${\bf ClassName:}~{\bf Class_09.2bp\text{-}39}$

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

TypeNum: <u>78</u> Num: <u>80</u> OutS: <u>600000</u> InS: <u>389562</u> Rate: <u>0.649</u> UB: <u>60</u> LB0: <u>60</u> LB: <u>60</u>

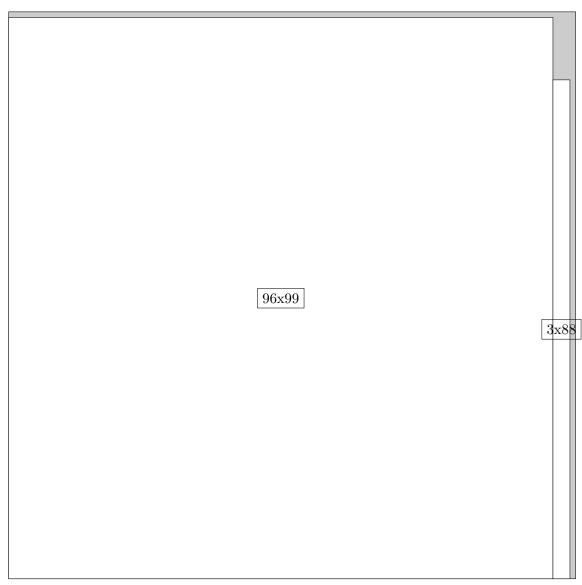
LBWithCut: $\underline{\mathbf{60}}$ NodeCut: $\underline{\mathbf{0}}$

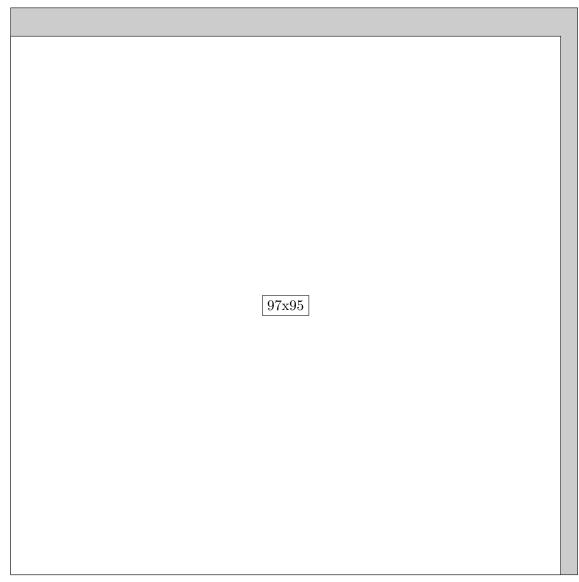
ExtendedNodeCnt: $\underline{\mathbf{1}}$

GenNodeCnt: $\underline{\mathbf{1}}$ PrimalNode: $\underline{\mathbf{0}}$ ColumnCount: $\underline{\mathbf{60}}$ TotalCutCount: $\underline{\mathbf{0}}$ RootCutCount: $\underline{\mathbf{0}}$ LPSolverCnt: $\underline{\mathbf{1}}$ PricingSolverCnt: $\underline{\mathbf{0}}$ BranchAndBoundNum: $\underline{\mathbf{1}}$

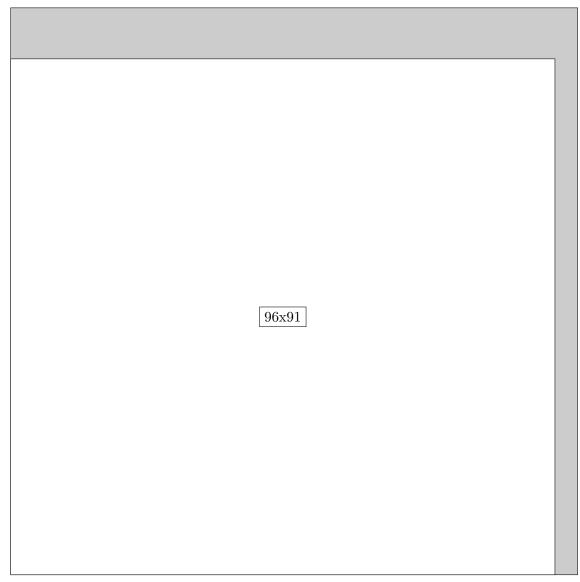
isOpt: **true**

TimeOnInitSolution: 0.180 sTimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.078 sTotalTime: 0.321 s

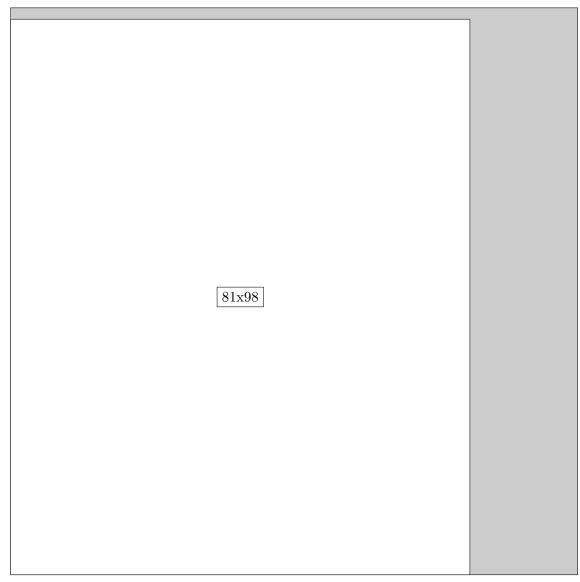




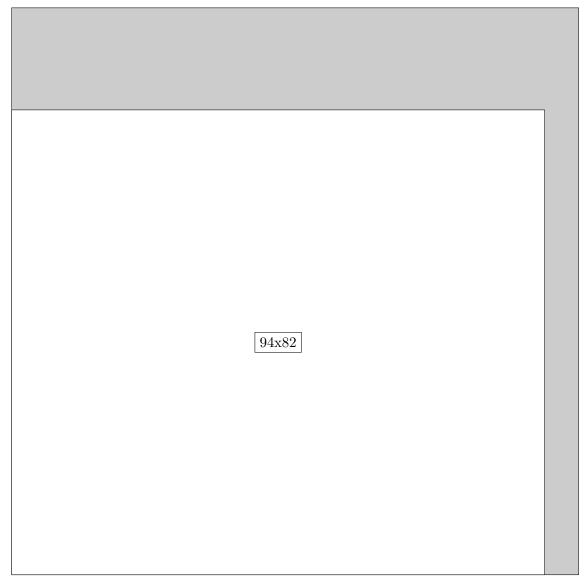
w = 97, h = 95, x = 0, y = 0, v = 9215



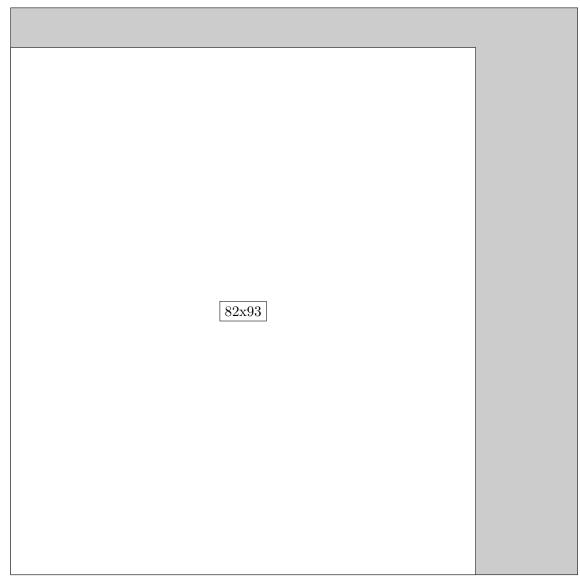
 $\le =96$, h =91 , x =0 , y =0 , v =8736



