$ClassName: \ Class\_09.2bp-18$ 

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

TypeNum: <u>39</u> Num: <u>40</u> OutS: <u>210000</u> InS: <u>149025</u> Rate: <u>0.710</u> UB: <u>21</u>

UB: <u>21</u> LB0: <u>21</u> LB: <u>21</u>

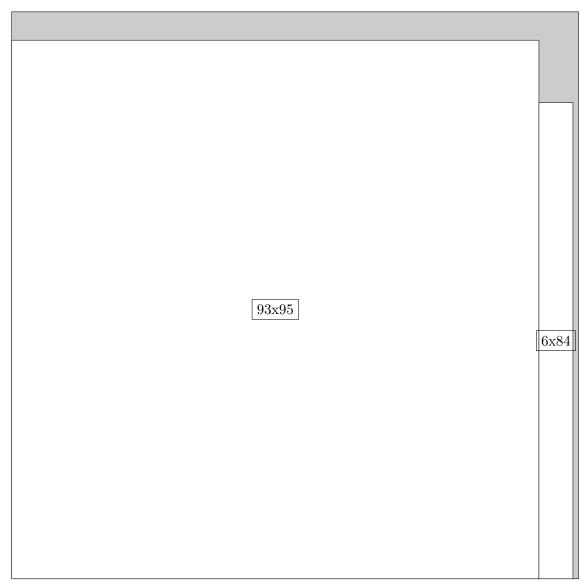
LBWithCut:  $\underline{21}$ NodeCut:  $\underline{0}$ 

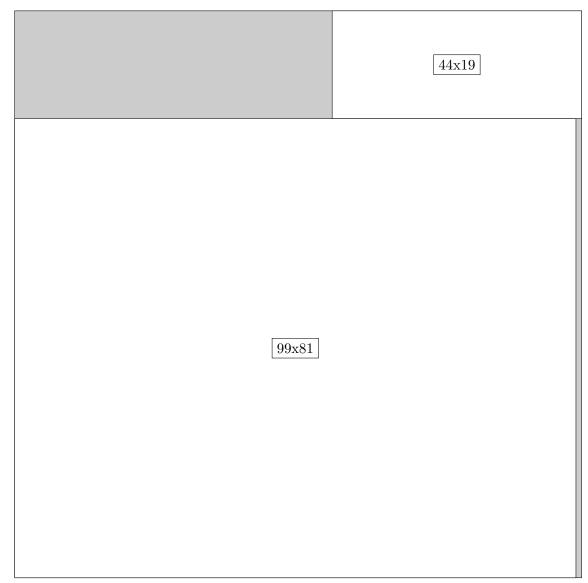
ExtendedNodeCnt:  $\underline{\mathbf{1}}$ 

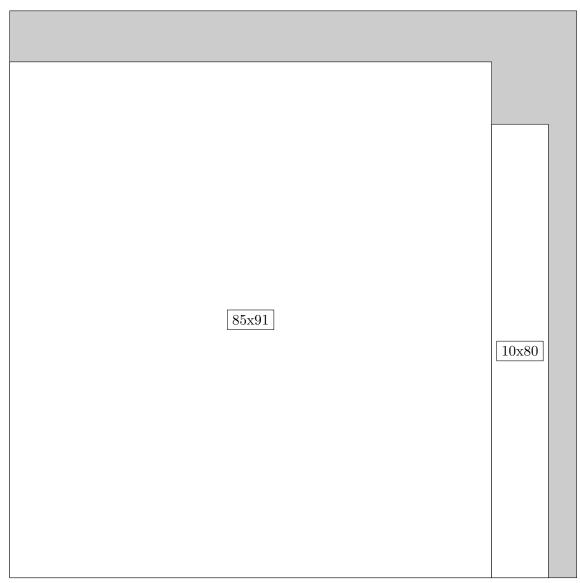
GenNodeCnt:  $\underline{\mathbf{1}}$ PrimalNode:  $\underline{\mathbf{0}}$ ColumnCount:  $\underline{\mathbf{21}}$ TotalCutCount:  $\underline{\mathbf{0}}$ RootCutCount:  $\underline{\mathbf{0}}$ LPSolverCnt:  $\underline{\mathbf{1}}$ PricingSolverCnt:  $\underline{\mathbf{0}}$ BranchAndBoundNum:  $\underline{\mathbf{1}}$ 

