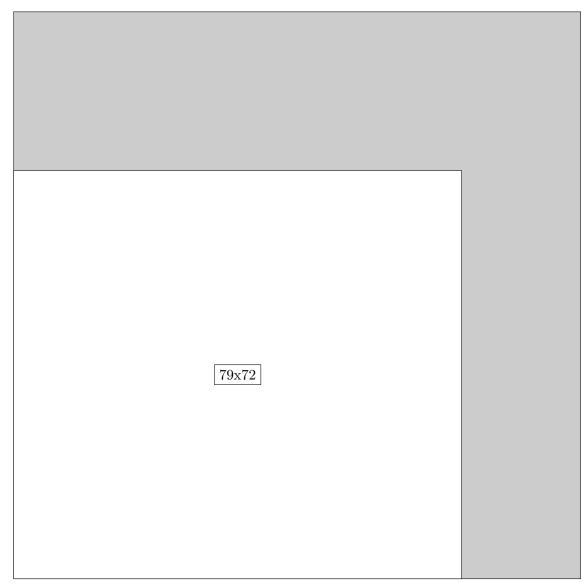


 $\mathbf{w}$  =80 , h =77 , x =0 , y =0 , v =6160

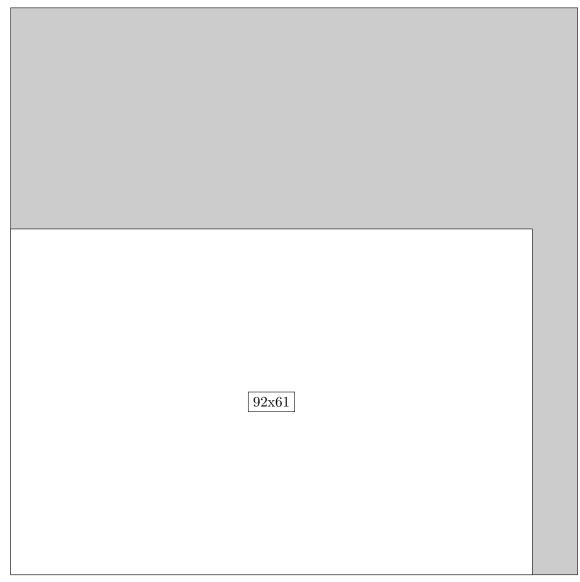




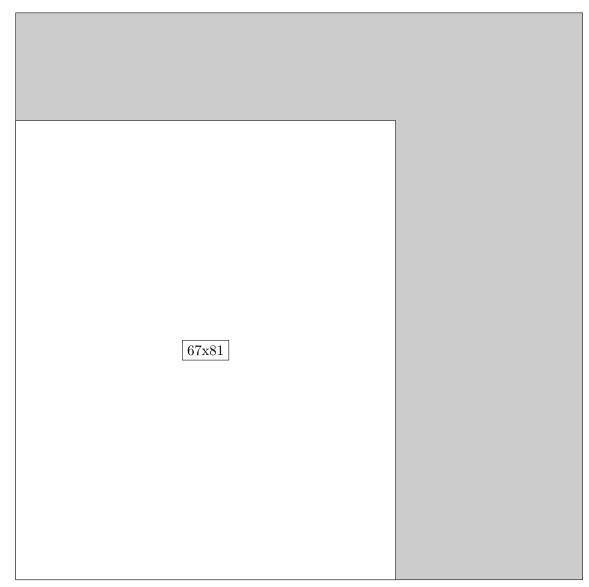
w = 68, h = 86, x = 0, y = 0, v = 5848



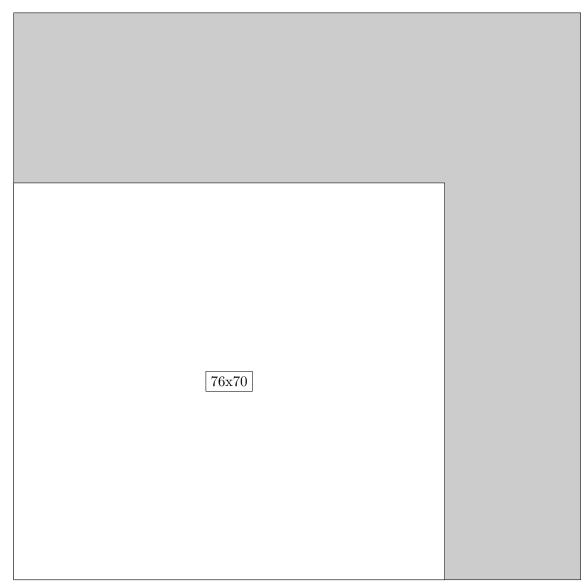
w = 79, h = 72, x = 0, y = 0, v = 5688



 $\le =92$  , h =61 , x =0 , y =0 , v = 5612