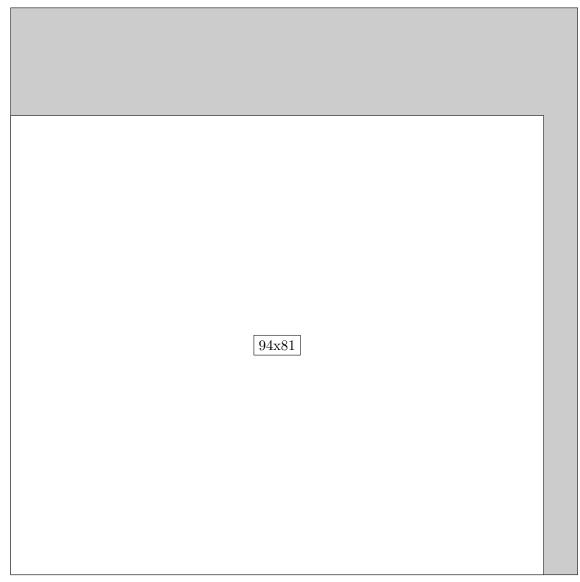
w = 81, h = 98, x = 0, y = 0, v = 7938



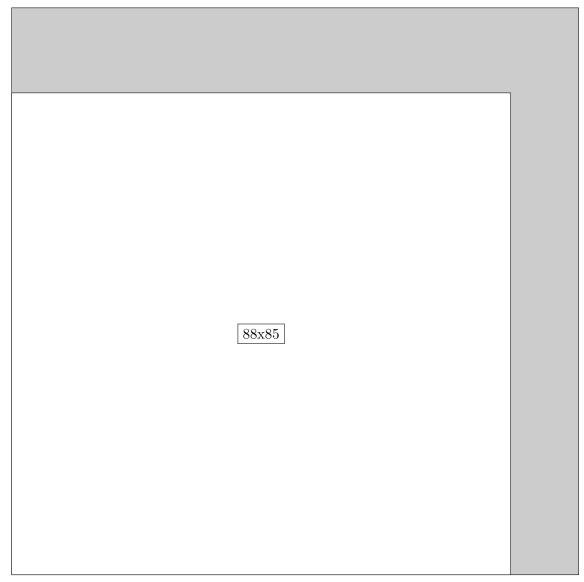
w = 94, h = 82, x = 0, y = 0, v = 7708



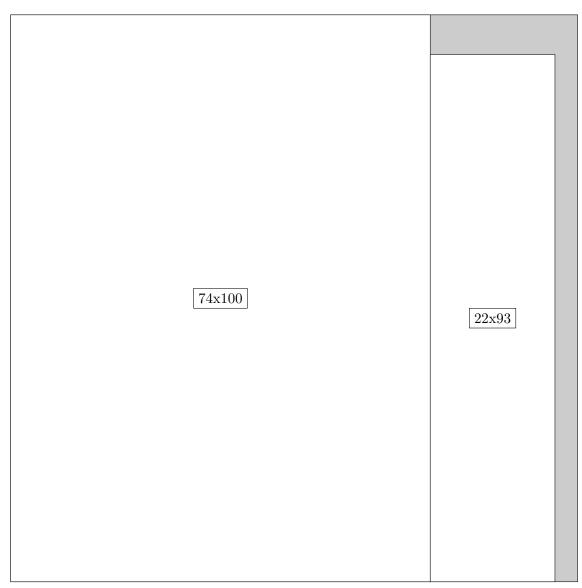
 $\le =82$, h =93 , x =0 , y =0 , v =7626

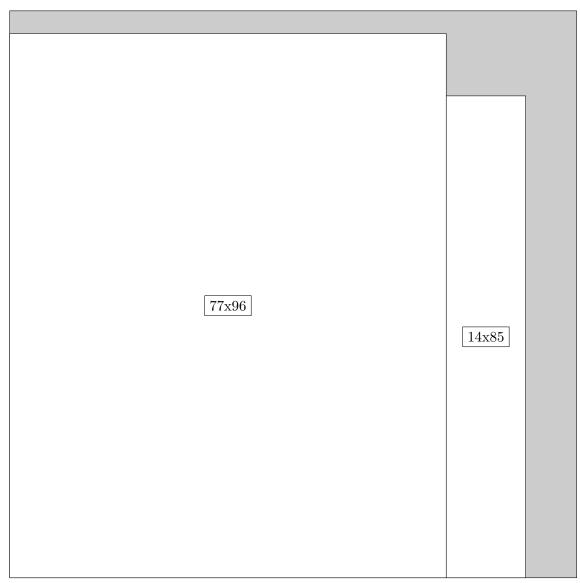


 $\le =94$, h =81 , x =0 , y =0 , v =7614

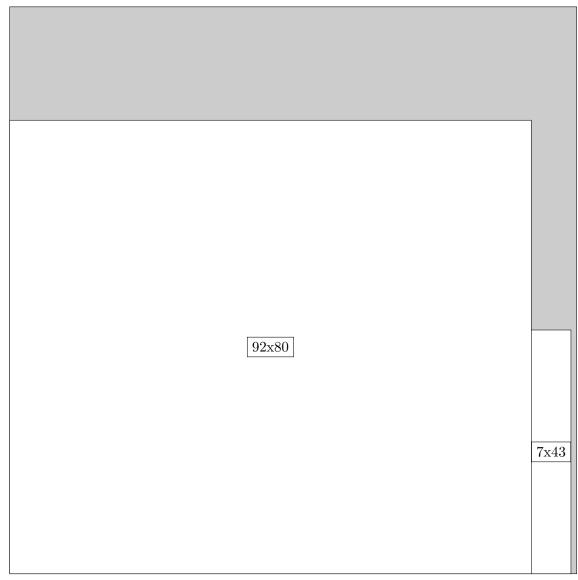


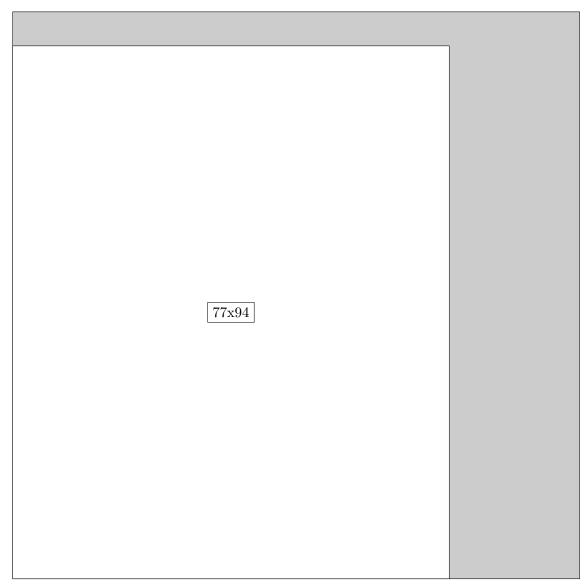
 $\le =88$, h =85 , x =0 , y =0 , v =7480



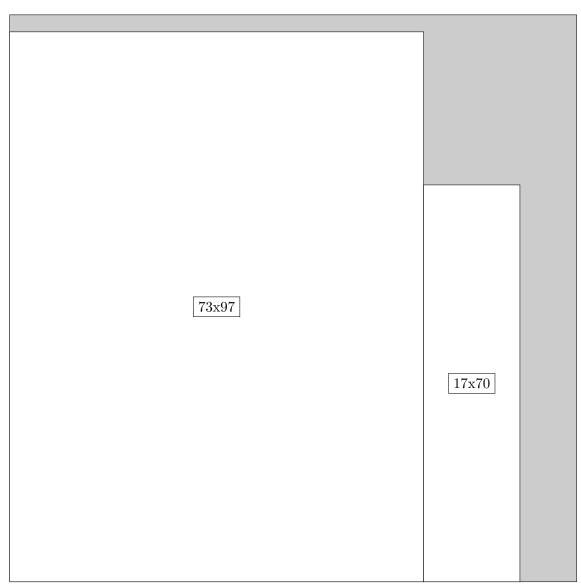


$$\begin{array}{c} w = \!\!\! 77 \; , \; h = \!\!\! 96 \; , \; x = \!\!\! 0 \; , \; y = \!\!\! 0 \; , \; v = \!\!\! 7392 \\ w = \!\!\! 14 \; , \; h = \!\!\! 85 \; , \; x = \!\!\! 77 \; , \; y = \!\!\! 0 \; , \; v = \!\!\! 1190 \\ \end{array}$$

