$ClassName: \ Class_09.2bp-42$

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

TypeNum: <u>100</u> Num: <u>100</u> OutS: <u>680000</u> InS: <u>418493</u> Rate: <u>0.615</u> UB: <u>68</u> LB0: <u>68</u>

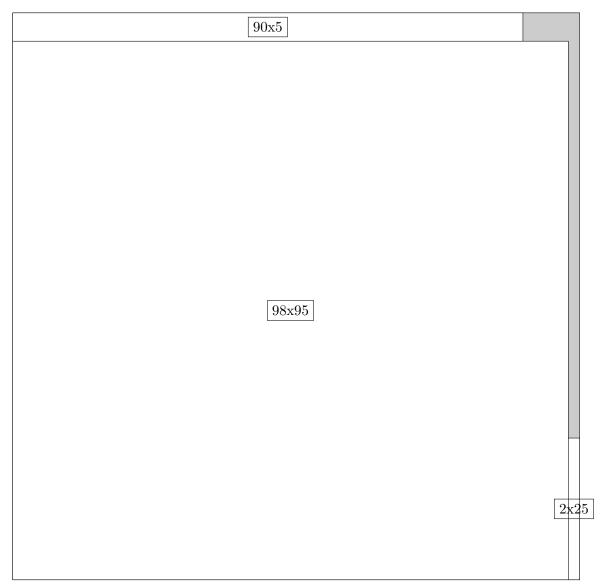
LB: $\underline{68}$ LBWithCut: $\underline{68}$ NodeCut: $\underline{0}$

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

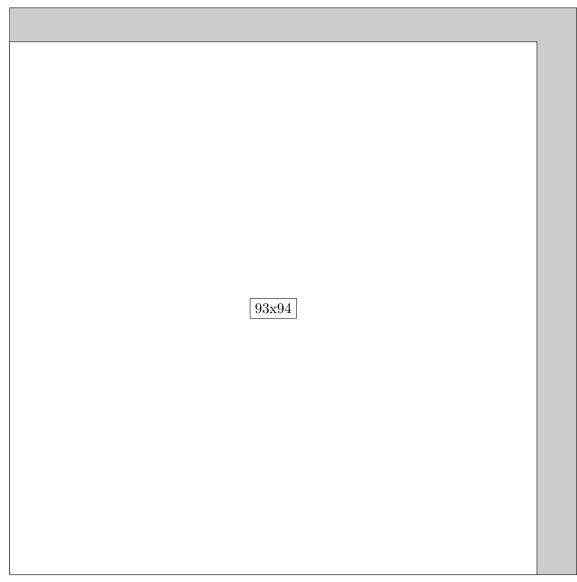
GenNodeCnt: $\underline{\mathbf{1}}$ PrimalNode: $\underline{\mathbf{0}}$ ColumnCount: $\underline{\mathbf{68}}$ TotalCutCount: $\underline{\mathbf{0}}$ RootCutCount: $\underline{\mathbf{0}}$ LPSolverCnt: $\underline{\mathbf{1}}$ PricingSolverCnt: $\underline{\mathbf{0}}$ BranchAndBoundNum: $\underline{\mathbf{1}}$

