$ClassName: \ Class_09.2bp-34$

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

TypeNum: <u>80</u> Num: <u>80</u> OutS: <u>620000</u> InS: <u>386531</u> Rate: <u>0.623</u> UB: <u>62</u> LB0: <u>62</u>

LB: $\underline{\mathbf{62}}$ LBWithCut: $\underline{\mathbf{62}}$ NodeCut: $\underline{\mathbf{0}}$

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

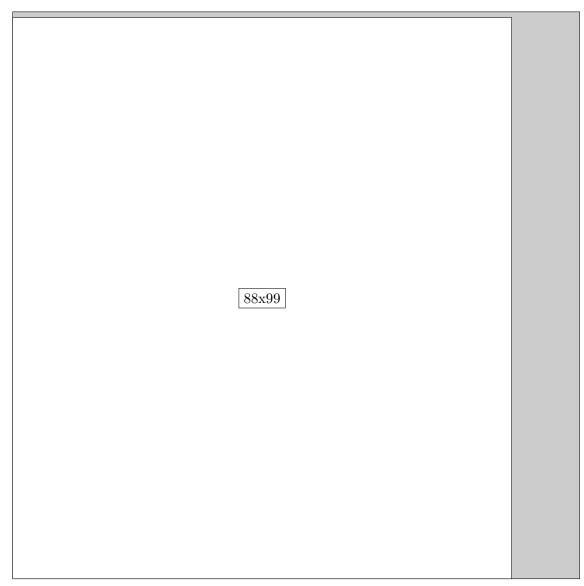
GenNodeCnt: $\underline{\mathbf{1}}$ PrimalNode: $\underline{\mathbf{0}}$ ColumnCount: $\underline{\mathbf{62}}$ TotalCutCount: $\underline{\mathbf{0}}$ RootCutCount: $\underline{\mathbf{0}}$ LPSolverCnt: $\underline{\mathbf{1}}$ PricingSolverCnt: $\underline{\mathbf{0}}$ BranchAndBoundNum: $\underline{\mathbf{1}}$

isOpt: **true**

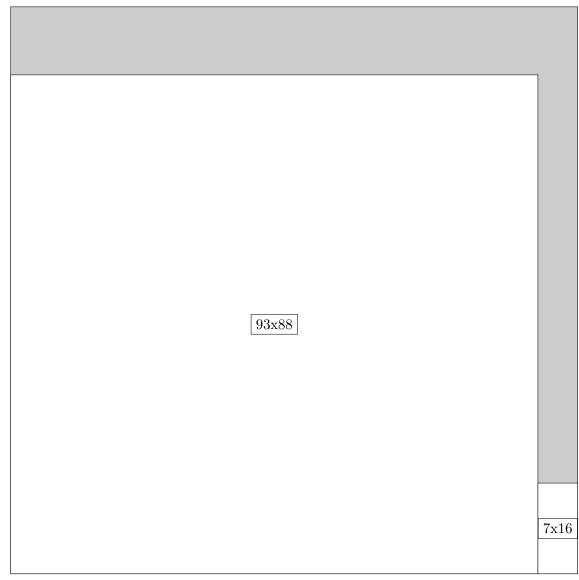
TimeOnInitSolution: 0.180 sTimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.079 sTotalTime: 0.321 s

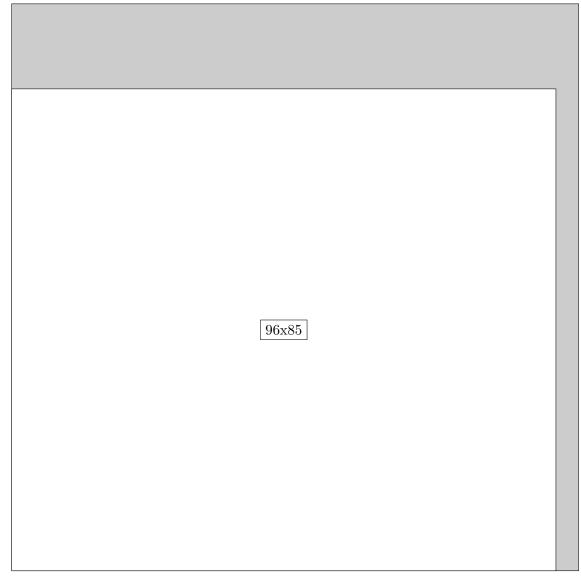


 $\le =100$, h =89 , x =0 , y =0 , v =8900

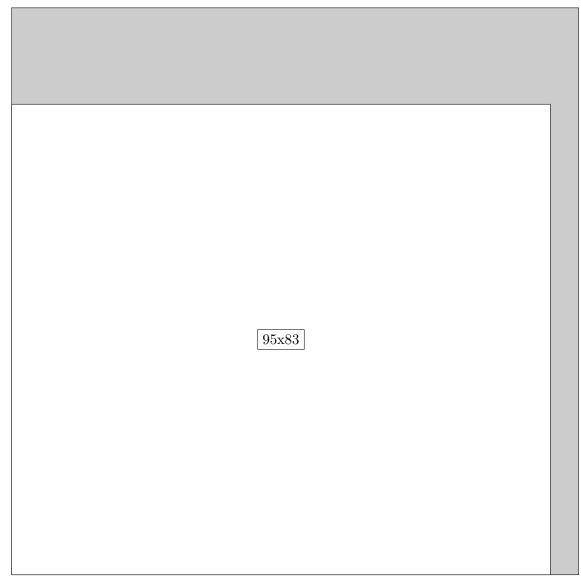


 $\le =88$, h =99 , x =0 , y =0 , v =8712

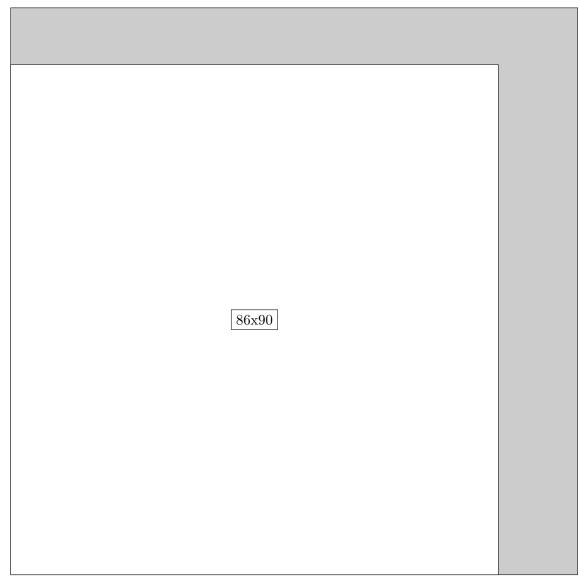




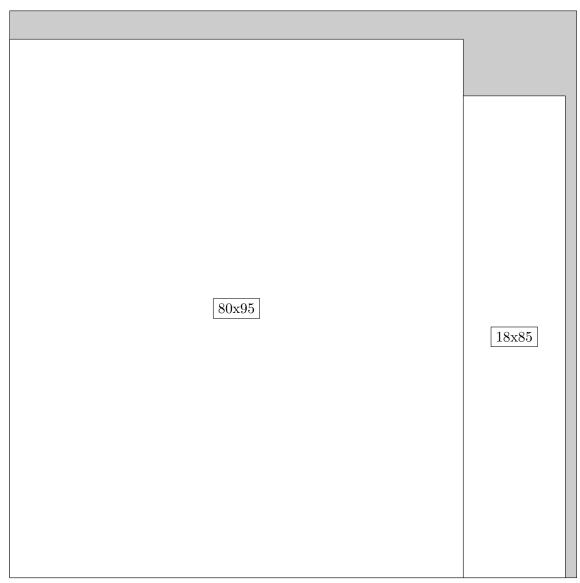
 $\le =96$, h =85 , x =0 , y =0 , v =8160



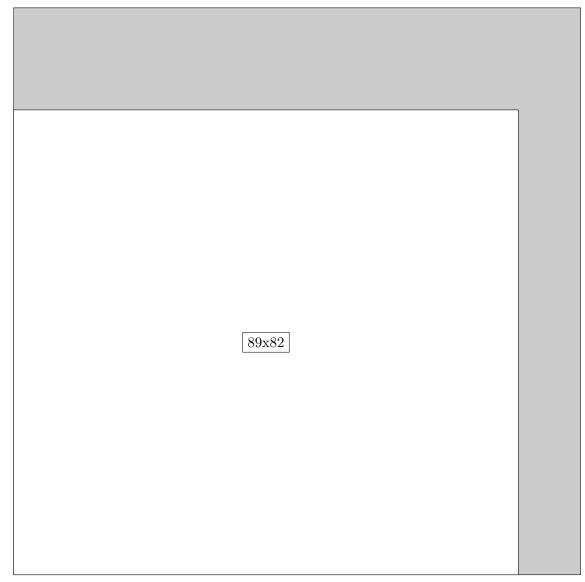
w = 95, h = 83, x = 0, y = 0, v = 7885



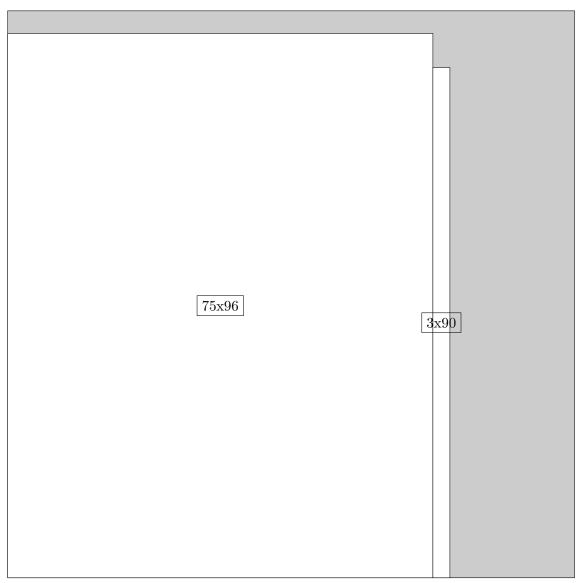
 $\le =86$, h =90 , x =0 , y =0 , v =7740