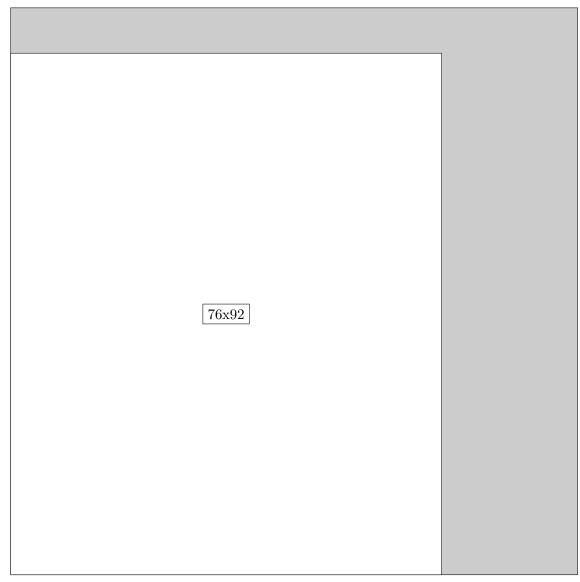




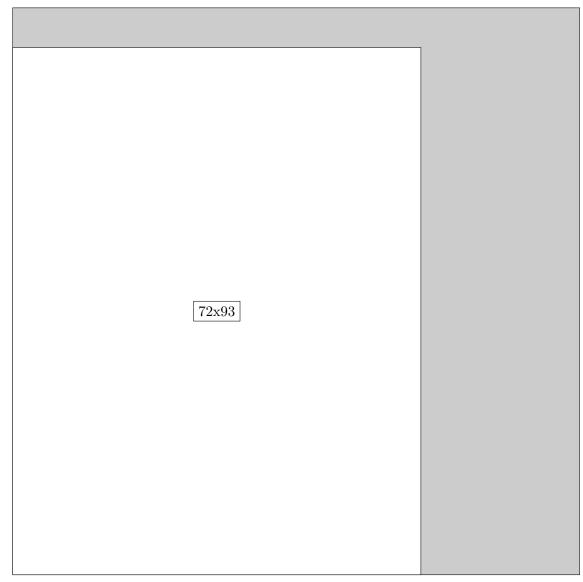
w = 77, h = 94, x = 0, y = 0, v = 7238



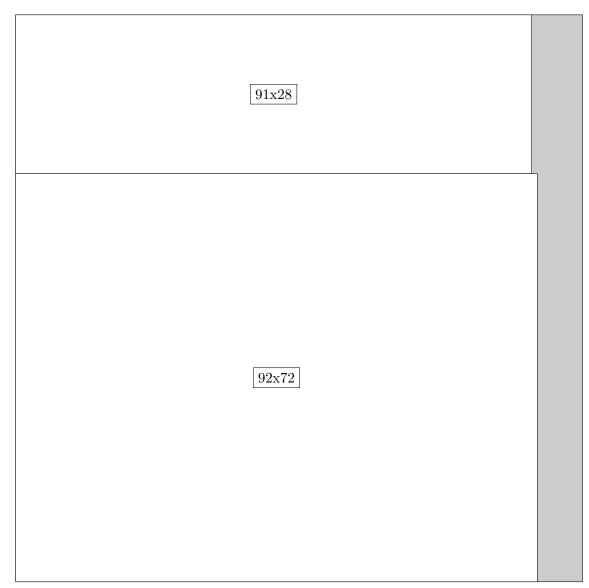
$$\begin{array}{c} w = 73 \; , \; h = 97 \; , \; x = 0 \; , \; y = 0 \; , \; v = 7081 \\ w = 17 \; , \; h = 70 \; , \; x = 73 \; , \; y = 0 \; , \; v = 1190 \\ \end{array}$$



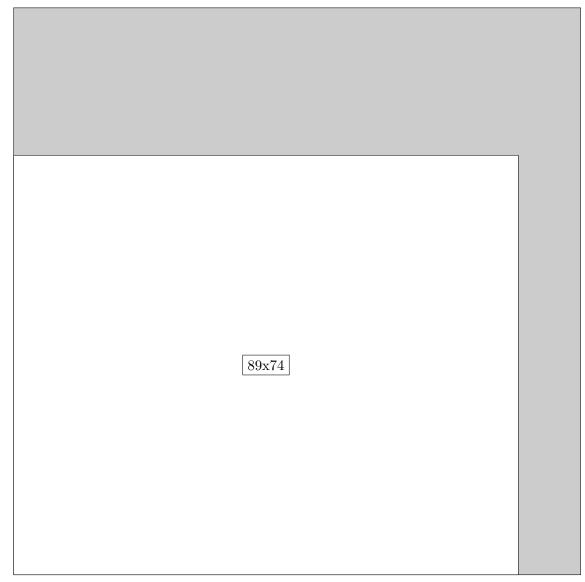
w = 76, h = 92, x = 0, y = 0, v = 6992



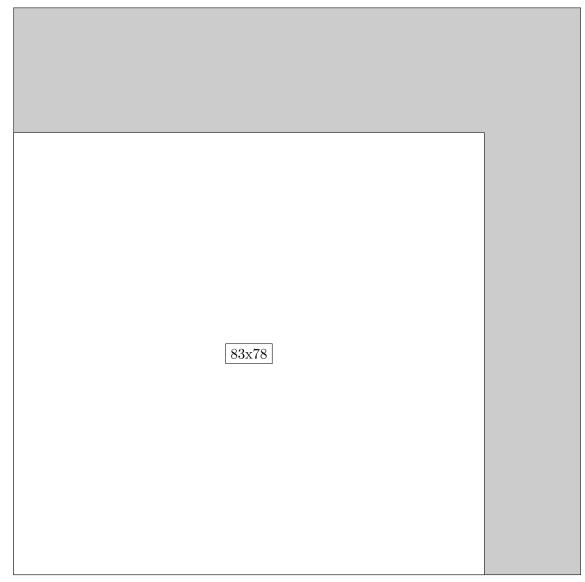
w = 72, h = 93, x = 0, y = 0, v = 6696



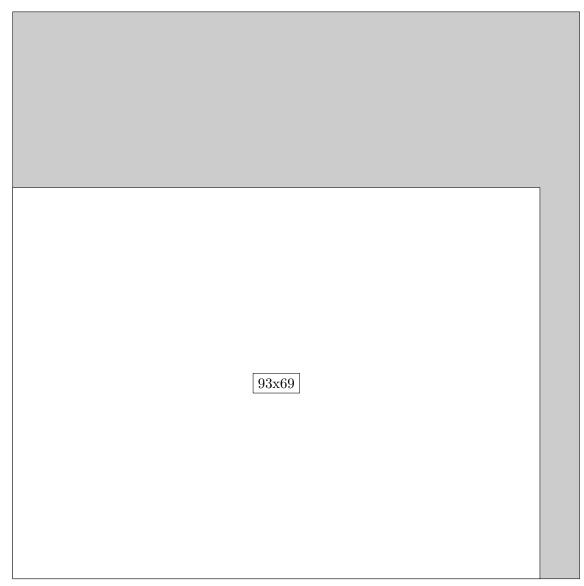
$$\begin{array}{l} w = \! 92 \ , \ h = \! 72 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 6624 \\ w = \! 91 \ , \ h = \! 28 \ , \ x = \! 0 \ , \ y = \! 72 \ , \ v = \! 2548 \end{array}$$