isOpt: **true**

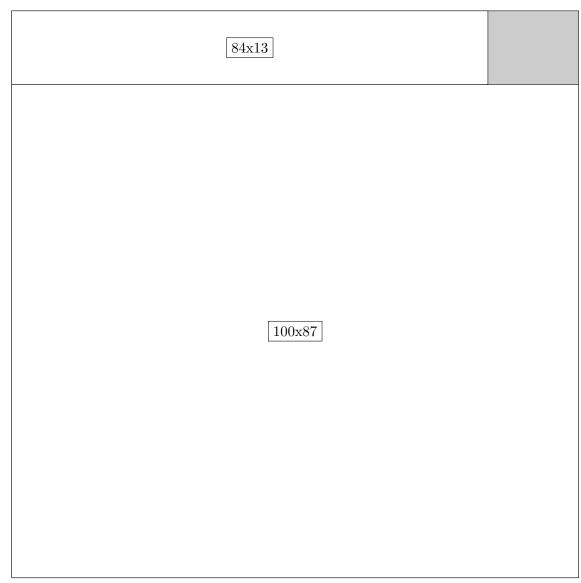
 $\begin{array}{ll} {\rm TimeOnInitSolution:} \ \underline{0.480 \ s} \\ {\rm TimeOnPrimal:} \ \underline{0.000 \ s} \\ {\rm TimeOnPricing:} \ \underline{0.000 \ s} \\ {\rm TimeOnRmp:} \ \underline{0.062 \ s} \\ {\rm TotalTime:} \ \underline{0.621 \ s} \\ \end{array}$



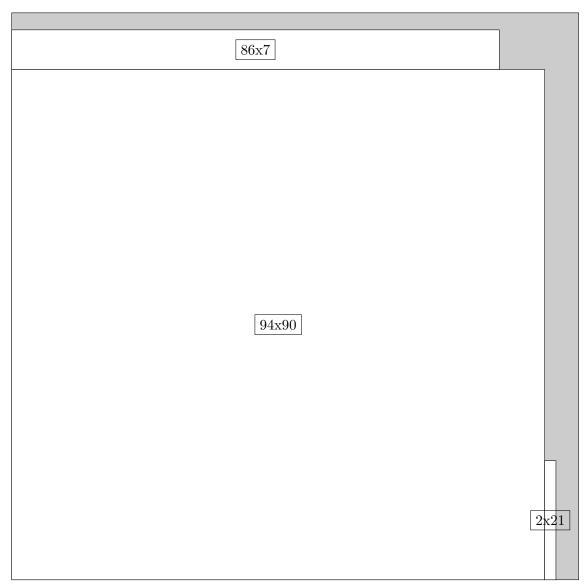
$$\begin{array}{l} w = 98 \; , \; h = 95 \; , \; x = 0 \; , \; y = 0 \; , \; v = 9310 \\ w = 90 \; , \; h = 5 \; , \; x = 0 \; , \; y = 95 \; , \; v = 450 \\ w = 2 \; , \; h = 25 \; , \; x = 98 \; , \; y = 0 \; , \; v = 50 \end{array}$$