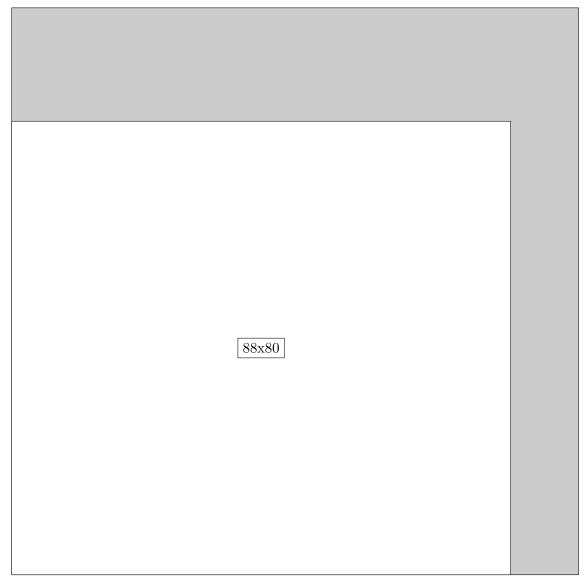
$$\begin{array}{c} w = \! 80 \; , \; h = \! 95 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 7600 \\ w = \! 18 \; , \; h = \! 85 \; , \; x = \! 80 \; , \; y = \! 0 \; , \; v = \! 1530 \\ \end{array}$$



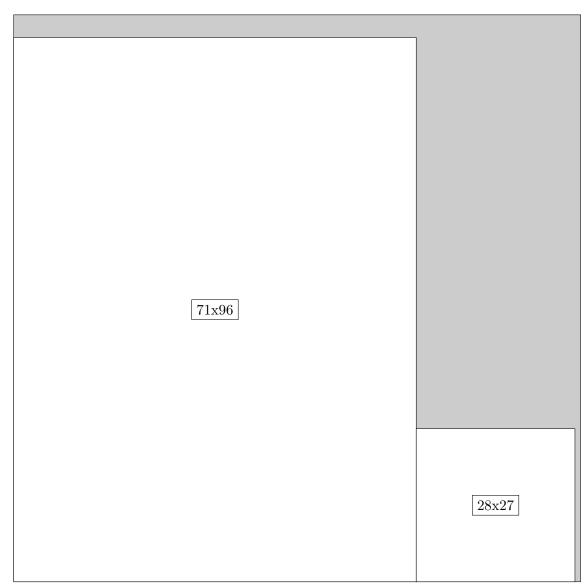
 $\le =89$, h =82 , x =0 , y =0 , v =7298

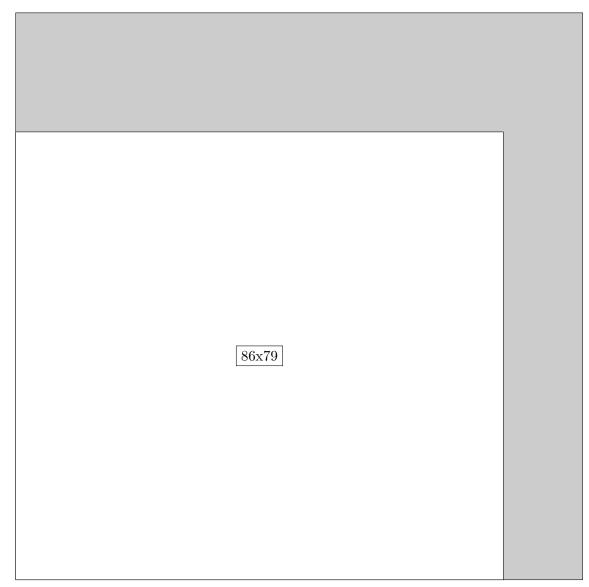


 $\begin{array}{l} w = \! 75 \ , \, h = \! 96 \ , \, x = \! 0 \ , \, y = \! 0 \ , \, v = \! 7200 \\ w = \! 3 \ , \, h = \! 90 \ , \, x = \! 75 \ , \, y = \! 0 \ , \, v = \! 270 \end{array}$