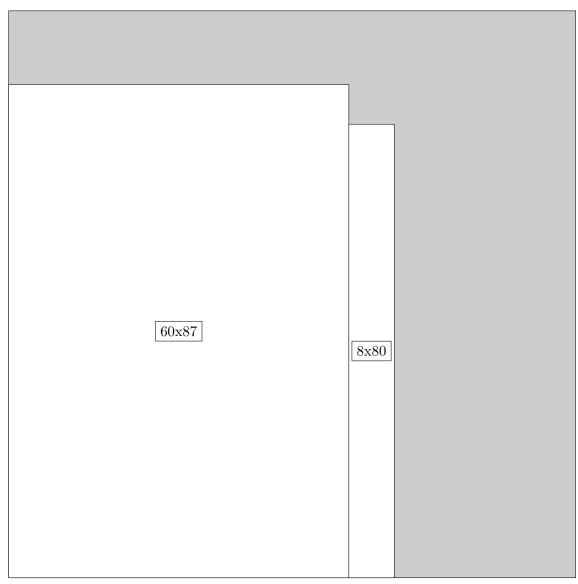
 $\le =67$  , h =81 , x =0 , y =0 , v = 5427



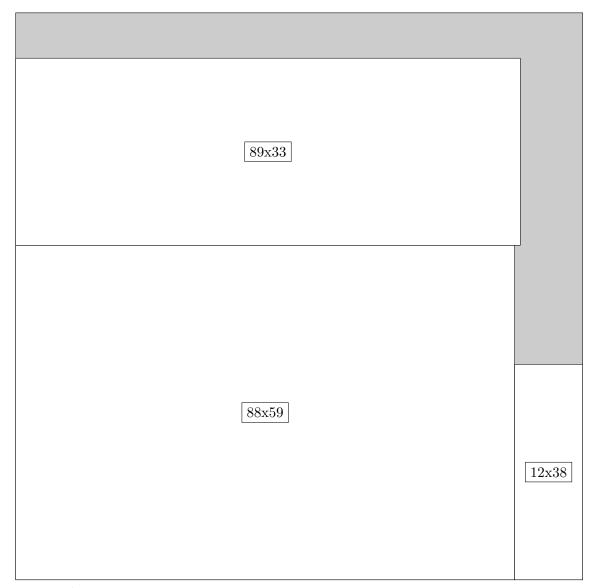
w = 76, h = 70, x = 0, y = 0, v = 5320



$$\begin{array}{l} w = \! 92 \ , \ h = \! 43 \ , \ x = \! 0 \ , \ y = \! 53 \ , \ v = \! 3956 \\ w = \! 99 \ , \ h = \! 53 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 5247 \end{array}$$