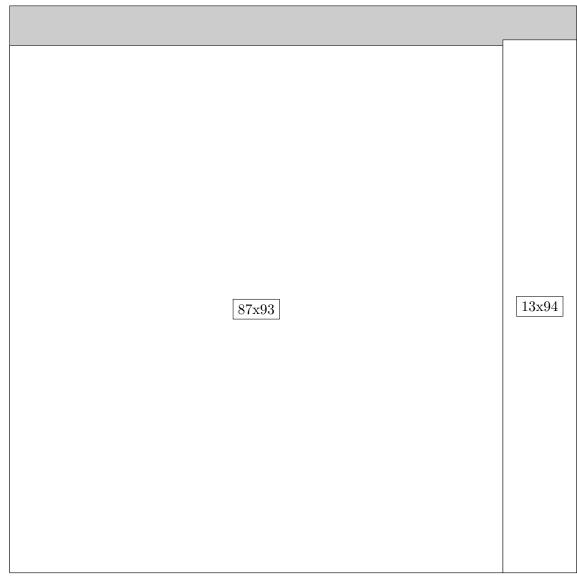
w = 93, h = 94, x = 0, y = 0, v = 8742

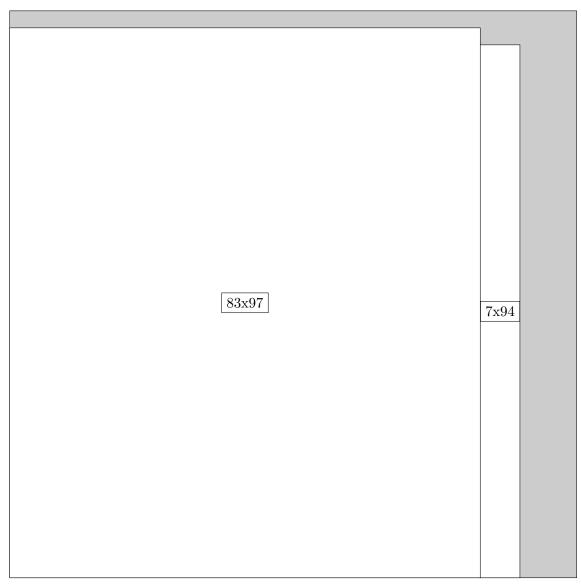


$$\begin{array}{l} w = \! 100 \ , \ h = \! 87 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 8700 \\ w = \! 84 \ , \ h = \! 13 \ , \ x = \! 0 \ , \ y = \! 87 \ , \ v = \! 1092 \end{array}$$

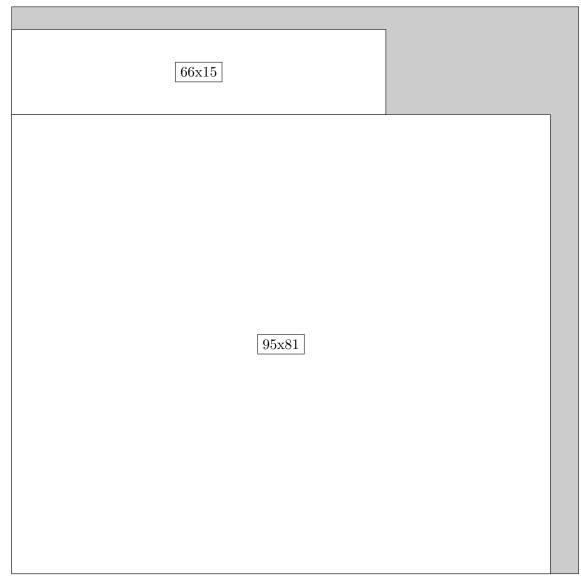


$$\begin{array}{l} w = \! 94 \; , \; h = \! 90 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 8460 \\ w = \! 86 \; , \; h = \! 7 \; , \; x = \! 0 \; , \; y = \! 90 \; , \; v = \! 602 \\ w = \! 2 \; , \; h = \! 21 \; , \; x = \! 94 \; , \; y = \! 0 \; , \; v = \! 42 \end{array}$$