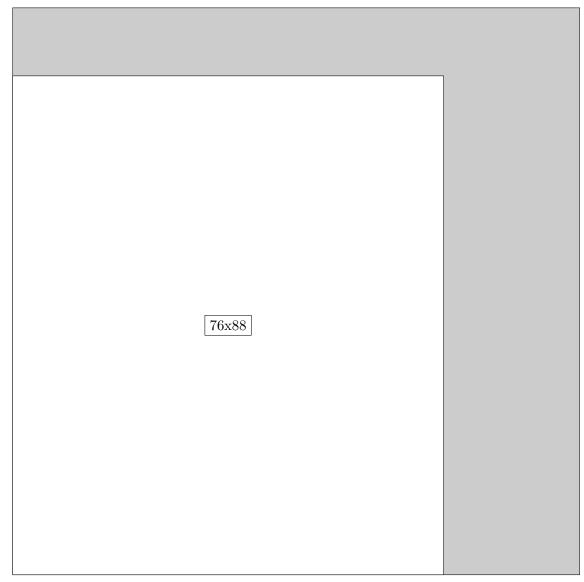


 $\le =88$, h =80 , x =0 , y =0 , v =7040

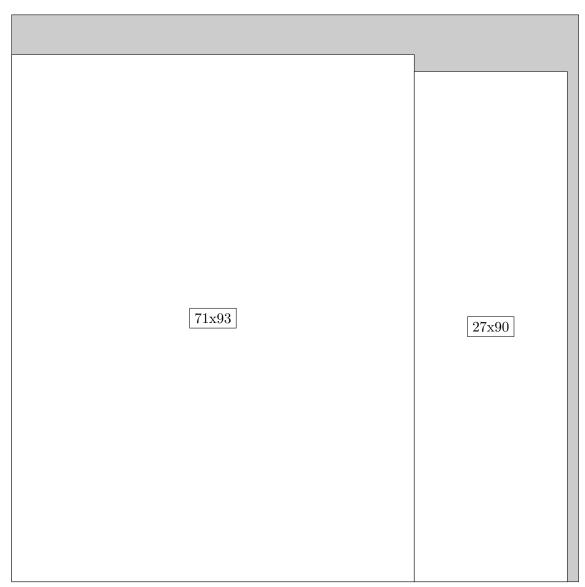


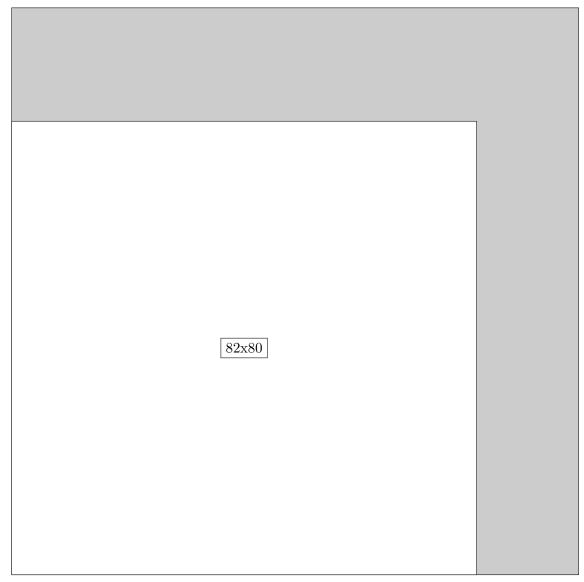


 $\le =86$, h =79 , x =0 , y =0 , v =6794

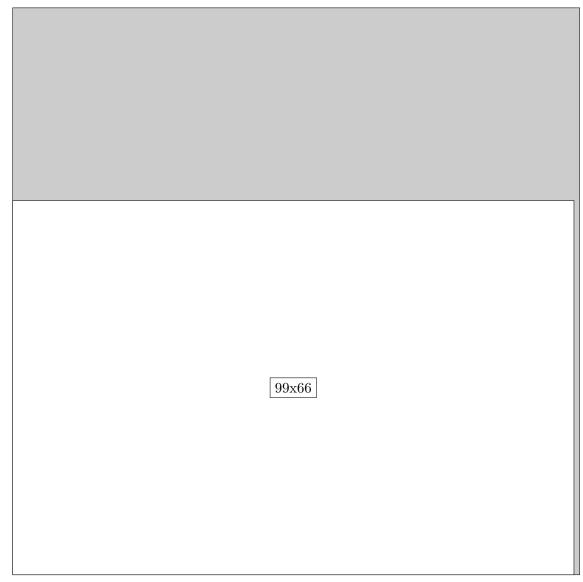


w = 76, h = 88, x = 0, y = 0, v = 6688

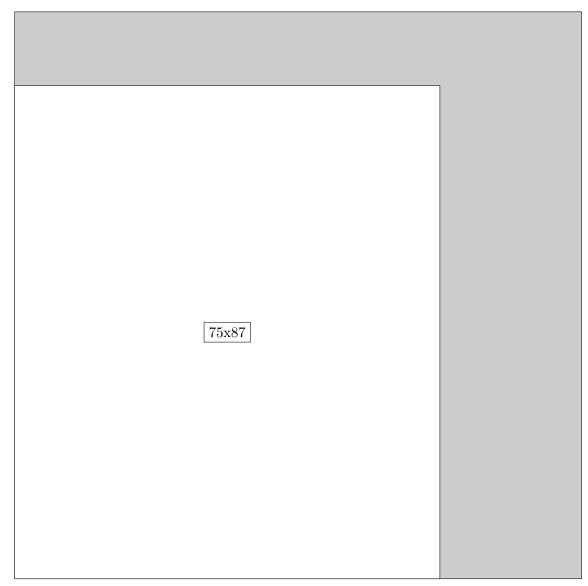




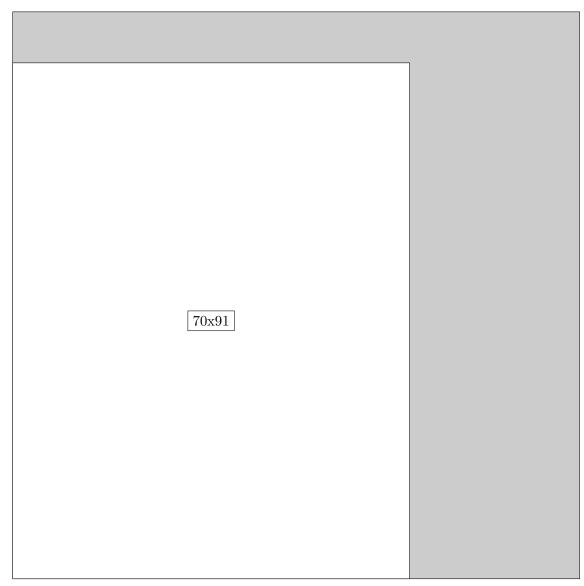
w = 82, h = 80, x = 0, y = 0, v = 6560



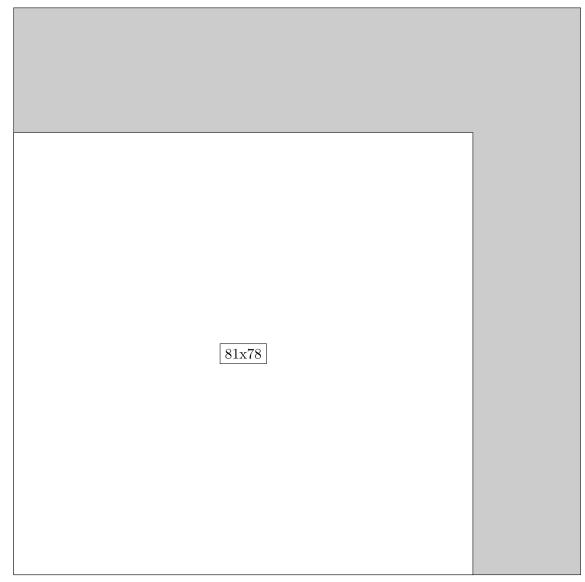
 $\overline{\rm w}$ =99 , h =66 , x =0 , y =0 , v =6534



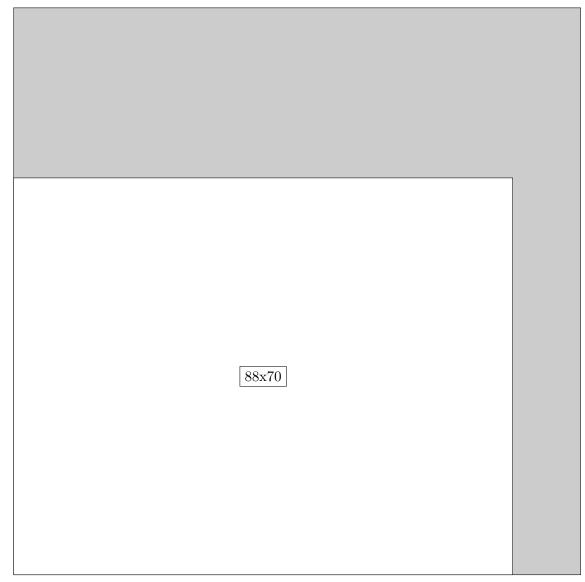
w = 75, h = 87, x = 0, y = 0, v = 6525



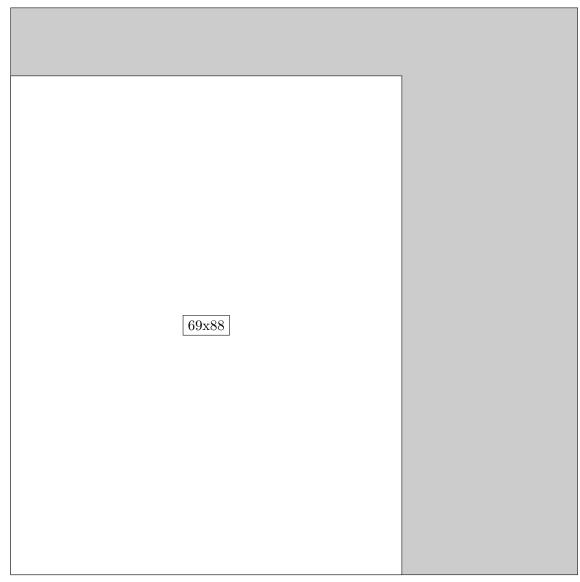
 $\overline{\mathbf{w}} = 70$, $\mathbf{h} = 91$, $\mathbf{x} = 0$, $\mathbf{y} = 0$, $\mathbf{v} = 6370$



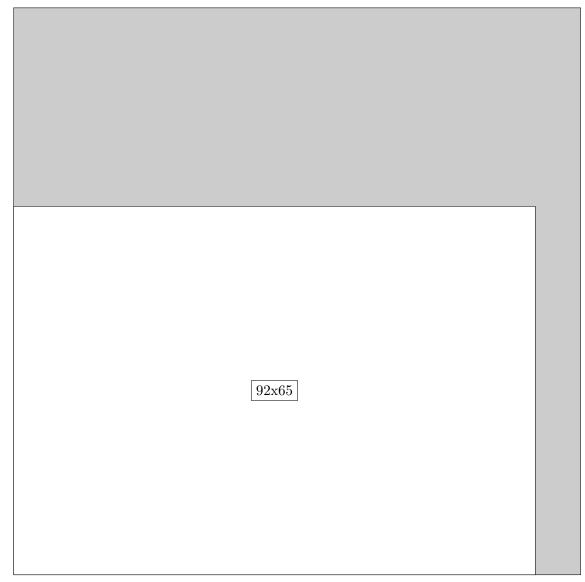
 $\le =81$, h =78 , x =0 , y =0 , v =6318



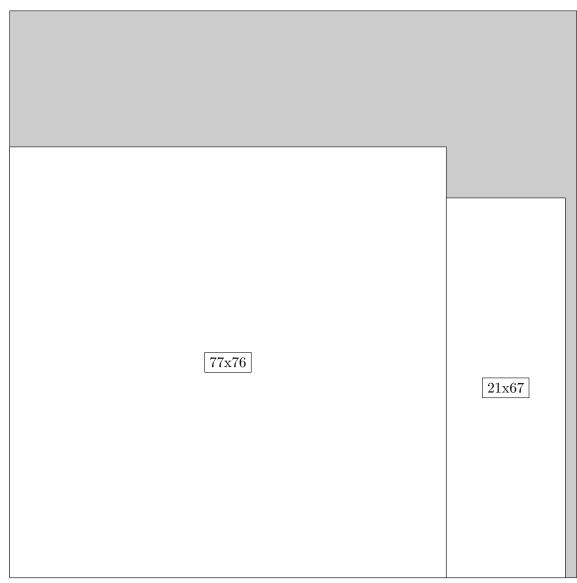
 $\le =88$, h =70 , x =0 , y =0 , v =6160



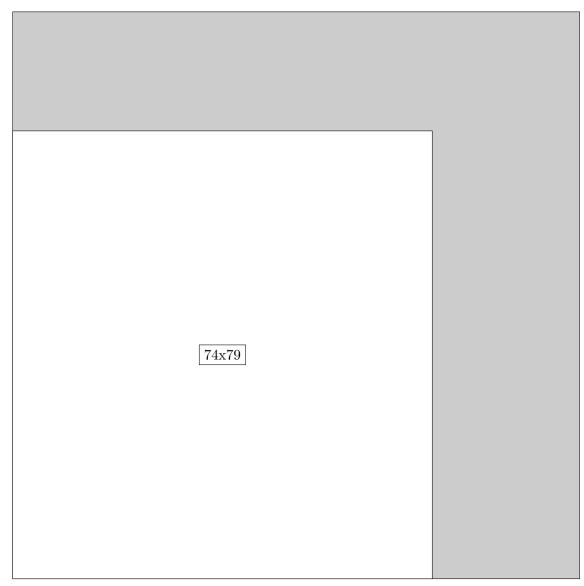
 $\le =69$, h =88 , x =0 , y =0 , v =6072