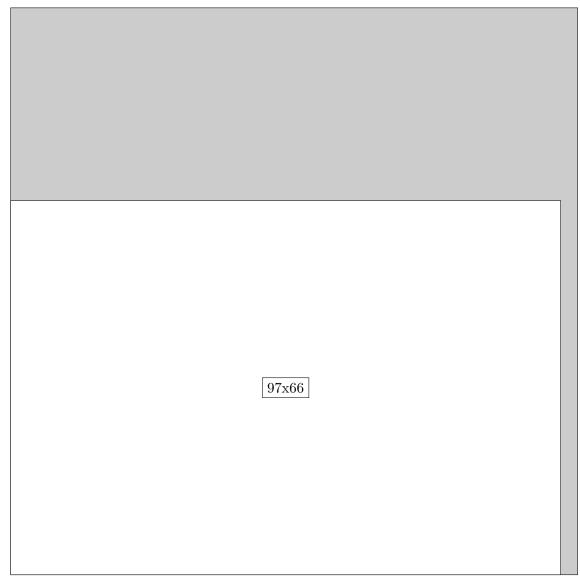
 ≤ 89 , h =74 , x =0 , y =0 , v =6586



 $\le =83$, h =78 , x =0 , y =0 , v =6474



w = 93, h = 69, x = 0, y = 0, v = 6417



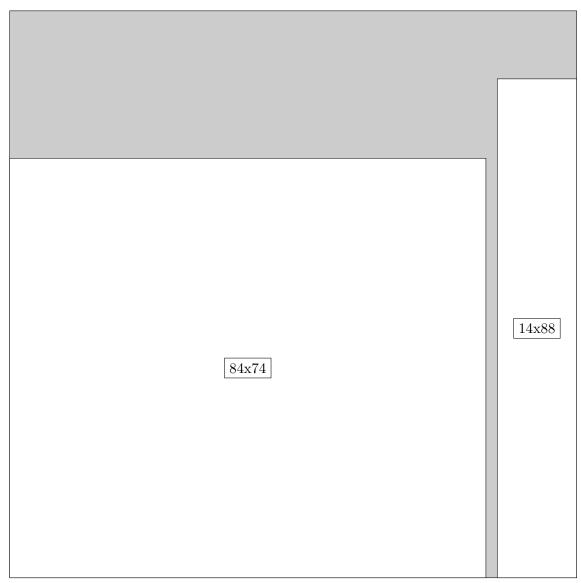
w = 97, h = 66, x = 0, y = 0, v = 6402

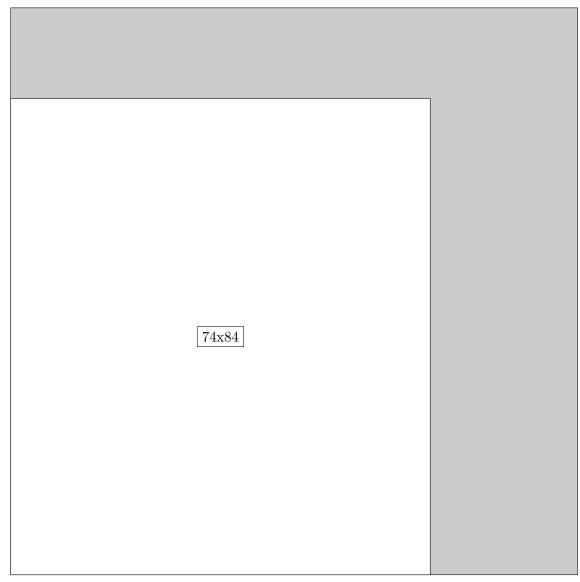


 $\le =80$, h =79 , x =0 , y =0 , v =6320

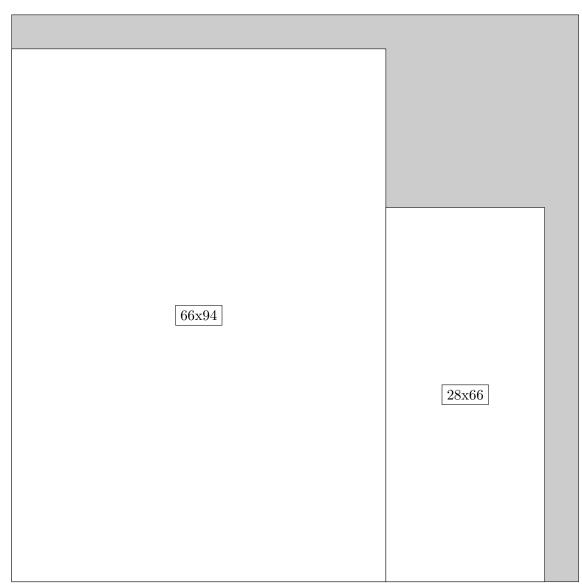


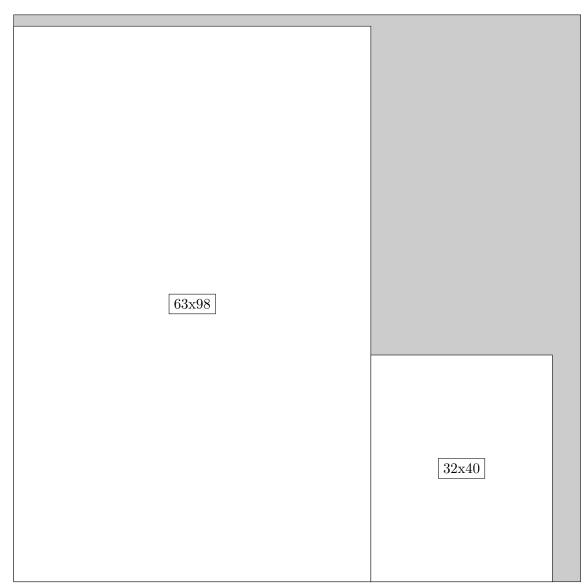
 $\le =80$, h =79 , x =0 , y =0 , v =6320



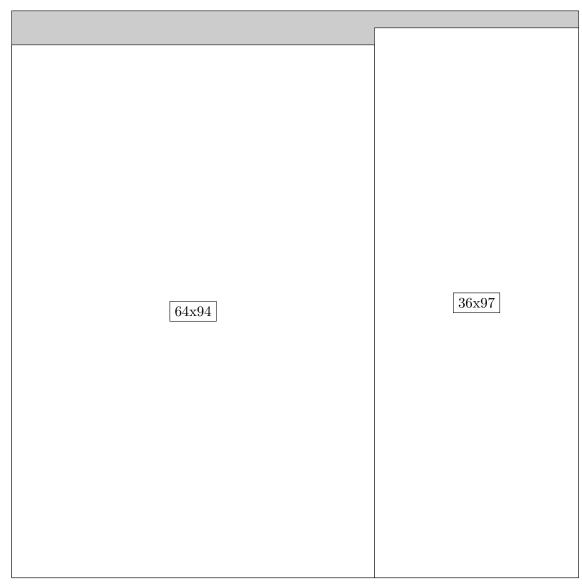


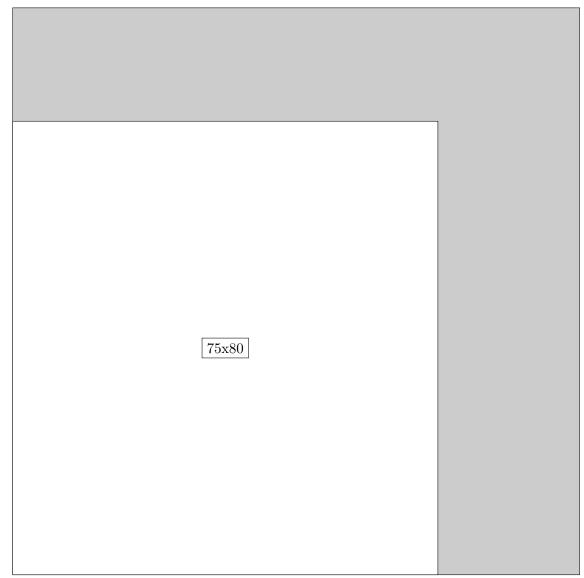
w = 74, h = 84, x = 0, y = 0, v = 6216



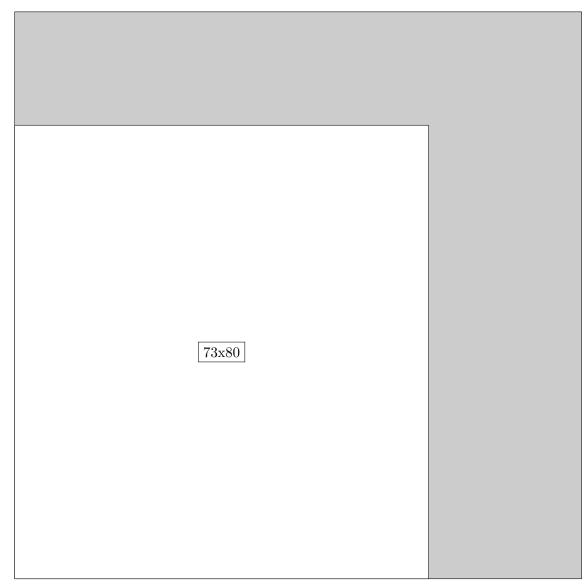


$$\begin{array}{c} w = \!63 \; , \; h = \!98 \; , \; x = \!0 \; , \; y = \!0 \; , \; v = \!6174 \\ w = \!32 \; , \; h = \!40 \; , \; x = \!63 \; , \; y = \!0 \; , \; v = \!1280 \\ \end{array}$$