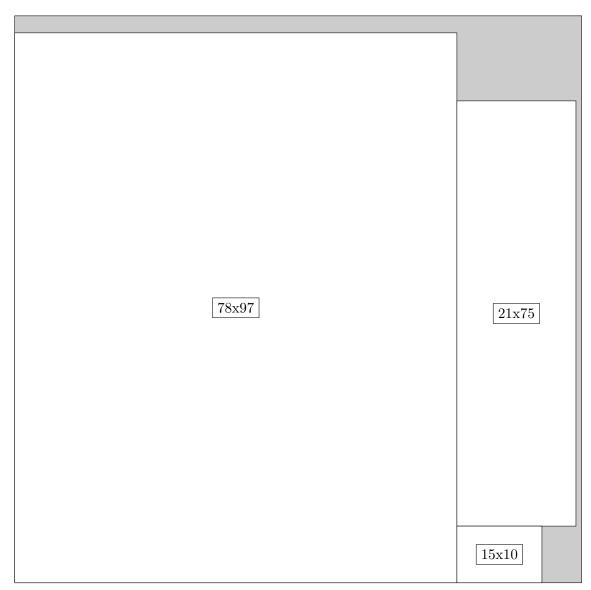
isOpt: **true** 

TimeOnInitSolution: 0.010 sTimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.063 sTotalTime: 0.135 s





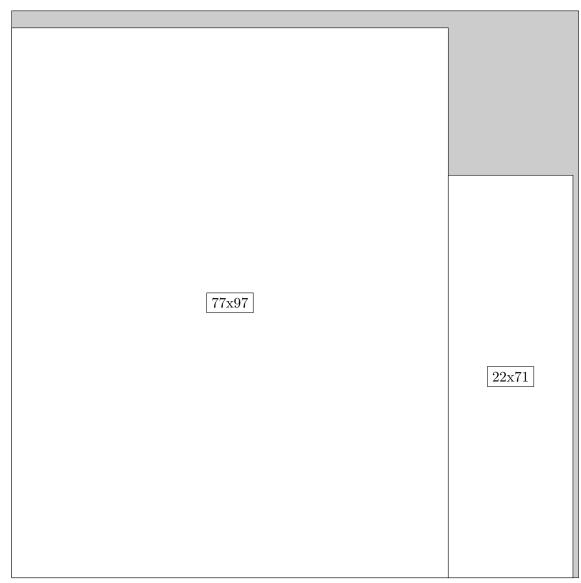




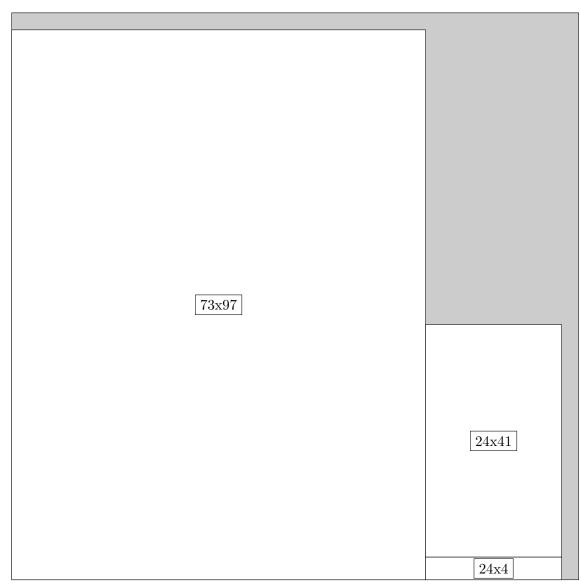
$$w = 78 \; , \; h = 97 \; , \; x = 0 \; , \; y = 0 \; , \; v = 7566 \;$$