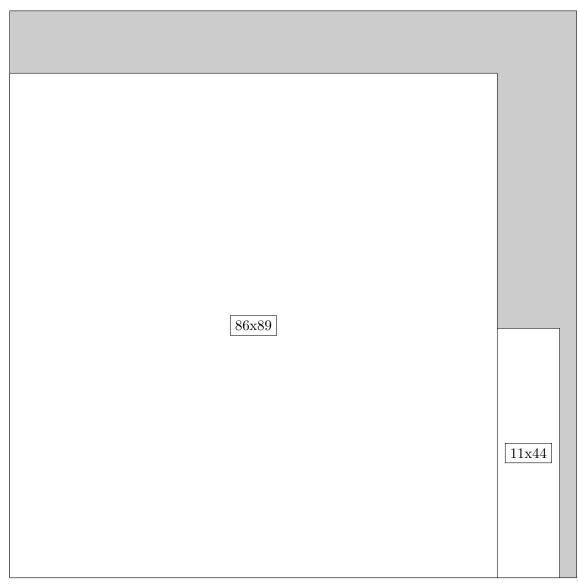


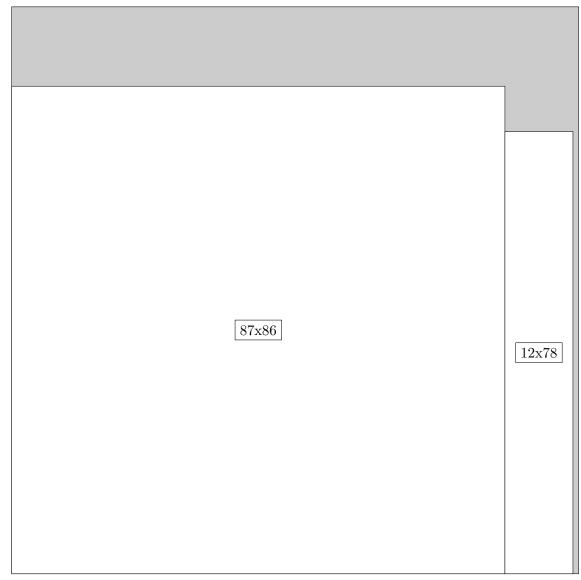


w =83, h =97, x =0, y =0, v =8051 w =7, h =94, x =83, y =0, v =658

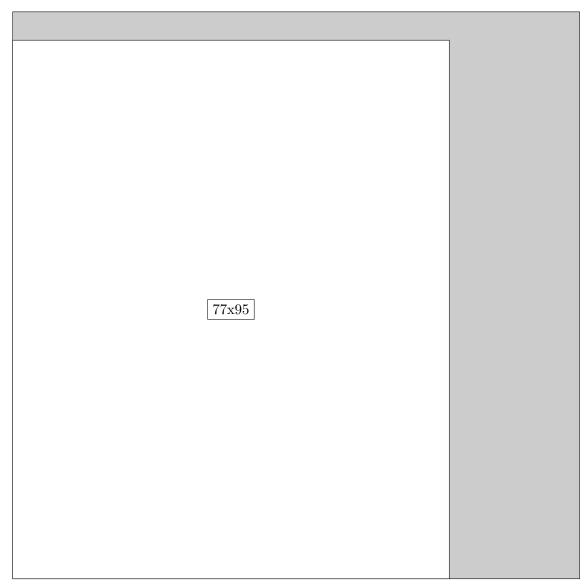


$$\begin{array}{c} w = 95 \; , \; h = \!\! 81 \; , \; x = \!\! 0 \; , \; y = \!\! 0 \; , \; v = \!\! 7695 \\ w = \!\! 66 \; , \; h = \!\! 15 \; , \; x = \!\! 0 \; , \; y = \!\! 81 \; , \; v = \!\! 990 \end{array}$$