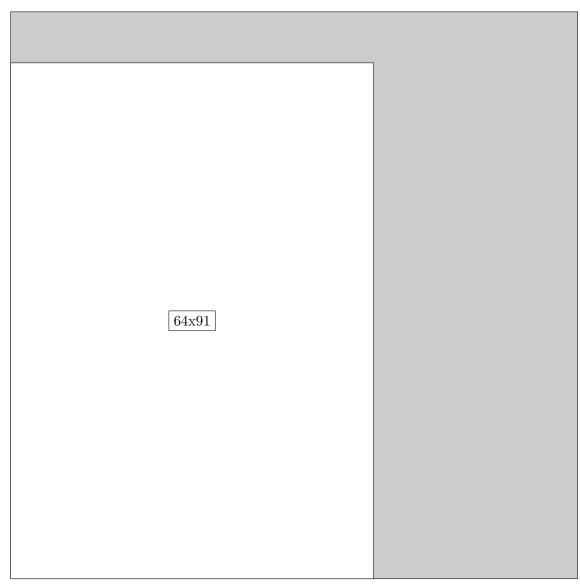




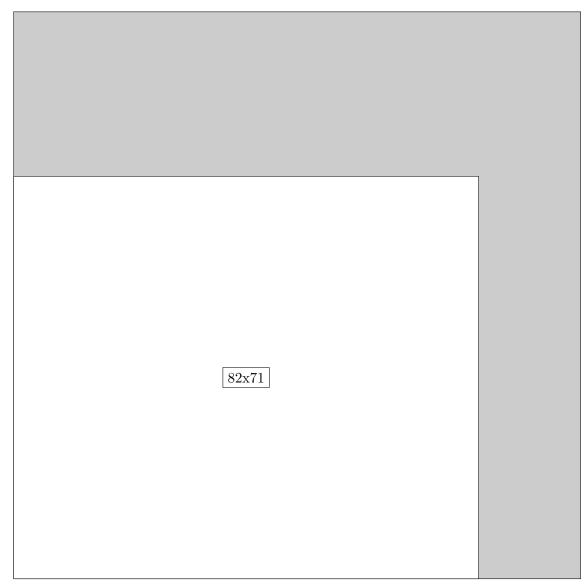
w = 75, h = 80, x = 0, y = 0, v = 6000



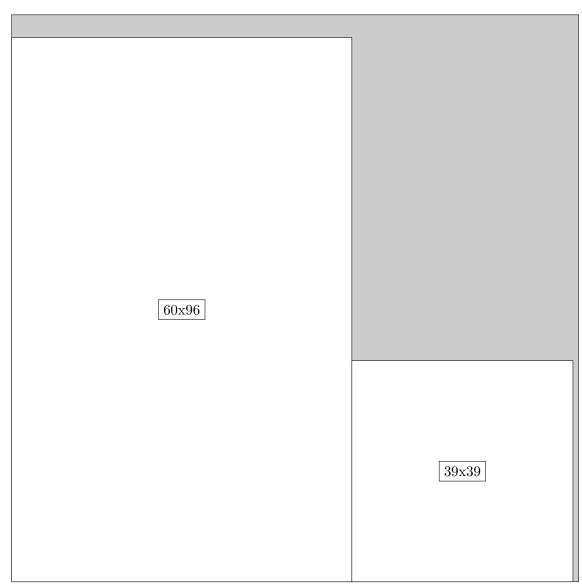
w = 73, h = 80, x = 0, y = 0, v = 5840

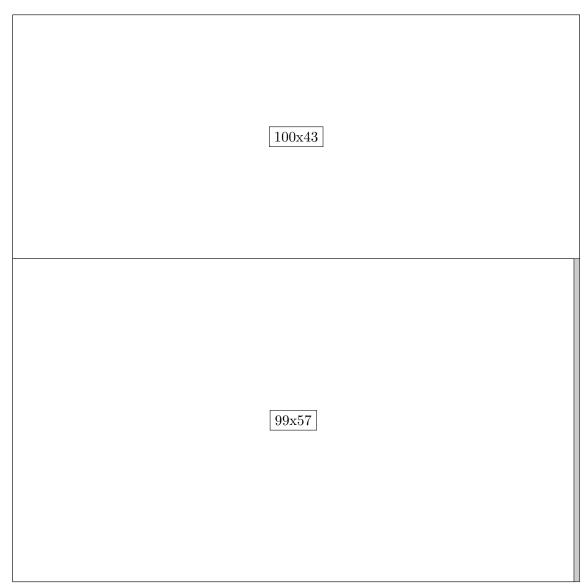


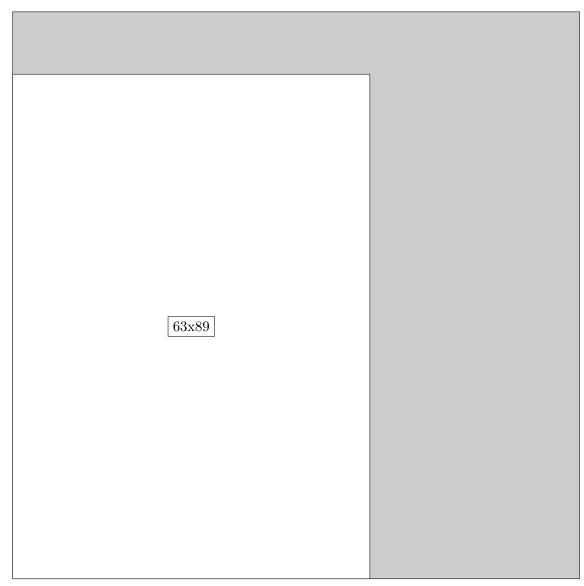
w = 64, h = 91, x = 0, y = 0, v = 5824



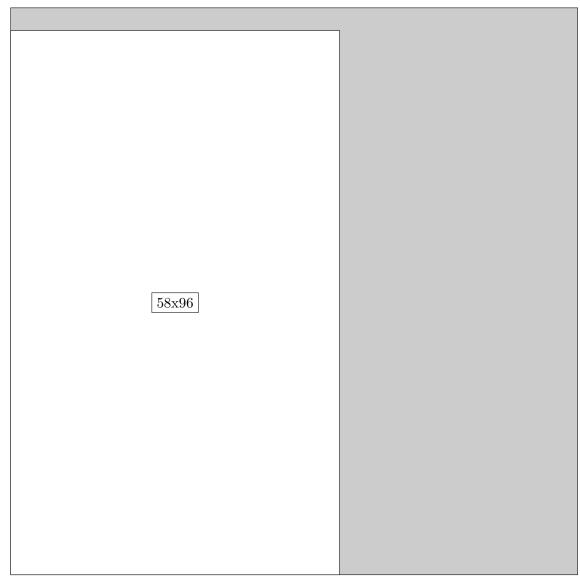
 $\le =82$, h =71 , x =0 , y =0 , v =5822