$$w$$
 =21 ,  $h$  =75 ,  $x$  =78 ,  $y$  =10 ,  $v$  =1575

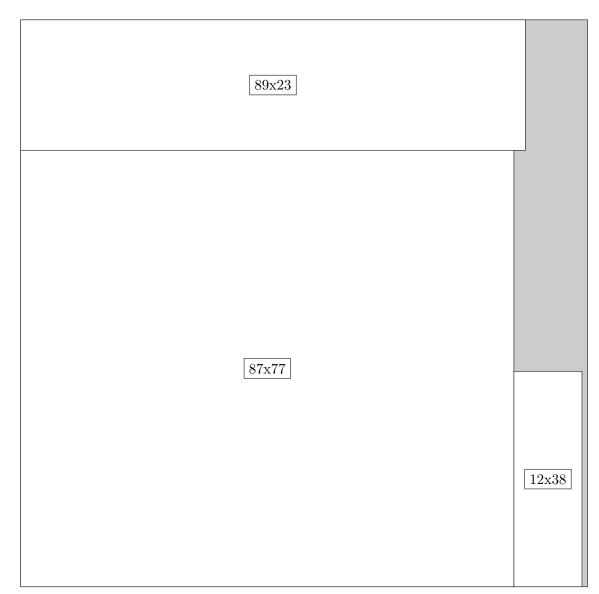
$$\le =15$$
 ,  $h$  =10 ,  $x$  =78 ,  $y$  =0 ,  $v$  =150



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



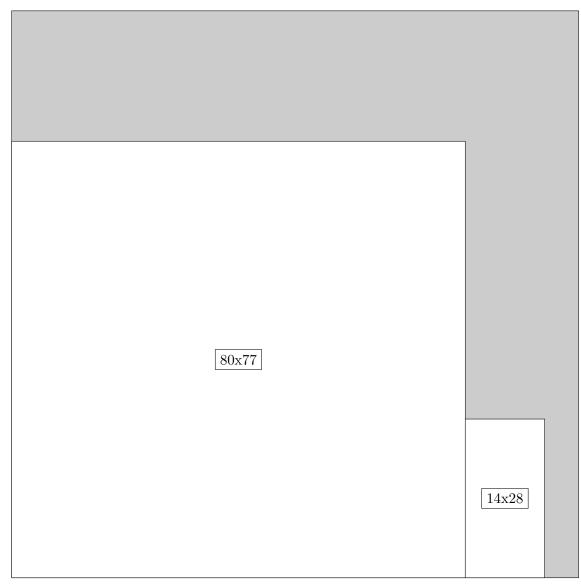
$$\begin{array}{l} w = 73 \ , \ h = 97 \ , \ x = 0 \ , \ y = 0 \ , \ v = 7081 \\ w = 24 \ , \ h = 41 \ , \ x = 73 \ , \ y = 4 \ , \ v = 984 \\ w = 24 \ , \ h = 4 \ , \ x = 73 \ , \ y = 0 \ , \ v = 96 \end{array}$$



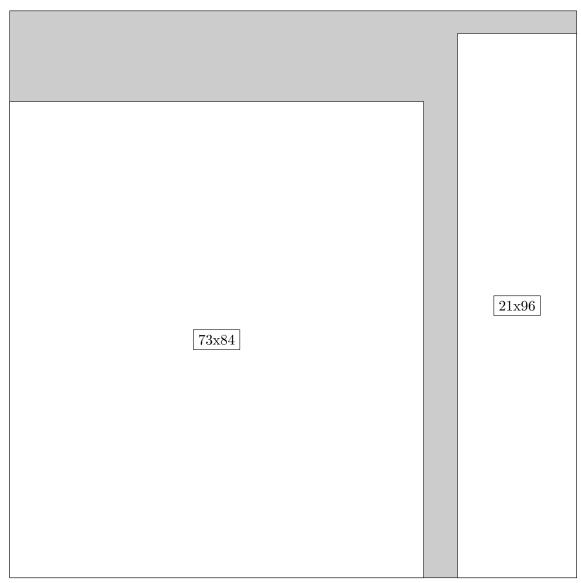
$$\mathbf{w}$$
 =87 , h =77 , x =0 , y =0 , v =6699