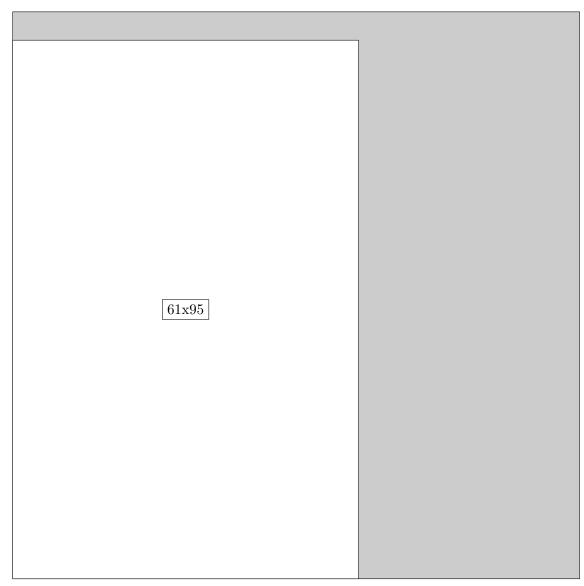
 $\le =92$, h =65 , x =0 , y =0 , v =5980



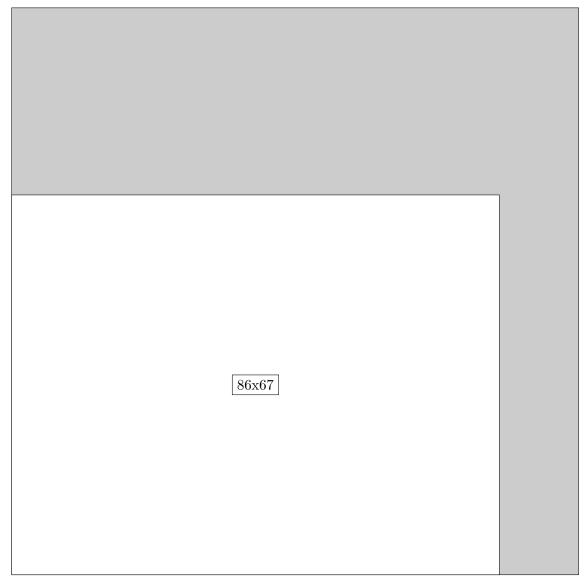
$$\begin{array}{c} w = 77 \; , \; h = 76 \; , \; x = 0 \; , \; y = 0 \; , \; v = 5852 \\ w = 21 \; , \; h = 67 \; , \; x = 77 \; , \; y = 0 \; , \; v = 1407 \\ \end{array}$$



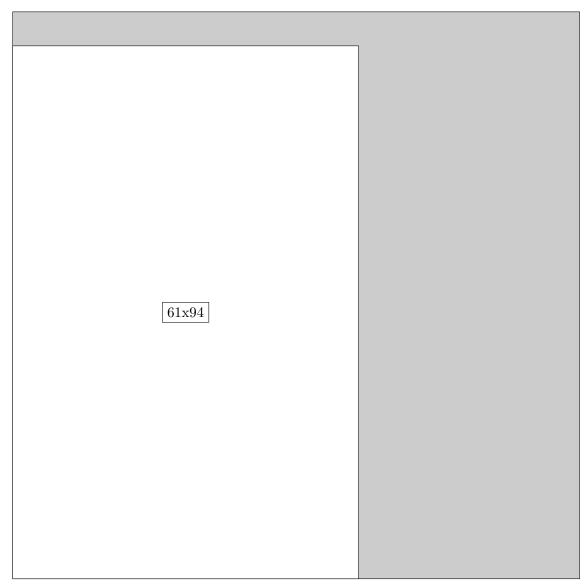
w = 74, h = 79, x = 0, y = 0, v = 5846



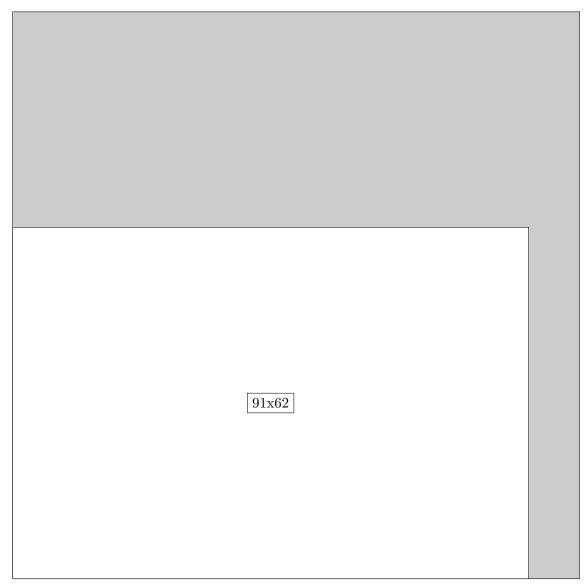
w = 61, h = 95, x = 0, y = 0, v = 5795



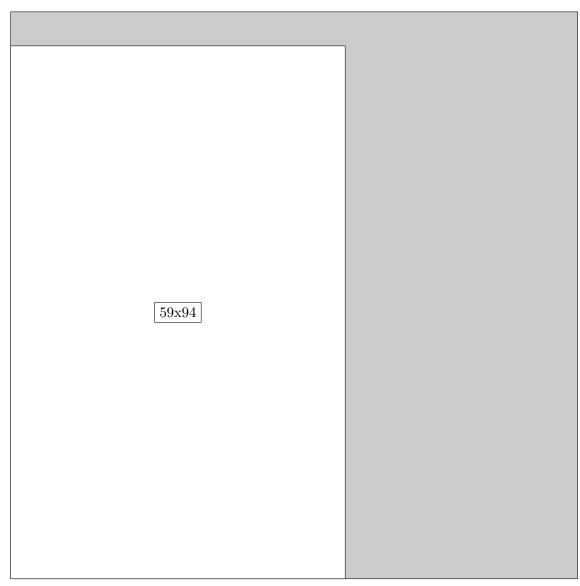
 $\le =86$, h =67 , x =0 , y =0 , v =5762