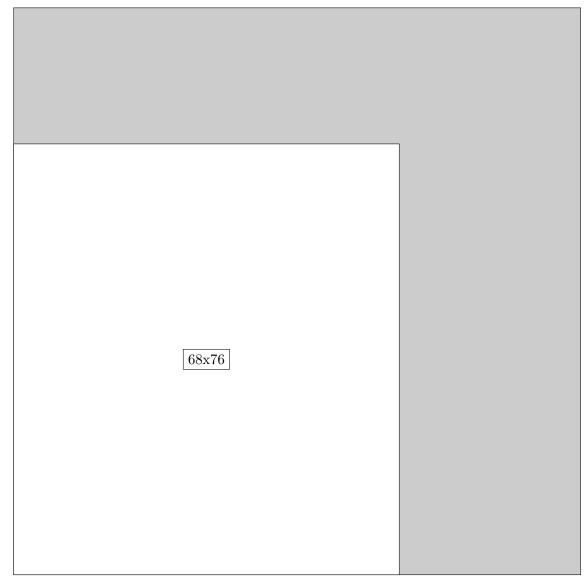


w =60, h =87, x =0, y =0, v =5220 w =8, h =80, x =60, y =0, v =640

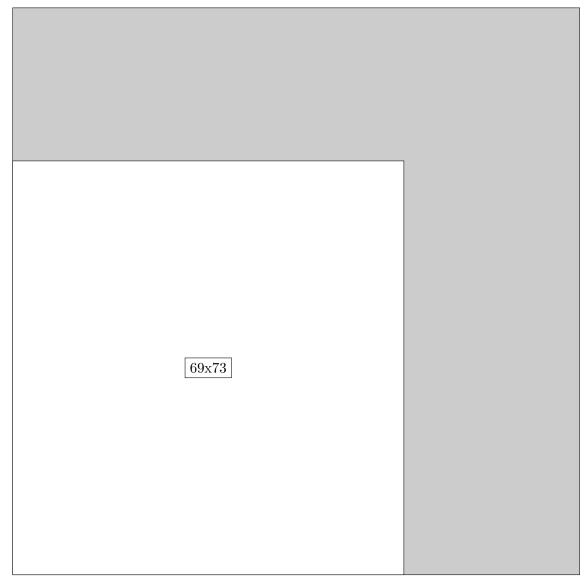


$$\begin{array}{l} w = \! 88 \; , \; h = \! 59 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 5192 \\ w = \! 89 \; , \; h = \! 33 \; , \; x = \! 0 \; , \; y = \! 59 \; , \; v = \! 2937 \end{array}$$

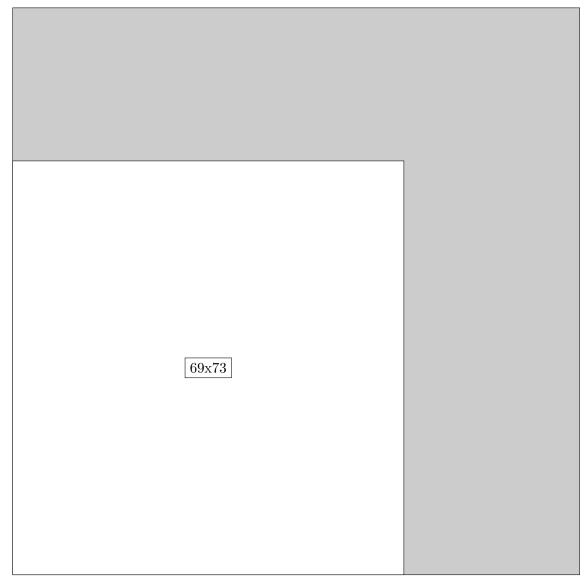
$$w = 12$$
 ,  $h = 38$  ,  $x = 88$  ,  $y = 0$  ,  $v = 456$ 