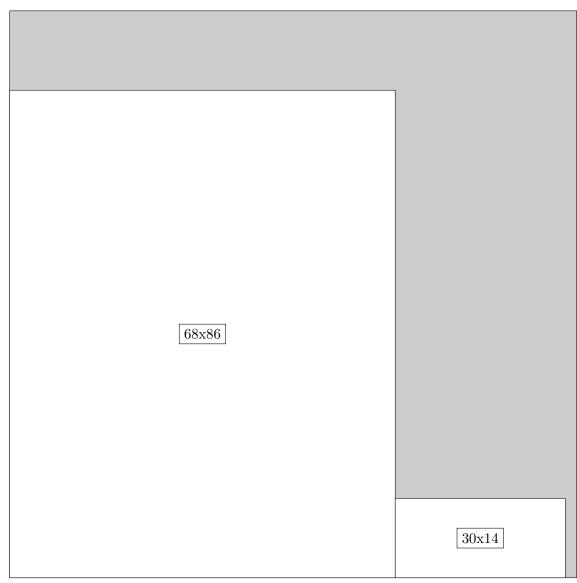
$$\le =89$$
 , h =23 , x =0 , y =77 , v =2047

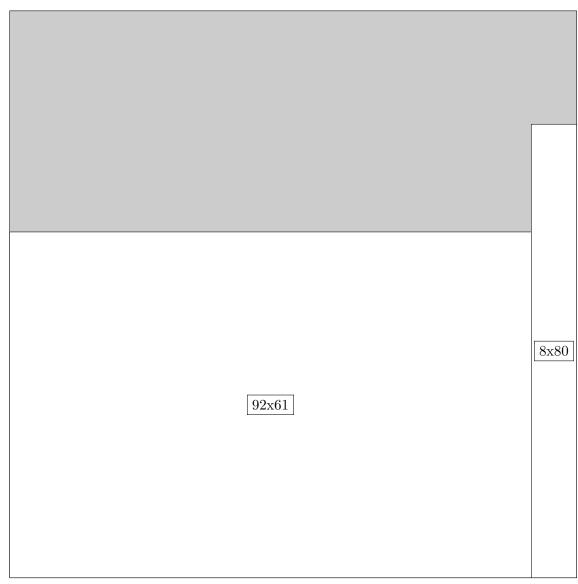
$$\le =12$$
 , h =38 , x =87 , y =0 , v =456



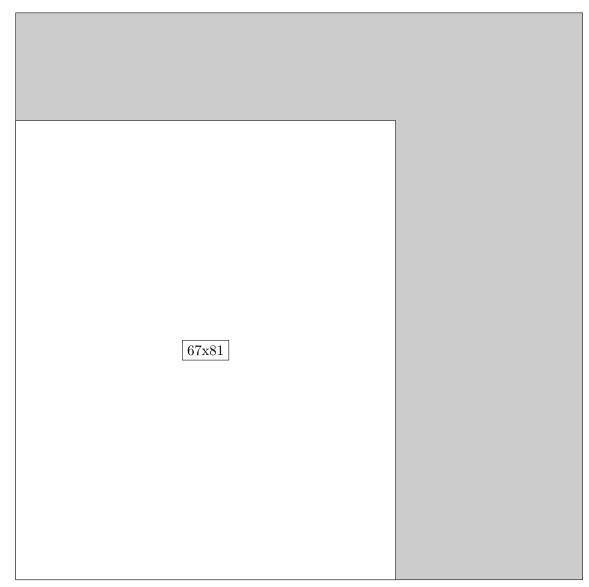
$$\begin{array}{c} w = \! 80 \; , \; h = \! 77 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 6160 \\ w = \! 14 \; , \; h = \! 28 \; , \; x = \! 80 \; , \; y = \! 0 \; , \; v = \! 392 \end{array}$$