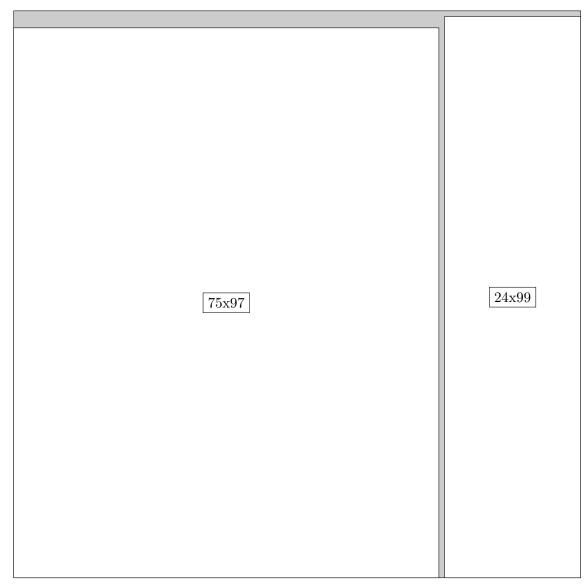


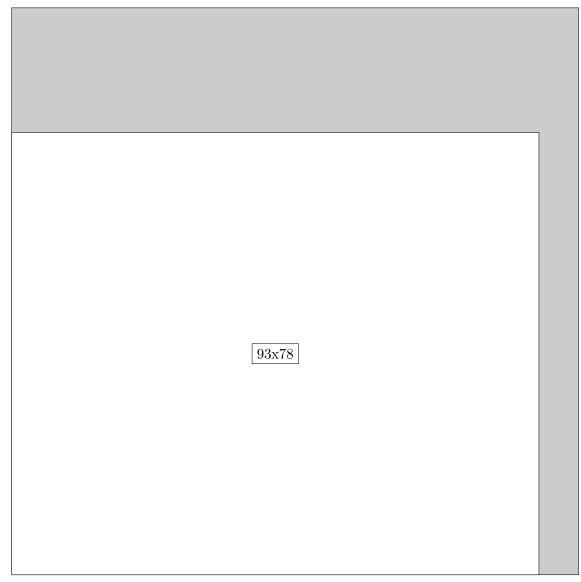


$$\begin{array}{c} w = \! 87 \; , \; h = \! 86 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 7482 \\ w = \! 12 \; , \; h = \! 78 \; , \; x = \! 87 \; , \; y = \! 0 \; , \; v = \! 936 \\ \end{array}$$