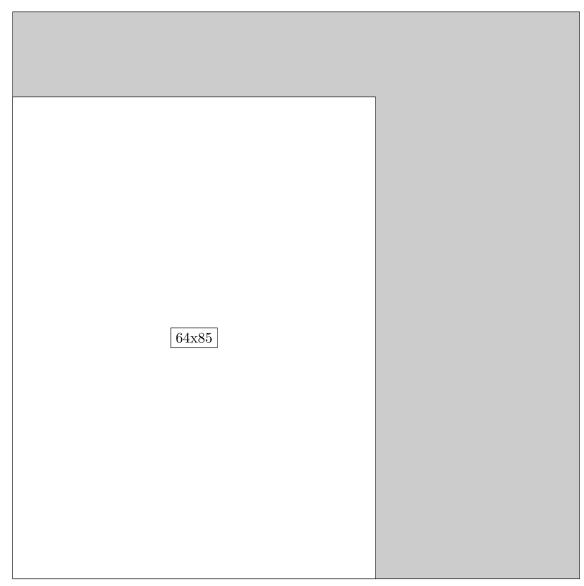




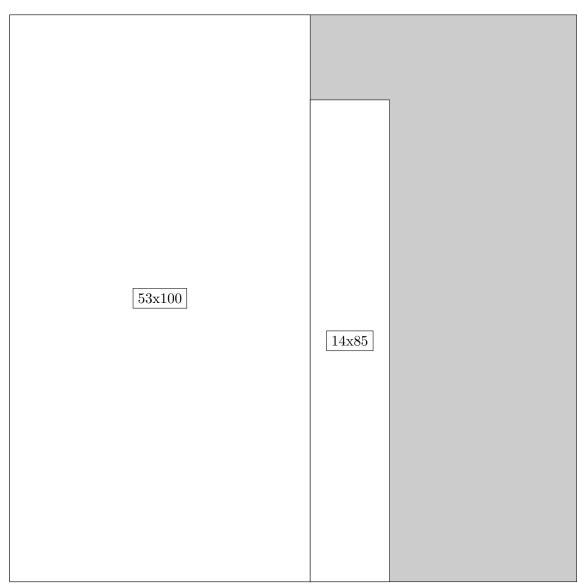
w = 63, h = 89, x = 0, y = 0, v = 5607

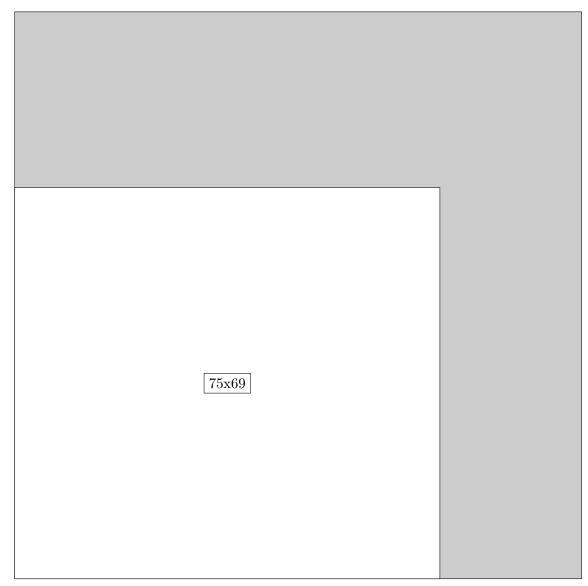


w = 58, h = 96, x = 0, y = 0, v = 5568

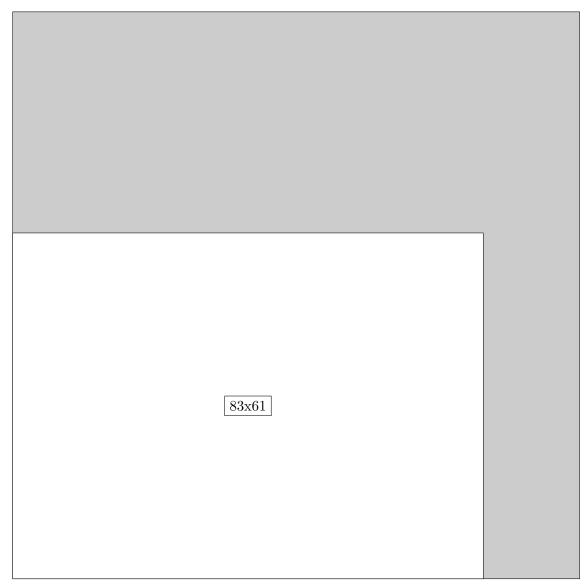


w = 64, h = 85, x = 0, y = 0, v = 5440

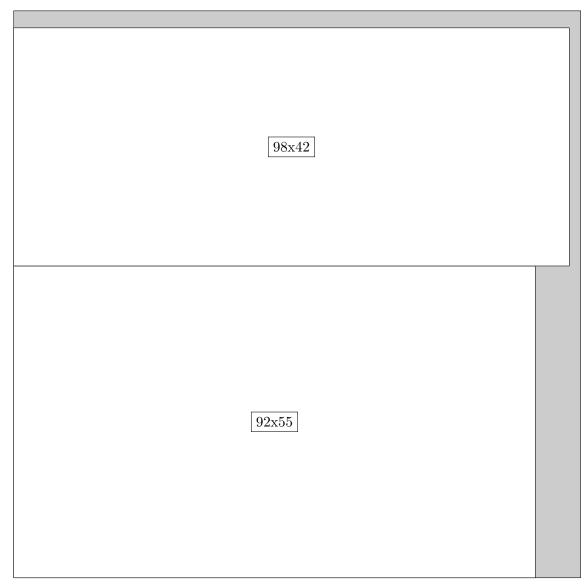


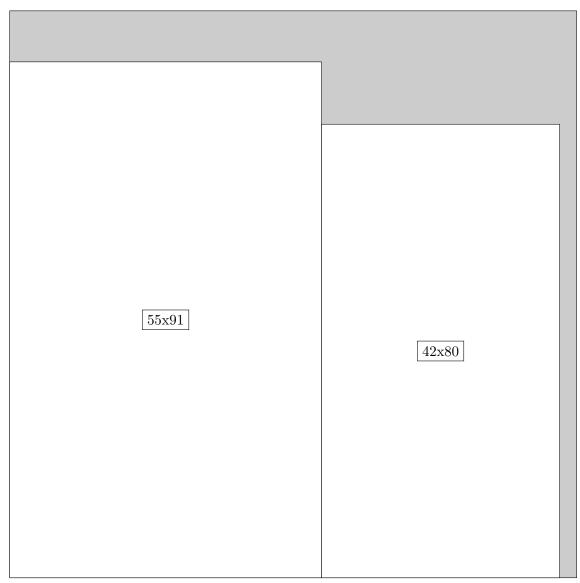


w = 75, h = 69, x = 0, y = 0, v = 5175

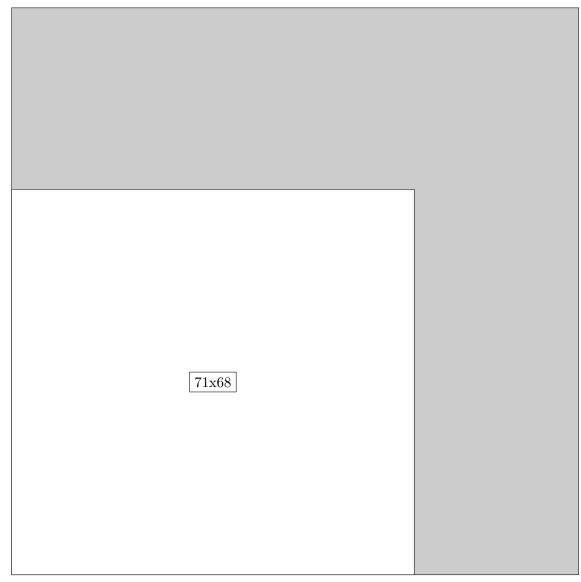


w = 83, h = 61, x = 0, y = 0, v = 5063

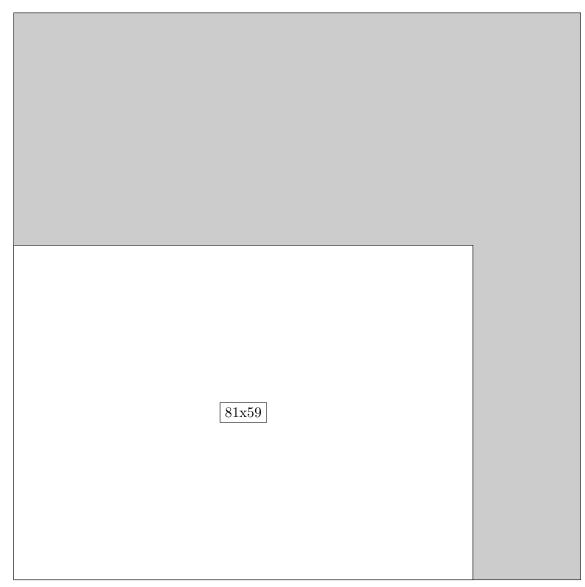




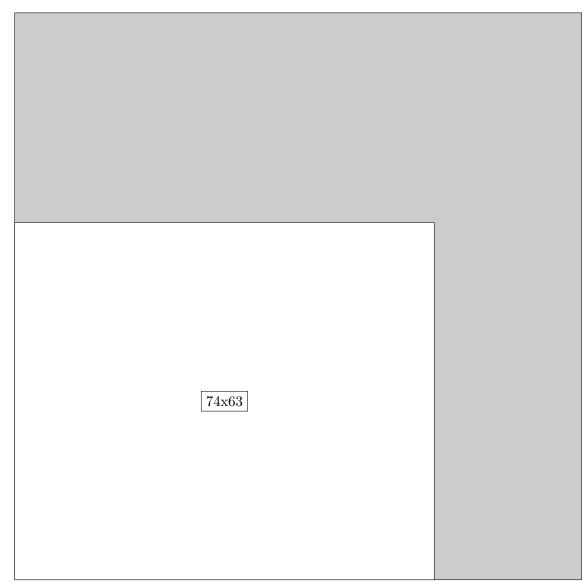
$$\begin{array}{c} w = \!\! 55 \ , \ h = \!\! 91 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 5005 \\ w = \!\! 42 \ , \ h = \!\! 80 \ , \ x = \!\! 55 \ , \ y = \!\! 0 \ , \ v = \!\! 3360 \end{array}$$