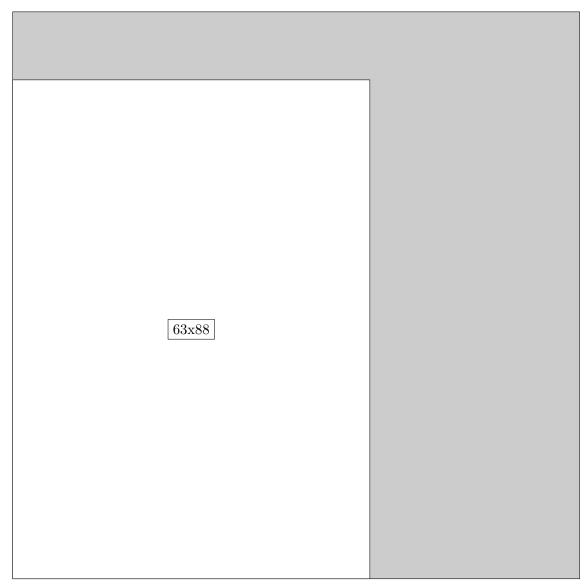
w = 61, h = 94, x = 0, y = 0, v = 5734



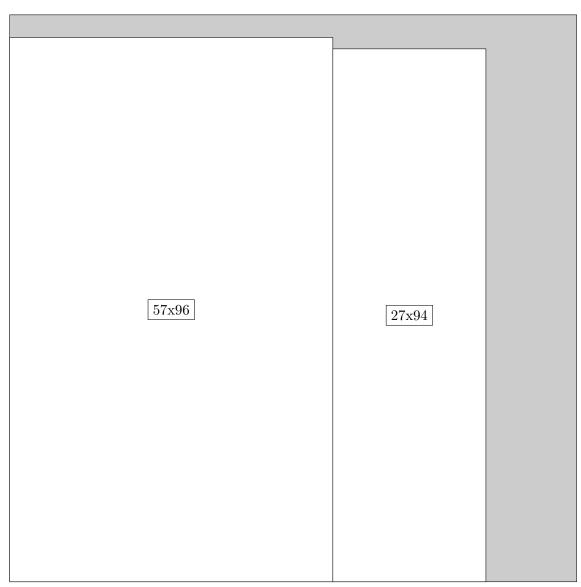
w = 91, h = 62, x = 0, y = 0, v = 5642

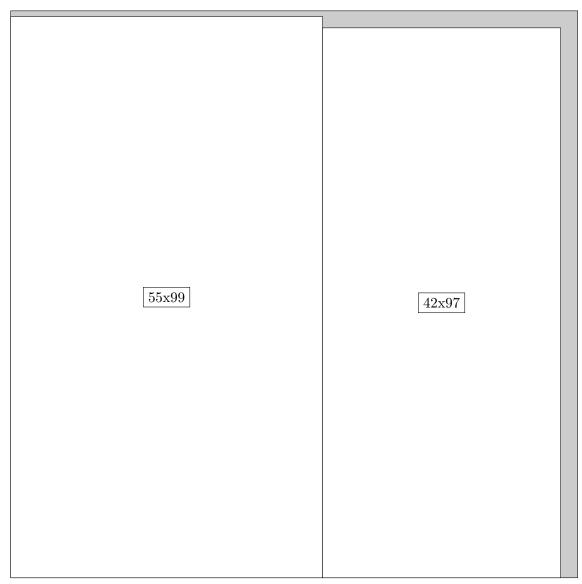


w = 59, h = 94, x = 0, y = 0, v = 5546

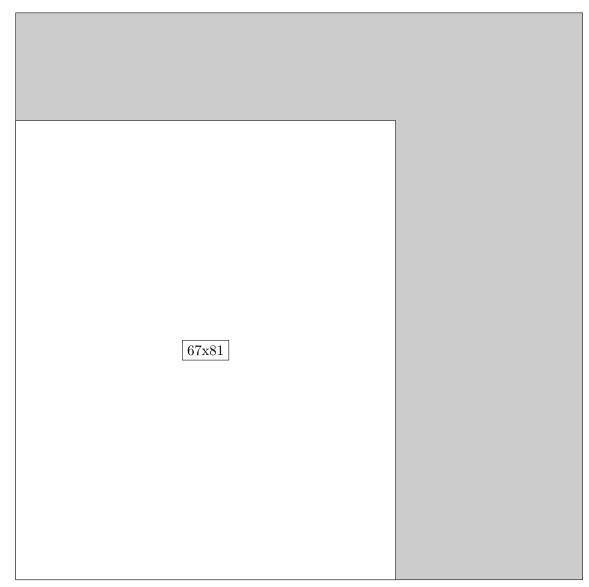


 $\le =63$, h =88 , x =0 , y =0 , v =5544

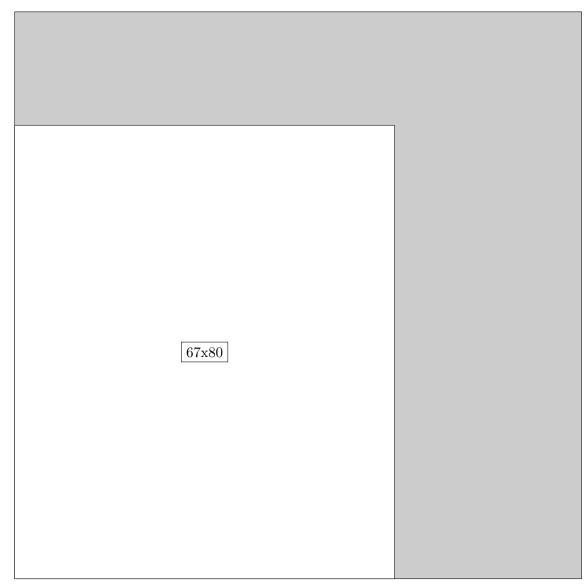




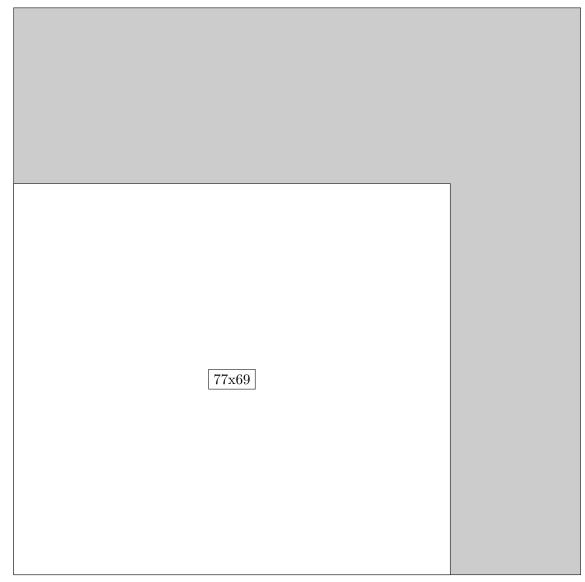
$$\begin{array}{c} w = \!\! 55 \ , \ h = \!\! 99 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 5445 \\ w = \!\! 42 \ , \ h = \!\! 97 \ , \ x = \!\! 55 \ , \ y = \!\! 0 \ , \ v = \!\! 4074 \\ \end{array}$$



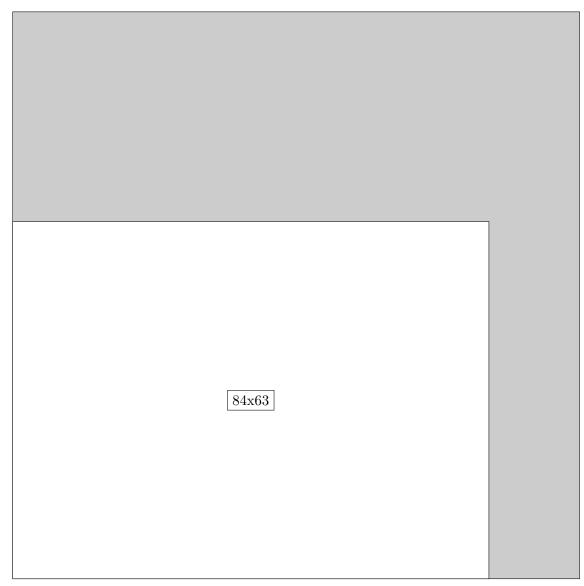
 $\le =67$, h =81 , x =0 , y =0 , v = 5427



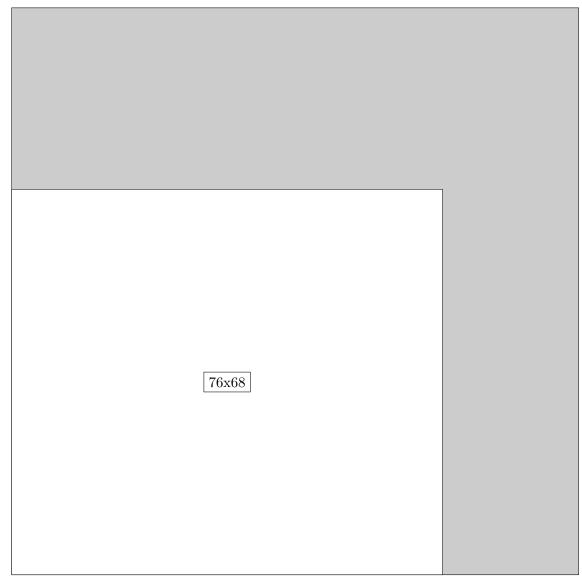
w = 67, h = 80, x = 0, y = 0, v = 5360



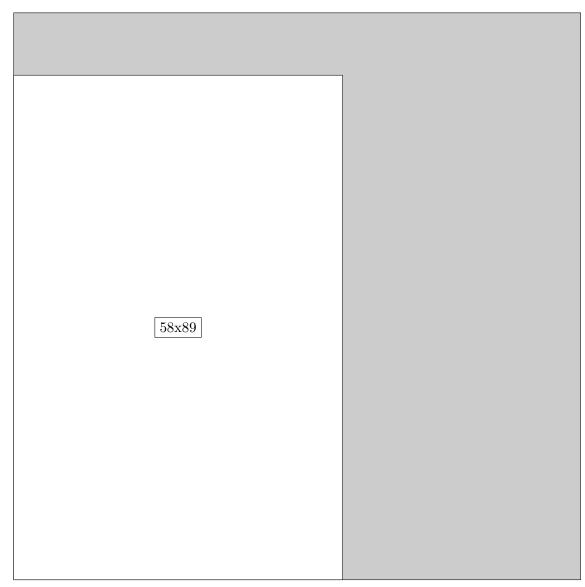
w = 77, h = 69, x = 0, y = 0, v = 5313



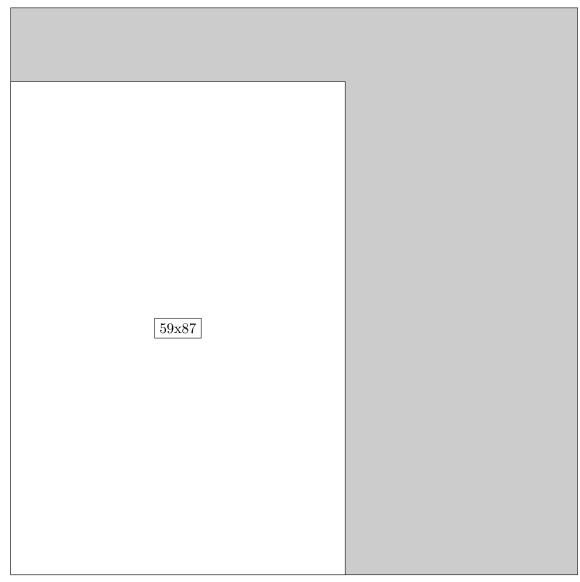
w = 84, h = 63, x = 0, y = 0, v = 5292



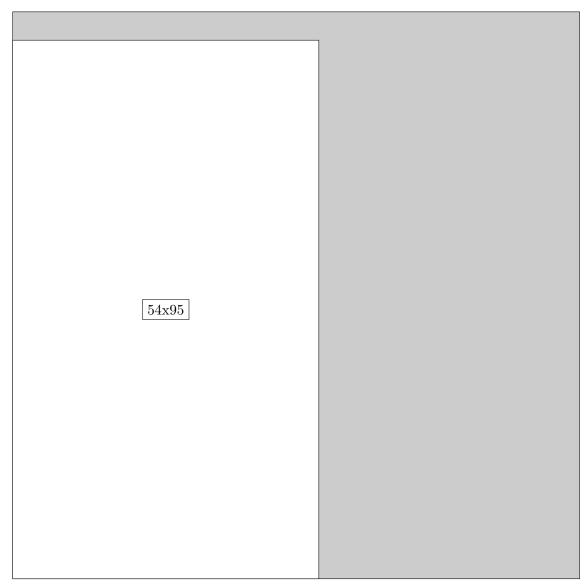
 $\overline{\mathbf{w}} = 76$, $\mathbf{h} = 68$, $\mathbf{x} = 0$, $\mathbf{y} = 0$, $\mathbf{v} = 5168$