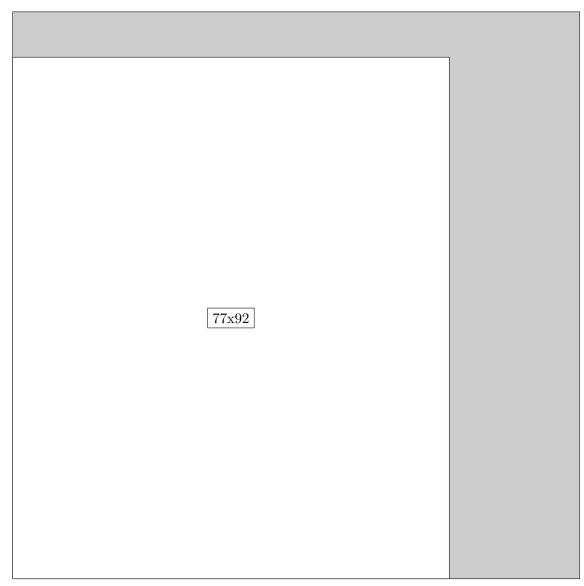


 $\overline{\mathrm{w}}$ =77 , h =95 , x =0 , y =0 , v =7315

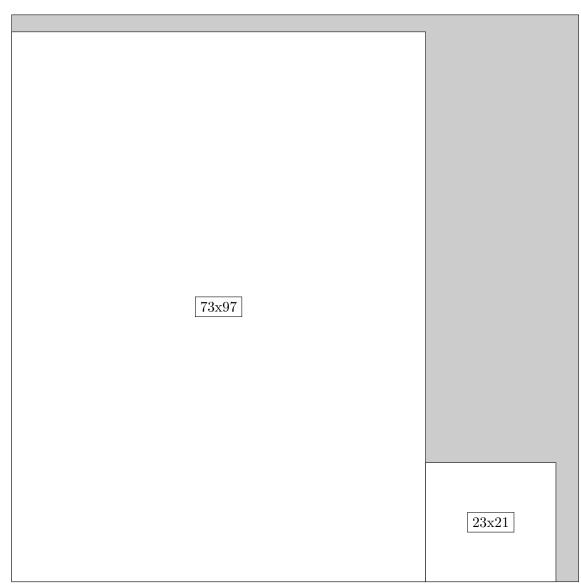


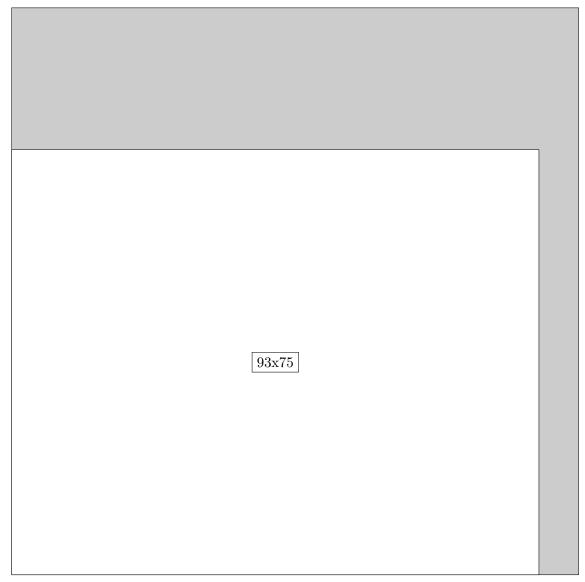


 $\le =93$, h =78 , x =0 , y =0 , v =7254

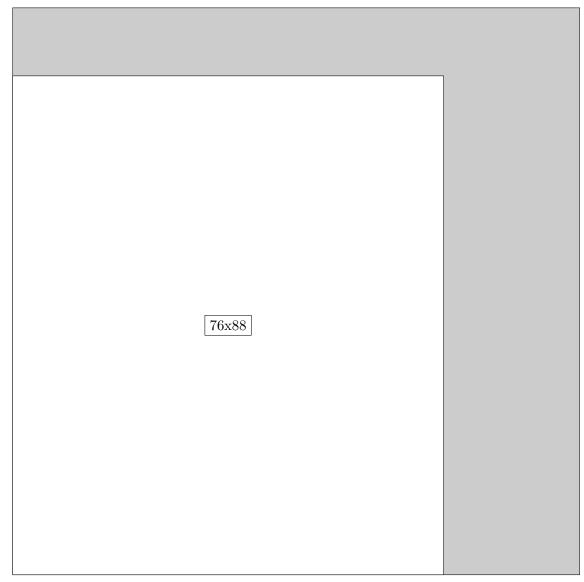


 \mathbf{w} =77 , h =92 , x =0 , y =0 , v =7084

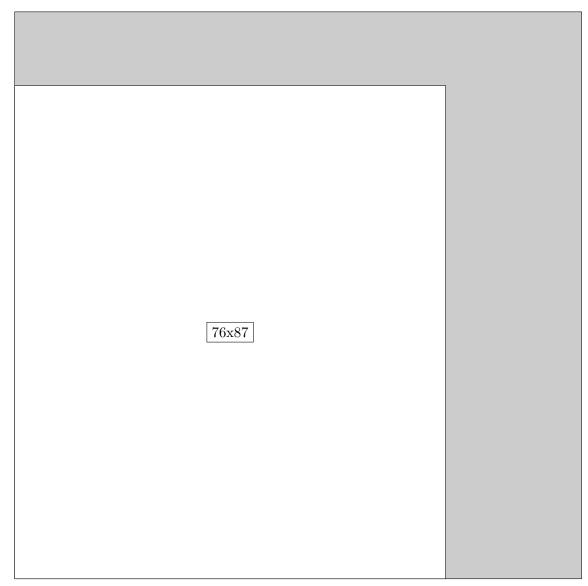




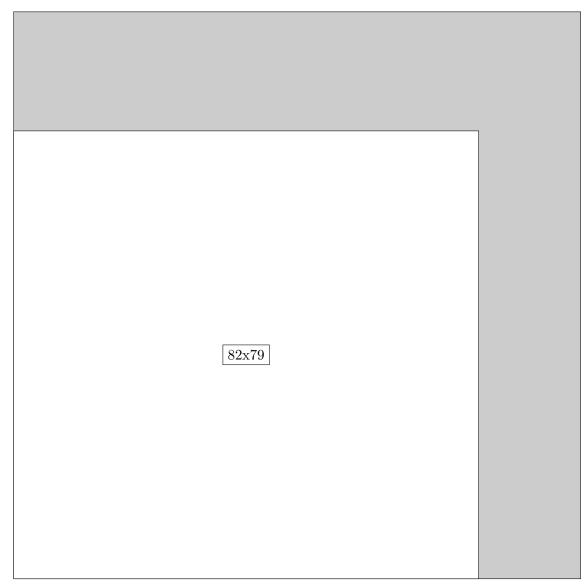
 $\overline{\rm w}$ =93 , h =75 , x =0 , y =0 , v =6975