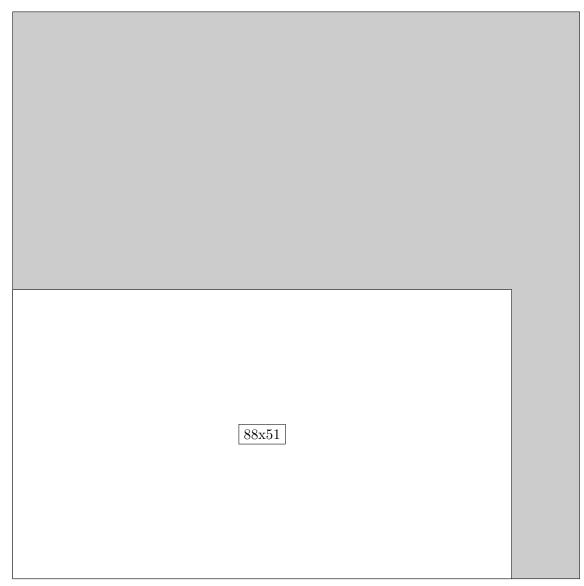
w = 71, h = 68, x = 0, y = 0, v = 4828



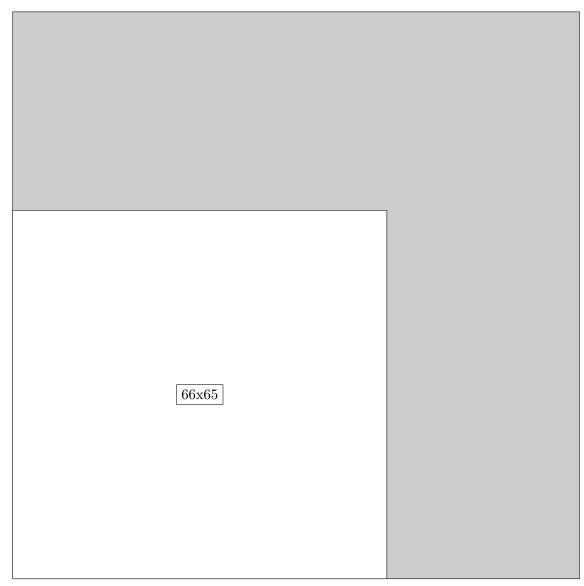
w = 81, h = 59, x = 0, y = 0, v = 4779



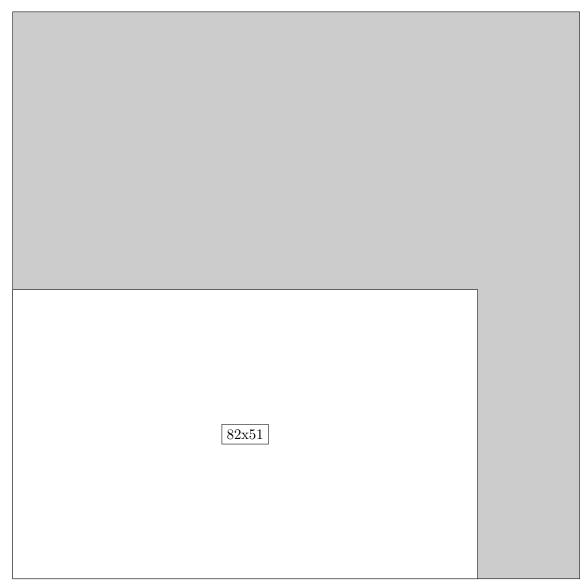
w = 74, h = 63, x = 0, y = 0, v = 4662



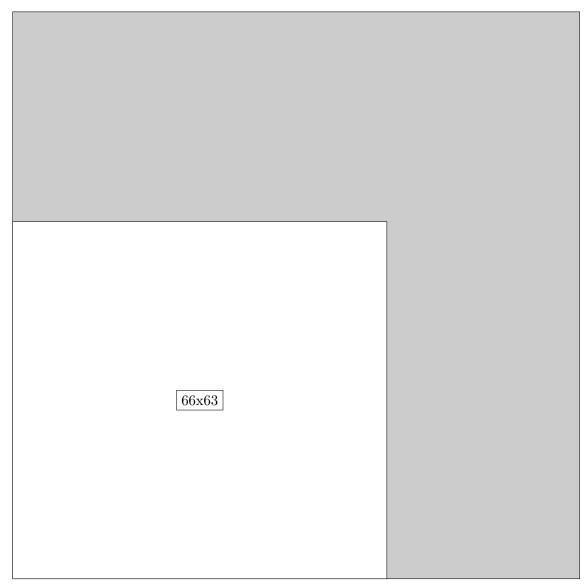
 $\le =88$, h =51 , x =0 , y =0 , v =4488



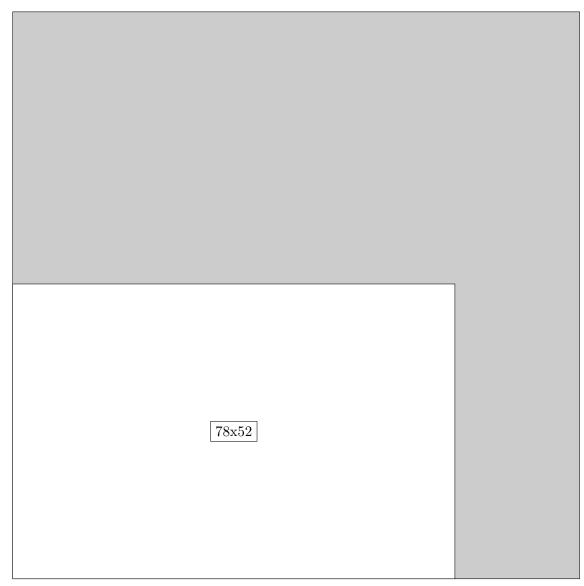
w = 66, h = 65, x = 0, y = 0, v = 4290



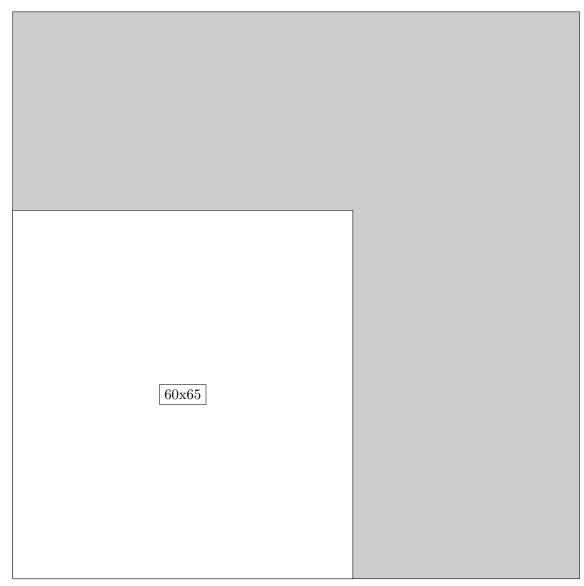
 $\le =82$, h =51 , x =0 , y =0 , v =4182



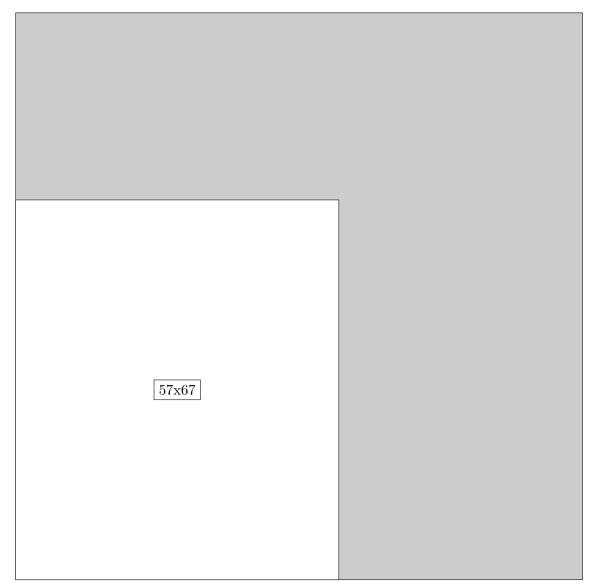
w = 66, h = 63, x = 0, y = 0, v = 4158



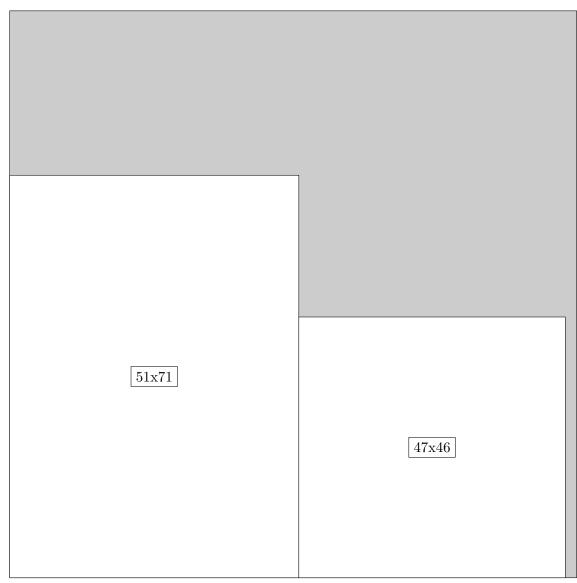
w = 78, h = 52, x = 0, y = 0, v = 4056



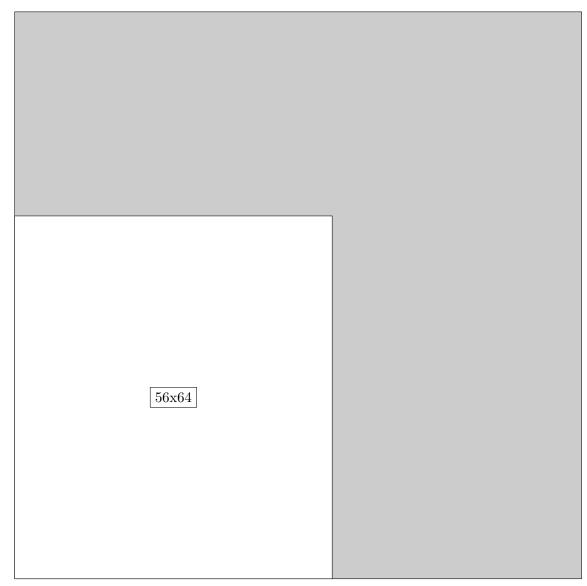
 $\overline{\mathbf{w}} = 60$, $\mathbf{h} = 65$, $\mathbf{x} = 0$, $\mathbf{y} = 0$, $\mathbf{v} = 3900$