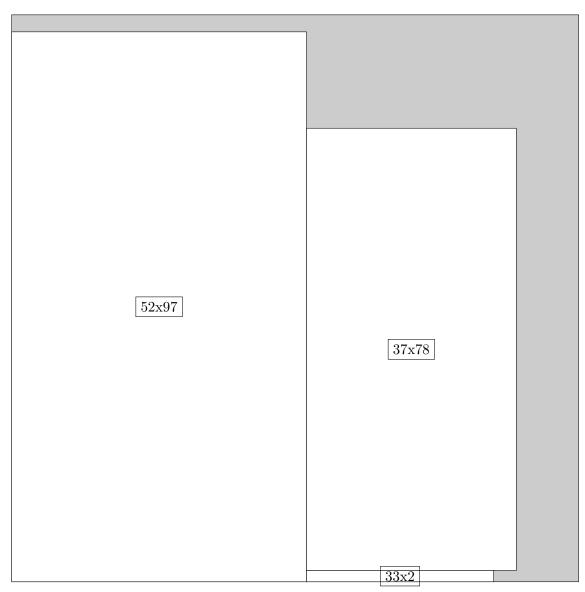
 ≤ -58 , h = 89 , x = 0 , y = 0 , v = 5162



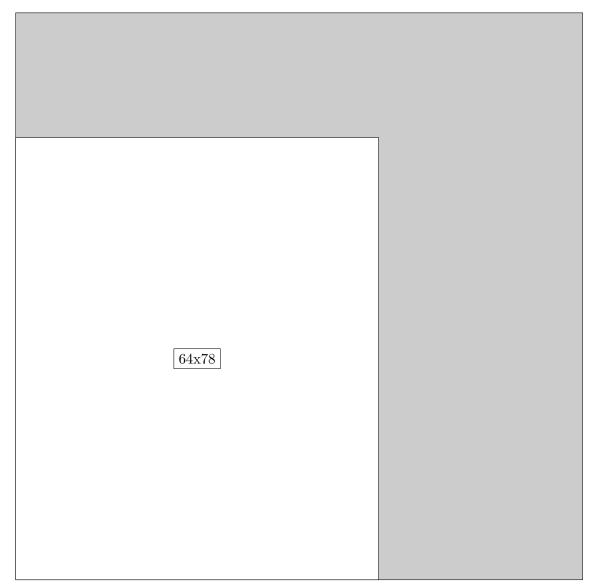
 $\le =59$, h =87 , x =0 , y =0 , v =5133



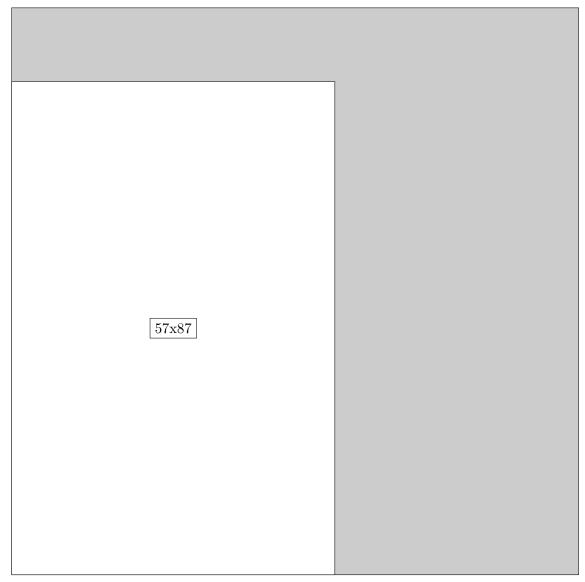
 $\overline{w} = 54$, h = 95, x = 0, y = 0, v = 5130



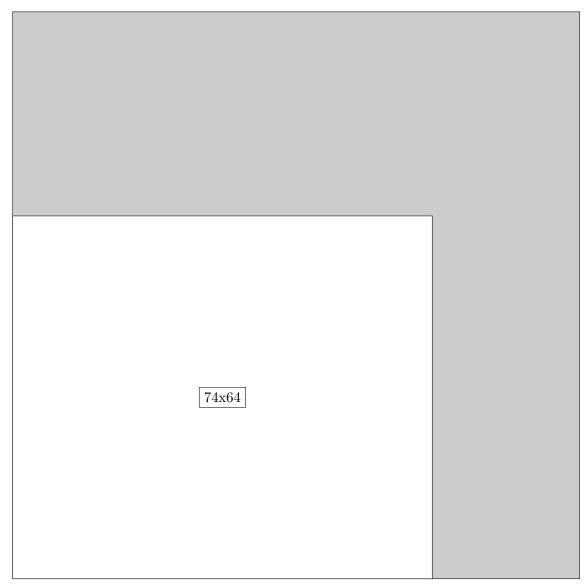
$$\begin{array}{l} w = \!\!52 \ , \ h = \!\!97 \ , \ x = \!\!0 \ , \ y = \!\!0 \ , \ v = \!\!5044 \\ w = \!\!37 \ , \ h = \!\!78 \ , \ x = \!\!52 \ , \ y = \!\!2 \ , \ v = \!\!2886 \\ w = \!\!33 \ , \ h = \!\!2 \ , \ x = \!\!52 \ , \ y = \!\!0 \ , \ v = \!\!66 \end{array}$$