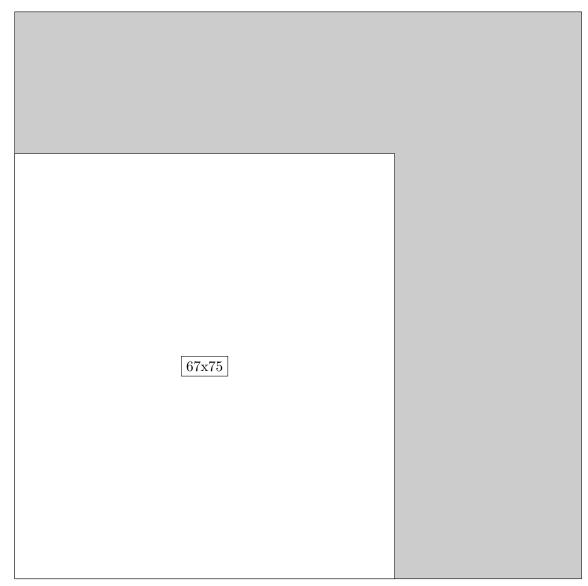
w = 68, h = 76, x = 0, y = 0, v = 5168



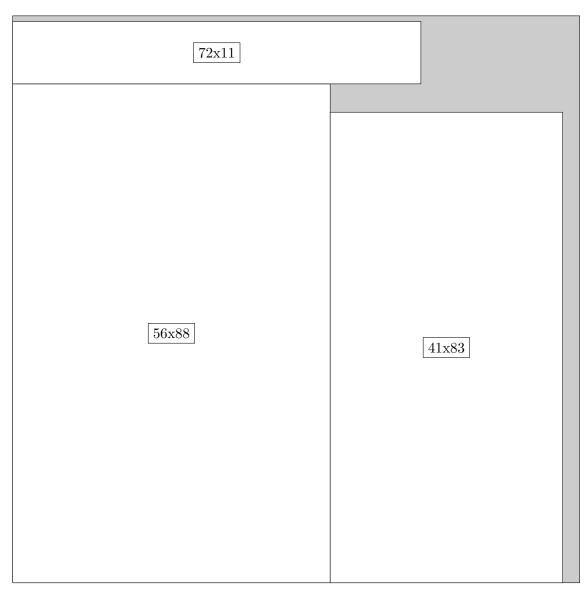
w = 69, h = 73, x = 0, y = 0, v = 5037



w = 69, h = 73, x = 0, y = 0, v = 5037



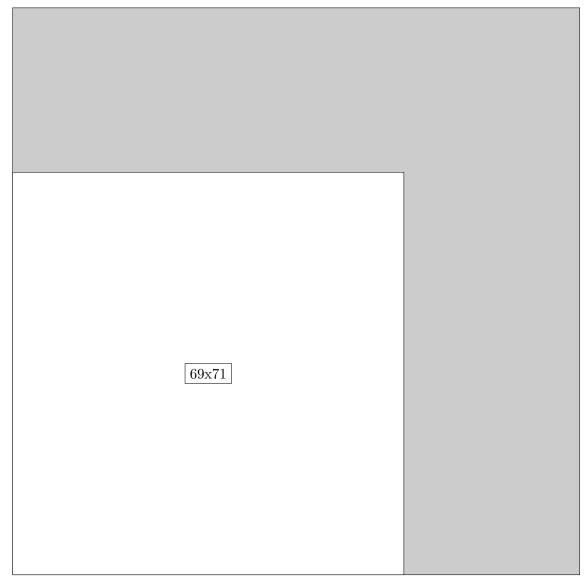
 $\le =67$  , h =75 , x =0 , y =0 , v =5025



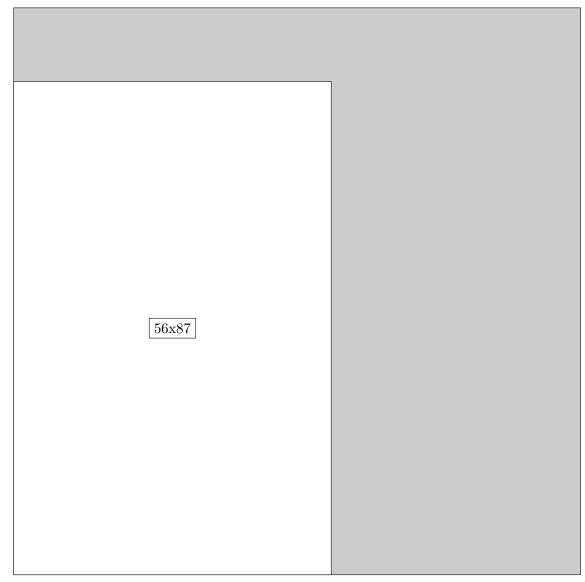
$$\mathbf{w}$$
 =56 , h =88 , x =0 , y =0 , v =4928