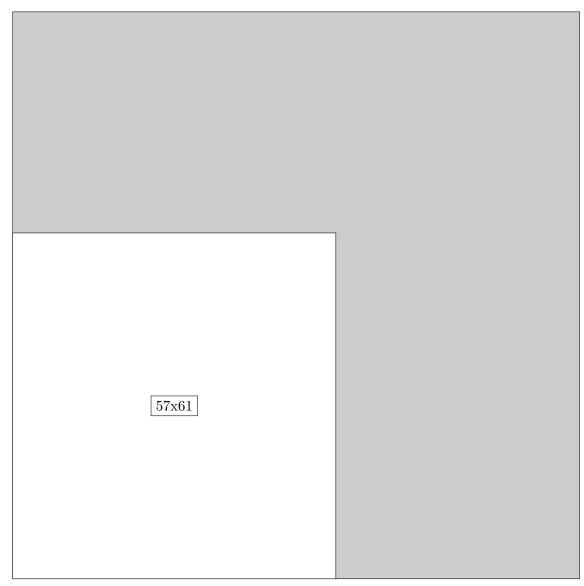
 $\overline{w} = 57$, h = 67, x = 0, y = 0, v = 3819



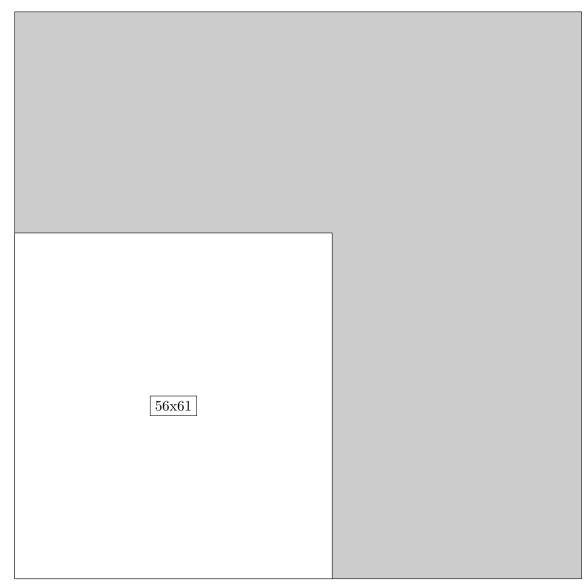
$$\begin{array}{c} w = \!\! 51 \; , \; h = \!\! 71 \; , \; x = \!\! 0 \; , \; y = \!\! 0 \; , \; v = \!\! 3621 \\ w = \!\! 47 \; , \; h = \!\! 46 \; , \; x = \!\! 51 \; , \; y = \!\! 0 \; , \; v = \!\! 2162 \\ \end{array}$$



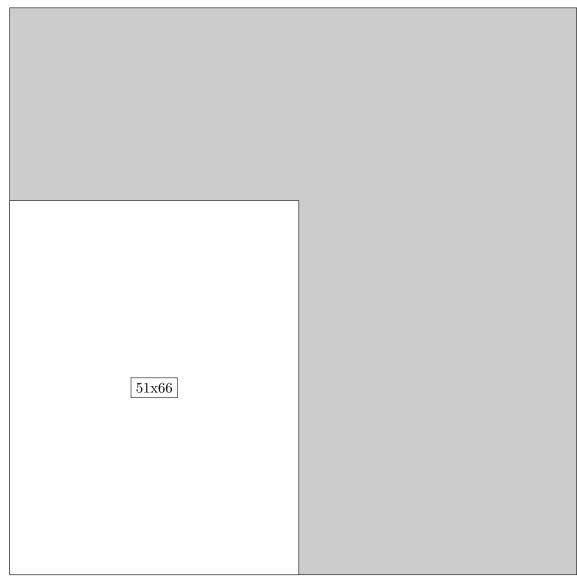
 $\overline{w} = 56$, h = 64, x = 0, y = 0, v = 3584



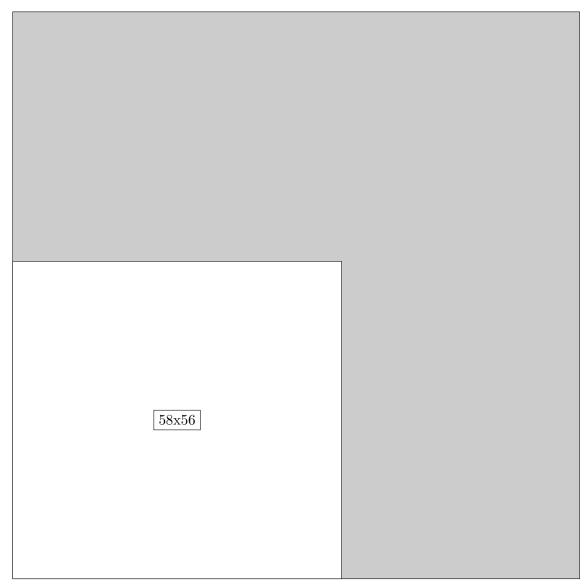
w = 57, h = 61, x = 0, y = 0, v = 3477



w = 56, h = 61, x = 0, y = 0, v = 3416



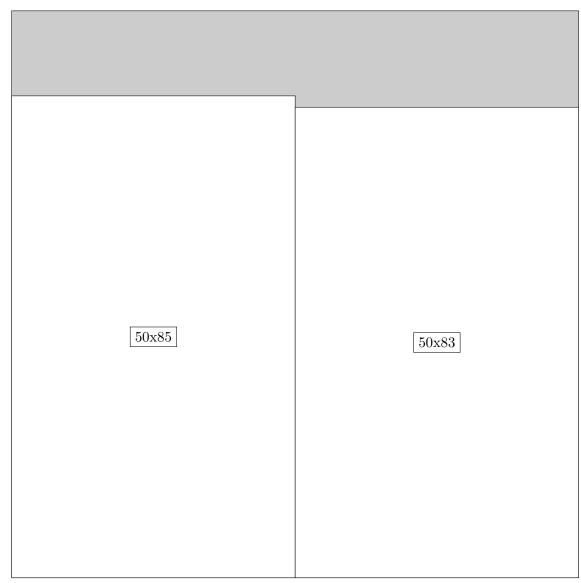
w = 51, h = 66, x = 0, y = 0, v = 3366



w = 58, h = 56, x = 0, y = 0, v = 3248



$$\begin{array}{c} w = 94 \; , \; h = \!\! 50 \; , \; x = \!\! 0 \; , \; y = \!\! 0 \; , \; v = \!\! 4700 \\ w = \!\! 76 \; , \; h = \!\! 50 \; , \; x = \!\! 0 \; , \; y = \!\! 50 \; , \; v = \!\! 3800 \\ \end{array}$$



$$\begin{array}{c} w = \!\! 50 \; , \; h = \!\! 85 \; , \; x = \!\! 0 \; , \; y = \!\! 0 \; , \; v = \!\! 4250 \\ w = \!\! 50 \; , \; h = \!\! 83 \; , \; x = \!\! 50 \; , \; y = \!\! 0 \; , \; v = \!\! 4150 \\ \end{array}$$



$$\begin{array}{l} w = \! 96 \ , \ h = \! 50 \ , \ x = \! 0 \ , \ y = \! 8 \ , \ v = \! 4800 \\ w = \! 79 \ , \ h = \! 28 \ , \ x = \! 0 \ , \ y = \! 58 \ , \ v = \! 2212 \end{array}$$

$$\le =85$$
 , h =8 , x =0 , y =0 , v =680