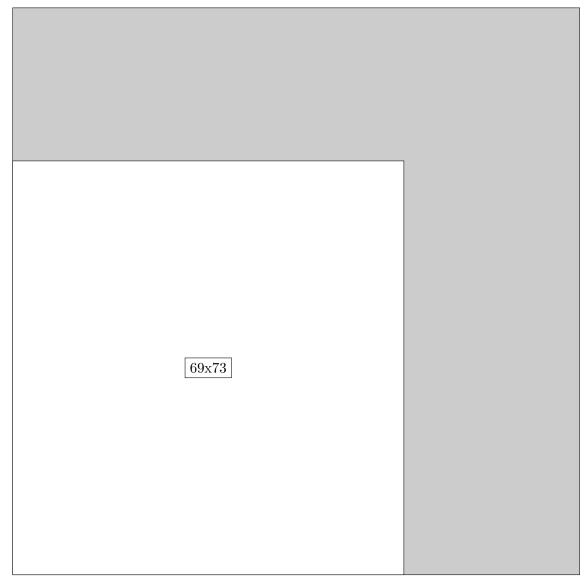




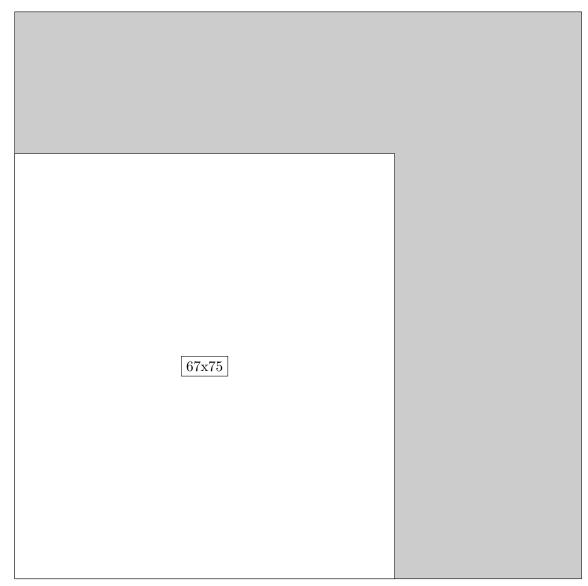
w =92, h =61, x =0, y =0, v =5612 w =8, h =80, x =92, y =0, v =640



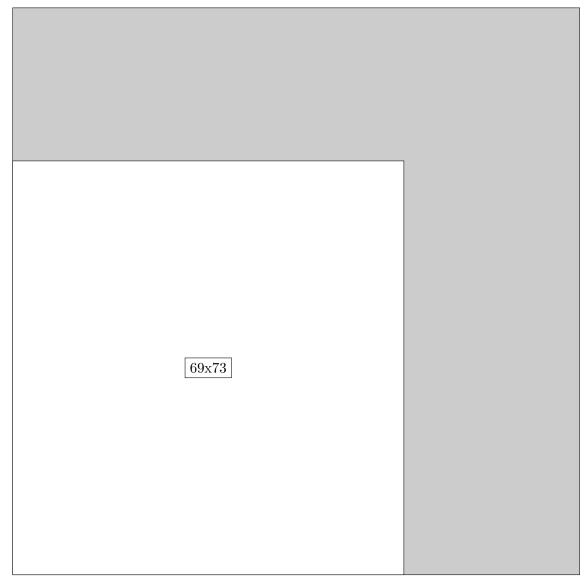
 $\le =67$  , h =81 , x =0 , y =0 , v = 5427