$$\le =41$$
 ,  $h=83$  ,  $x=56$  ,  $y=0$  ,  $v=3403$ 

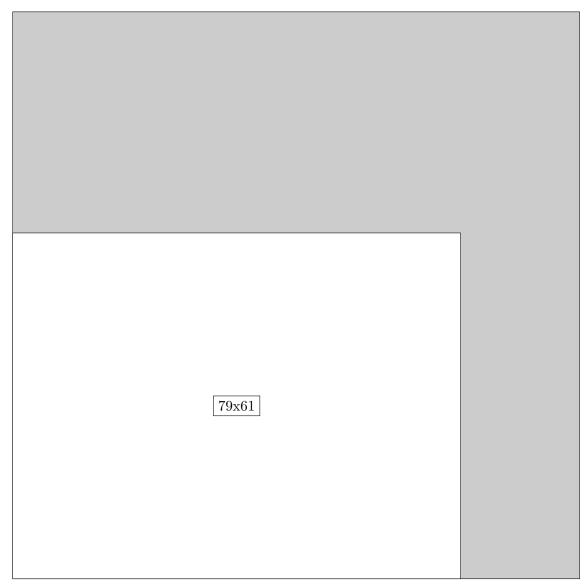
$$\le =72$$
 , h =11 , x =0 , y =88 , v =792



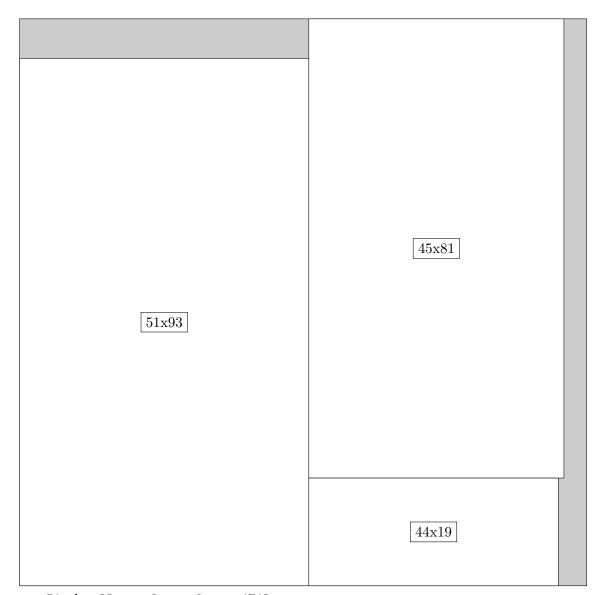
 $\overline{\mathbf{w}} = 69$ ,  $\mathbf{h} = 71$ ,  $\mathbf{x} = 0$ ,  $\mathbf{y} = 0$ ,  $\mathbf{v} = 4899$ 