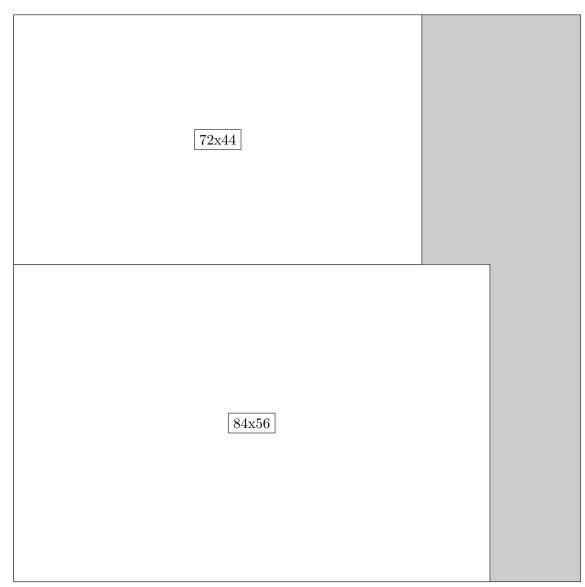
w = 64, h = 78, x = 0, y = 0, v = 4992

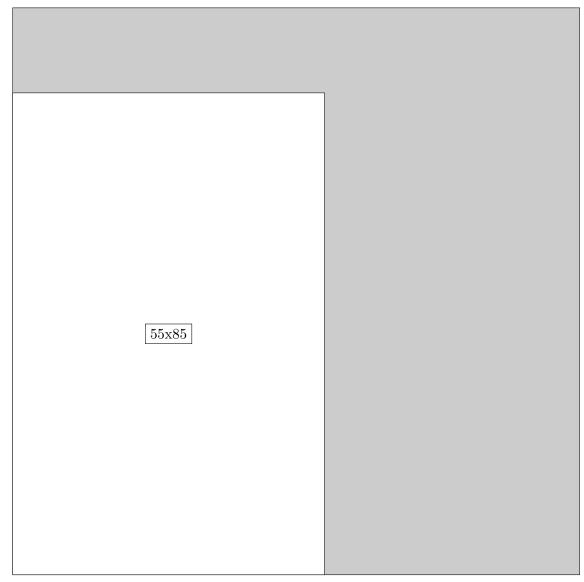


w = 57, h = 87, x = 0, y = 0, v = 4959

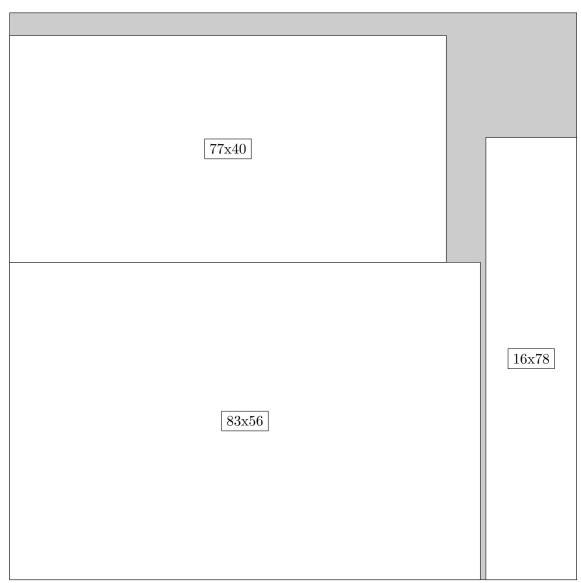


w = 74, h = 64, x = 0, y = 0, v = 4736





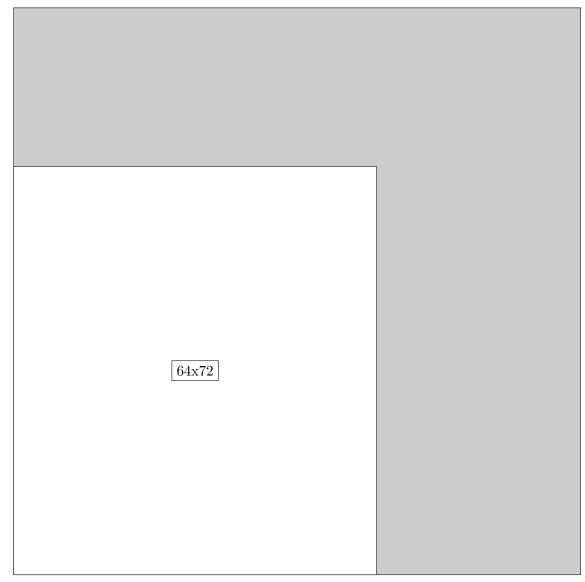
w = 55, h = 85, x = 0, y = 0, v = 4675



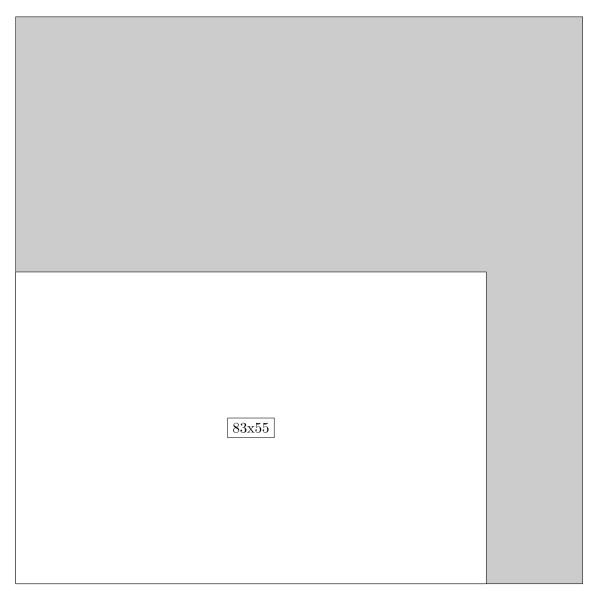
$$\le =83$$
 , h =
56 , x =0 , y =
0 , v =
4648

$$\le =77$$
 , h =40 , x =0 , y =56 , v =3080

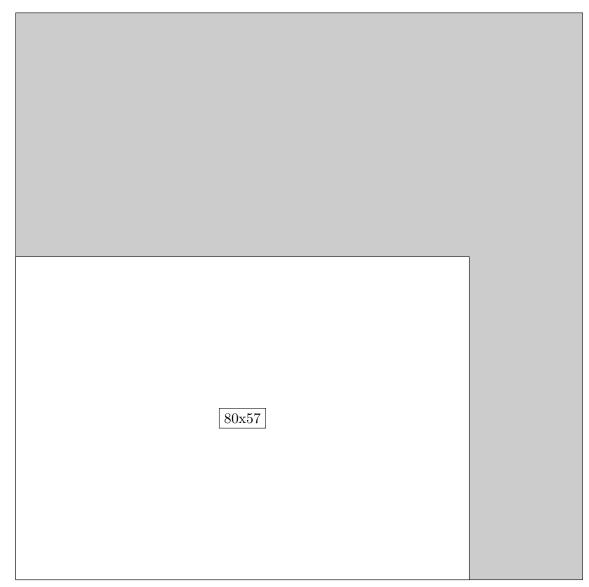
$$\mathbf{w}$$
 =16 , h =78 , x =84 , y =0 , v =1248



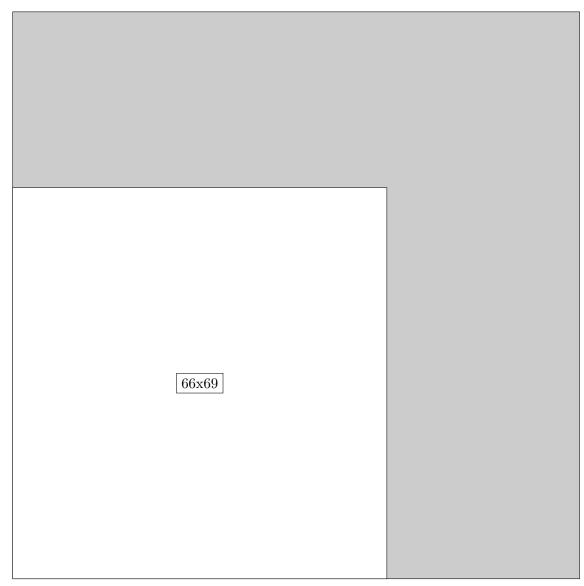
w = 64, h = 72, x = 0, y = 0, v = 4608



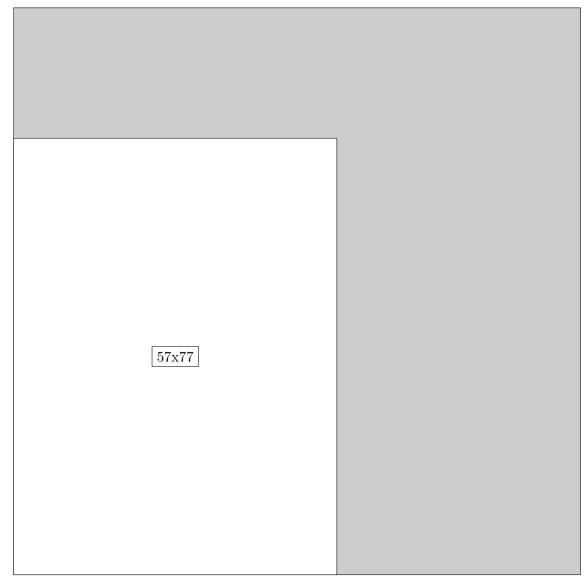
 $\le =83$, h =55 , x =0 , y =0 , v =4565



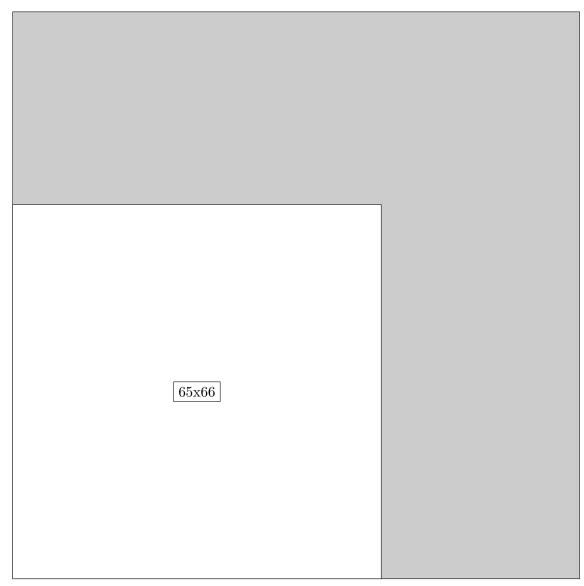
 $\le =80$, h =57 , x =0 , y =0 , v =4560