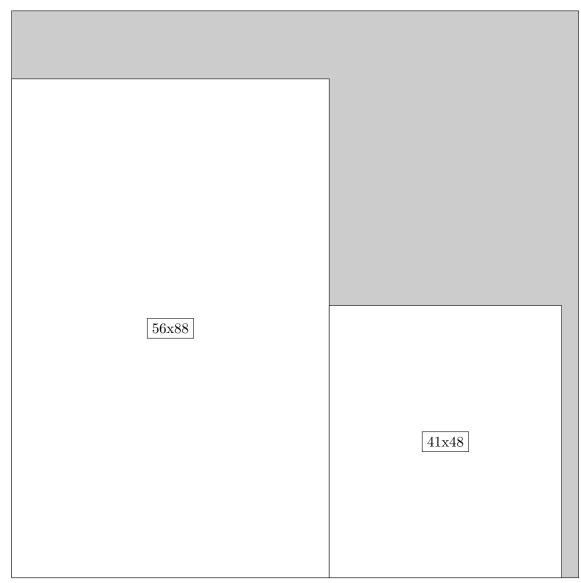
w = 69, h = 73, x = 0, y = 0, v = 5037



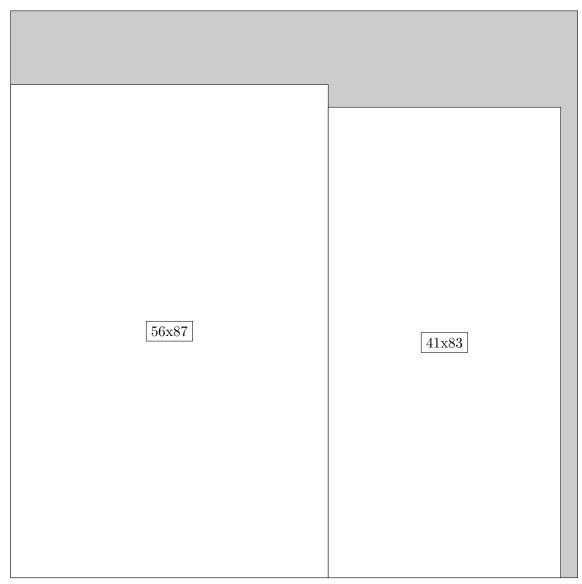
 $\le =67$  , h =75 , x =0 , y =0 , v =5025