w = 56, h = 87, x = 0, y = 0, v = 4872

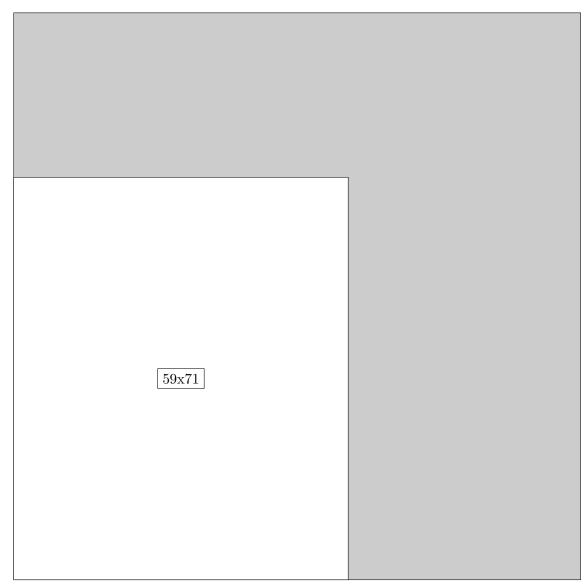


w = 79, h = 61, x = 0, y = 0, v = 4819

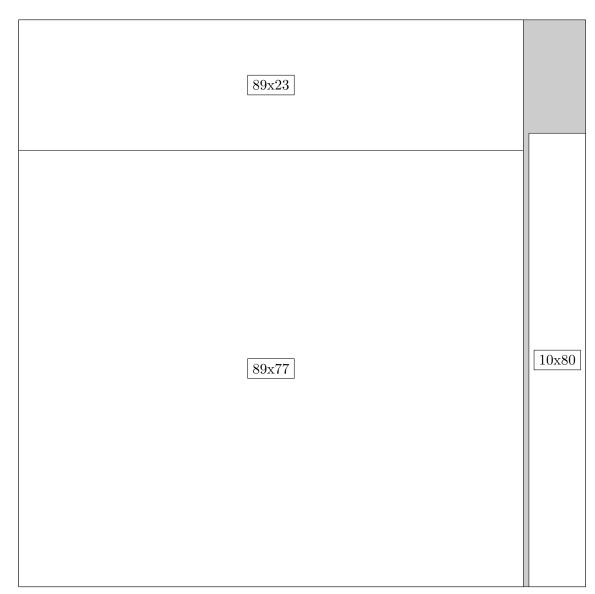


$$w$$
 =51 , h =93 , x =0 , y =0 , v =4743  $w$  =45 , h =81 , x =51 , y =19 , v =3645

$$\le =44$$
 , h =19 , x =51 , y =0 , v =836



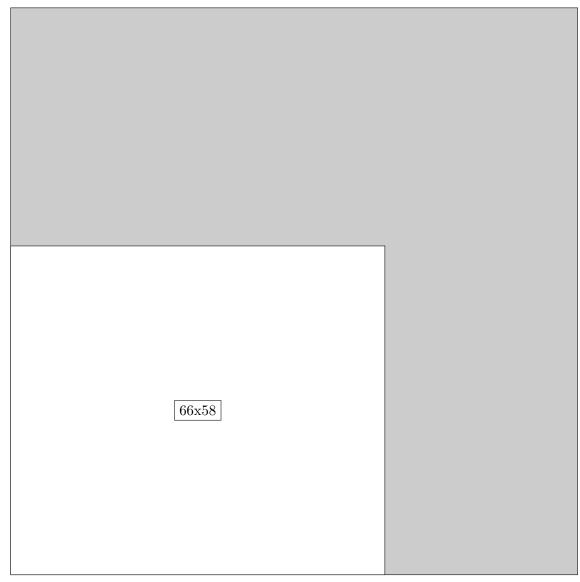
w = 59, h = 71, x = 0, y = 0, v = 4189



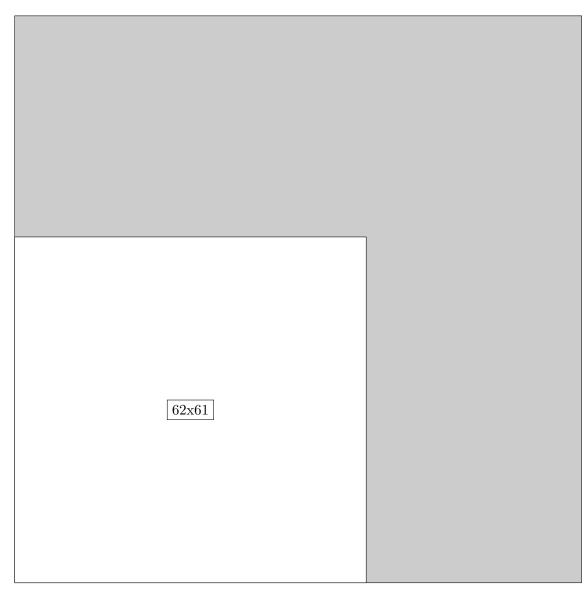
$$w = 89$$
,  $h = 77$ ,  $x = 0$ ,  $y = 0$ ,  $v = 6853$ 

$$\le =89$$
 , h =23 , x =0 , y =77 , v =2047

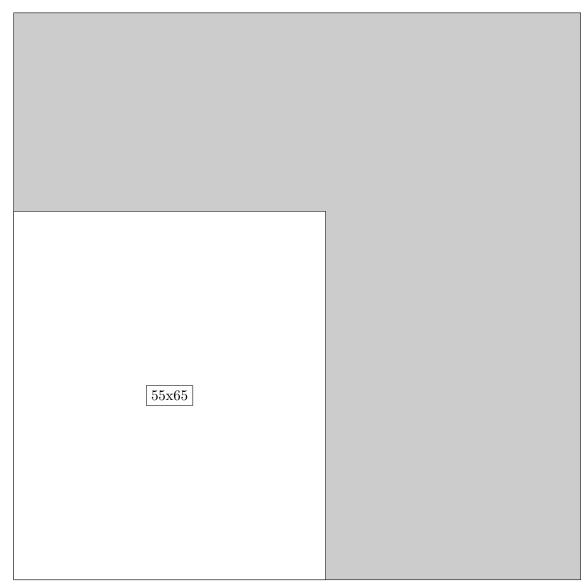
$$\le =10$$
 , h =80 , x =90 , y =0 , v =800