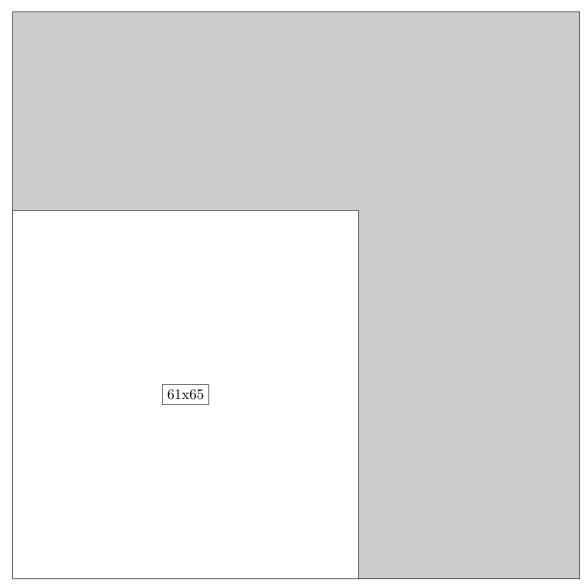
w = 66, h = 69, x = 0, y = 0, v = 4554



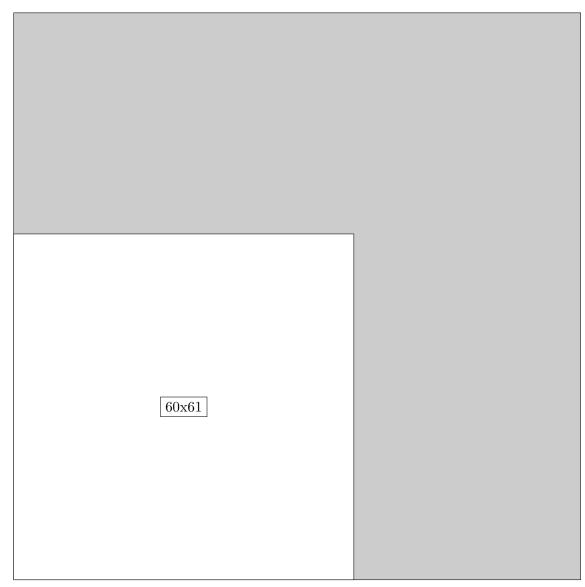
w = 57, h = 77, x = 0, y = 0, v = 4389



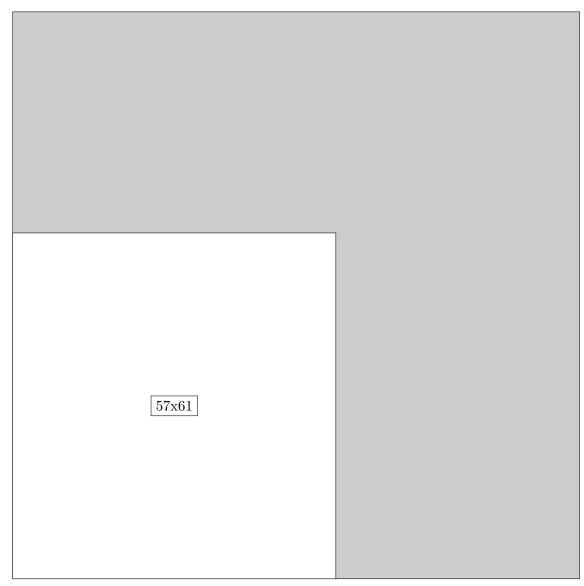
w = 65, h = 66, x = 0, y = 0, v = 4290



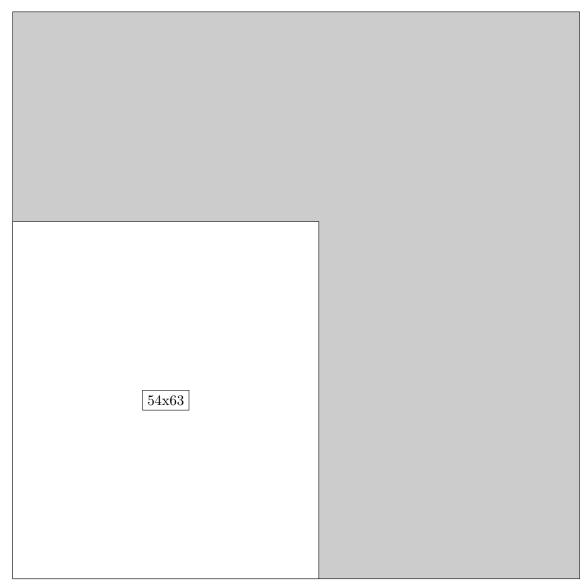
w = 61, h = 65, x = 0, y = 0, v = 3965



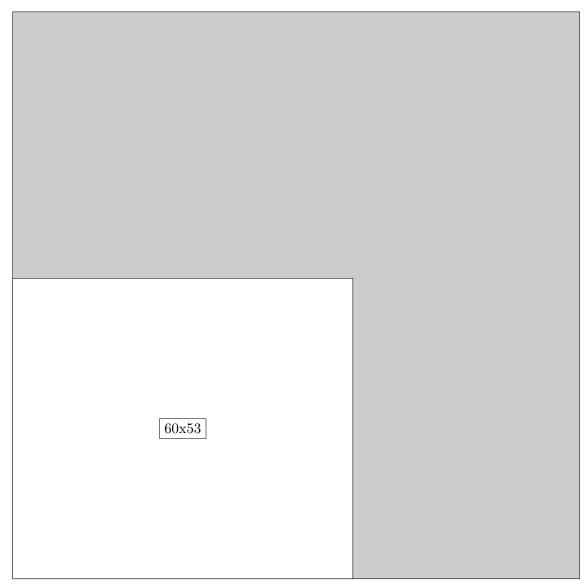
 $\overline{\mathbf{w}} = 60$, $\mathbf{h} = 61$, $\mathbf{x} = 0$, $\mathbf{y} = 0$, $\mathbf{v} = 3660$



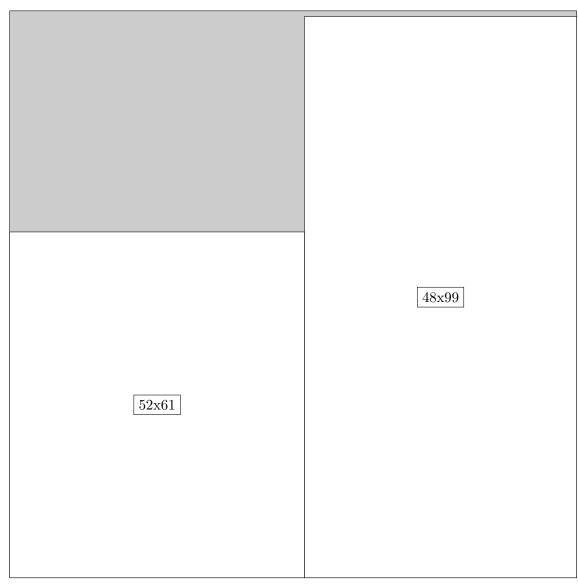
w = 57, h = 61, x = 0, y = 0, v = 3477



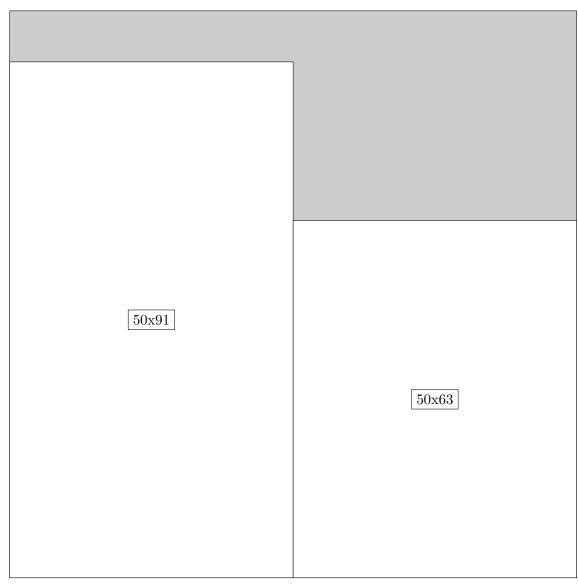
w = 54, h = 63, x = 0, y = 0, v = 3402



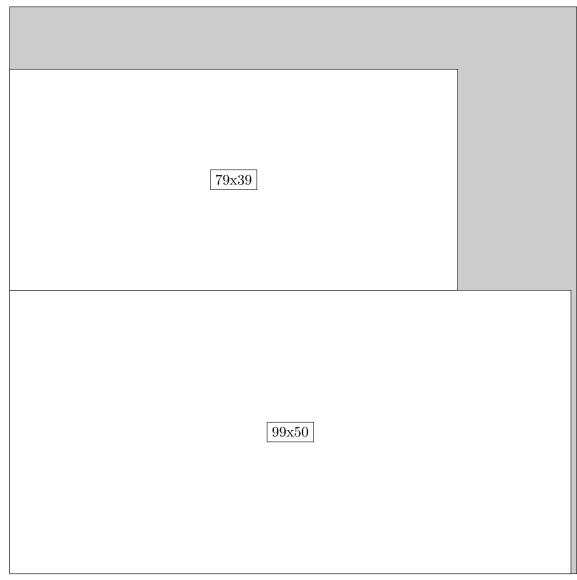
w = 60, h = 53, x = 0, y = 0, v = 3180

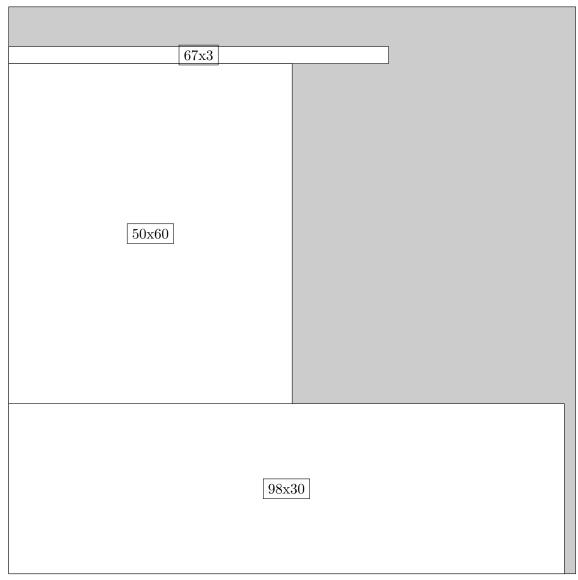


$$\begin{array}{l} w = \! 48 \ , \ h = \! 99 \ , \ x = \! 52 \ , \ y = \! 0 \ , \ v = \! 4752 \\ w = \! 52 \ , \ h = \! 61 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 3172 \end{array}$$



$$\begin{array}{c} w = \!\! 50 \ , \ h = \!\! 91 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 4550 \\ w = \!\! 50 \ , \ h = \!\! 63 \ , \ x = \!\! 50 \ , \ y = \!\! 0 \ , \ v = \!\! 3150 \end{array}$$





$$\begin{array}{l} w = \! 98 \ , \ h = \! 30 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 2940 \\ w = \! 50 \ , \ h = \! 60 \ , \ x = \! 0 \ , \ y = \! 30 \ , \ v = \! 3000 \\ w = \! 67 \ , \ h = \! 3 \ , \ x = \! 0 \ , \ y = \! 90 \ , \ v = \! 201 \end{array}$$