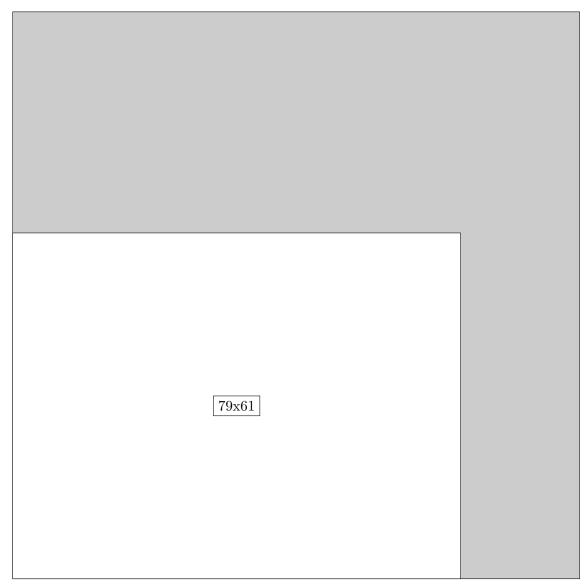
w = 69, h = 73, x = 0, y = 0, v = 5037



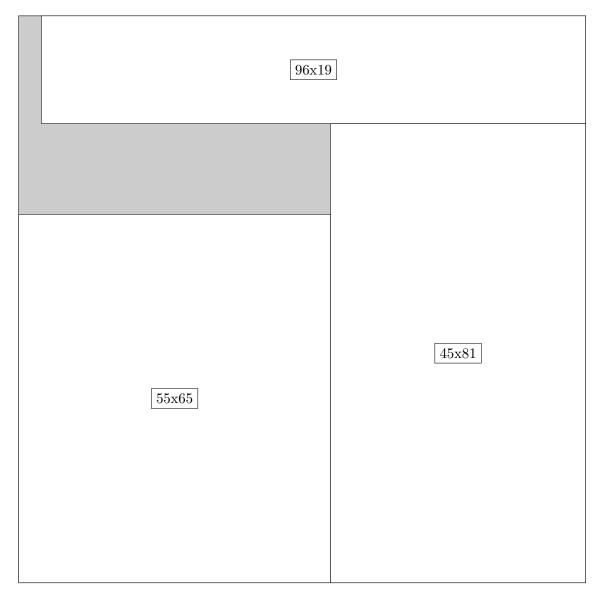
$$\begin{array}{c} w = \!\! 56 \; , \; h = \!\! 88 \; , \; x = \!\! 0 \; , \; y = \!\! 0 \; , \; v = \!\! 4928 \\ w = \!\! 41 \; , \; h = \!\! 48 \; , \; x = \!\! 56 \; , \; y = \!\! 0 \; , \; v = \!\! 1968 \\ \end{array}$$



$$\begin{array}{c} w = \!\! 56 \; , \; h = \!\! 87 \; , \; x = \!\! 0 \; , \; y = \!\! 0 \; , \; v = \!\! 4872 \\ w = \!\! 41 \; , \; h = \!\! 83 \; , \; x = \!\! 56 \; , \; y = \!\! 0 \; , \; v = \!\! 3403 \\ \end{array}$$



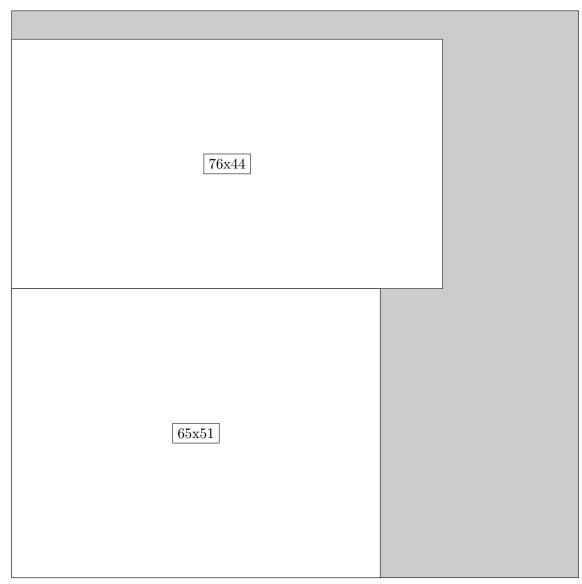
w = 79, h = 61, x = 0, y = 0, v = 4819



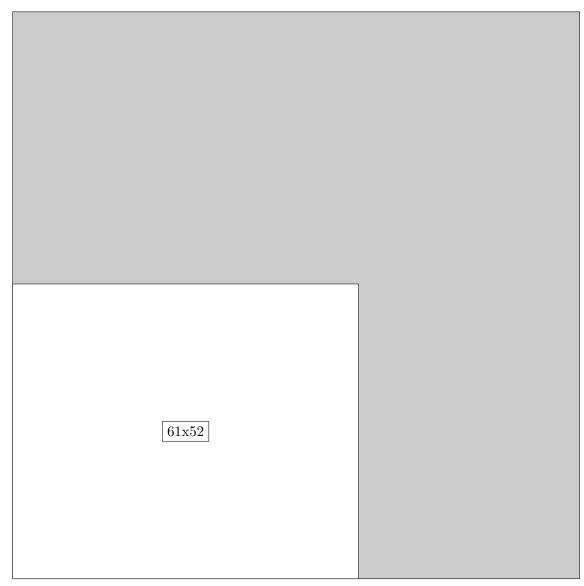
$$w = 45$$
,  $h = 81$ ,  $x = 55$ ,  $y = 0$ ,  $v = 3645$ 

$$\le =55$$
 ,  $h=65$  ,  $x=0$  ,  $y=0$  ,  $v=3575$ 

$$\le =96$$
 , h =19 , x =4 , y =81 , v =1824



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



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