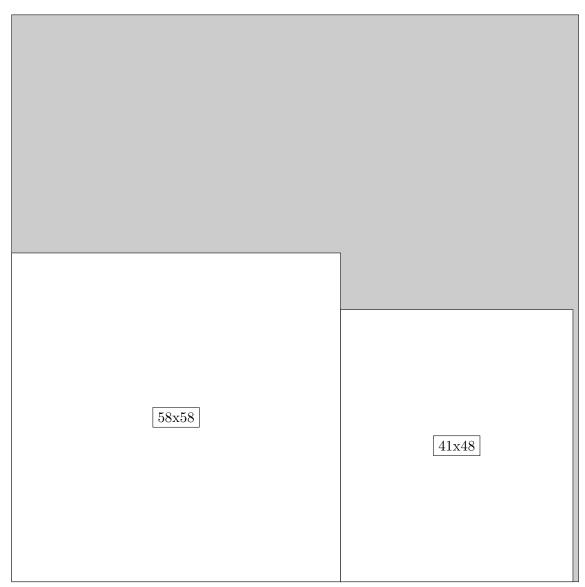
w = 66, h = 58, x = 0, y = 0, v = 3828



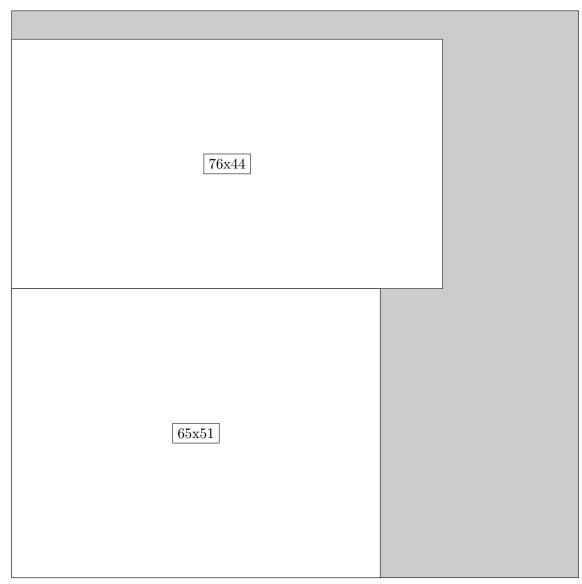
w = 62, h = 61, x = 0, y = 0, v = 3782



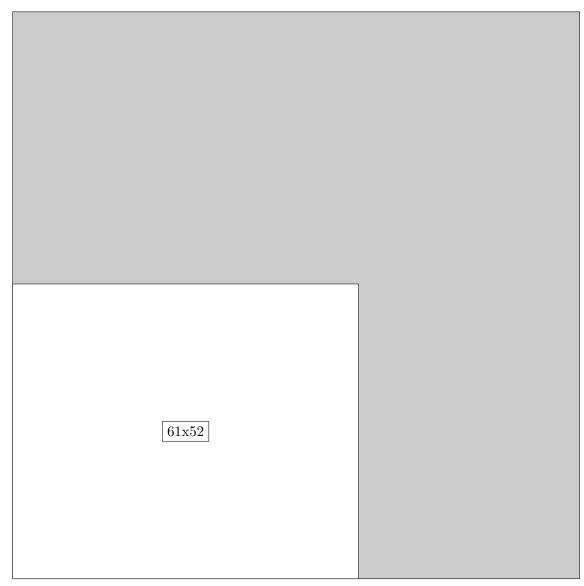
w = 55, h = 65, x = 0, y = 0, v = 3575



w =58, h =58, x =0, y =0, v =3364 w =41, h =48, x =58, y =0, v =1968



$$\begin{array}{l} w = \! 76 \ , \ h = \! 44 \ , \ x = \! 0 \ , \ y = \! 51 \ , \ v = \! 3344 \\ w = \! 65 \ , \ h = \! 51 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 3315 \end{array}$$



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