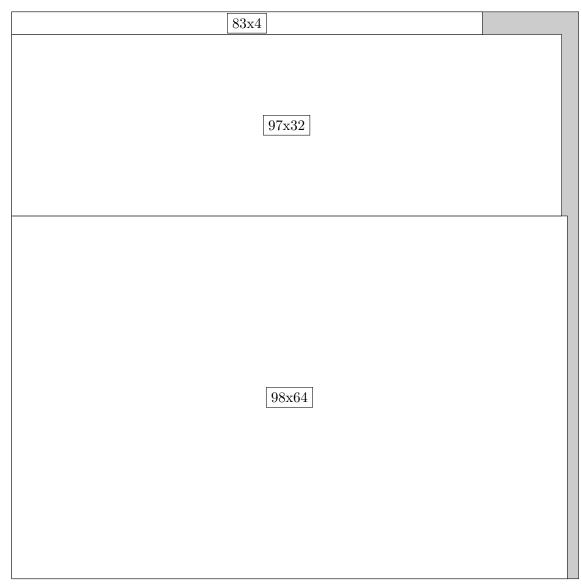
w = 76, h = 88, x = 0, y = 0, v = 6688



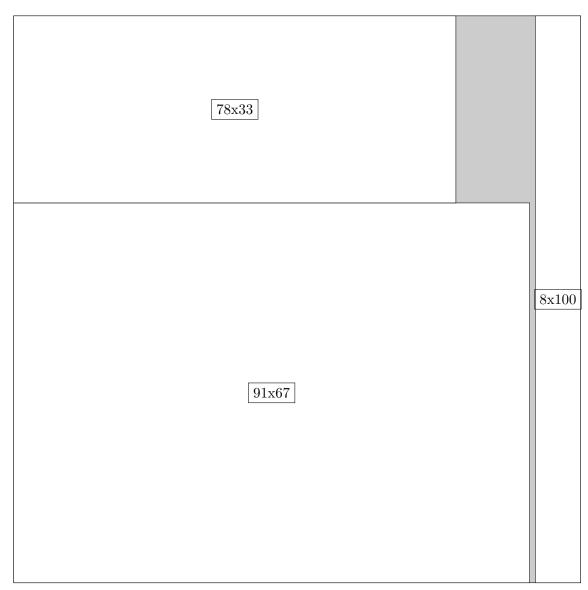
w = 76, h = 87, x = 0, y = 0, v = 6612



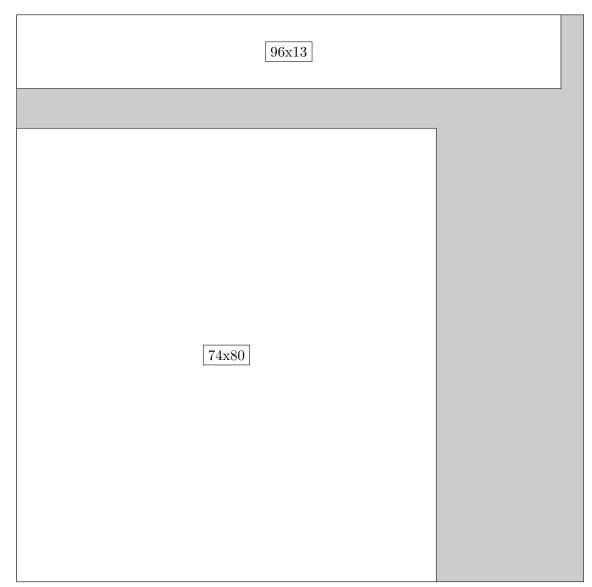
 $\le =82$, h =79 , x =0 , y =0 , v =6478

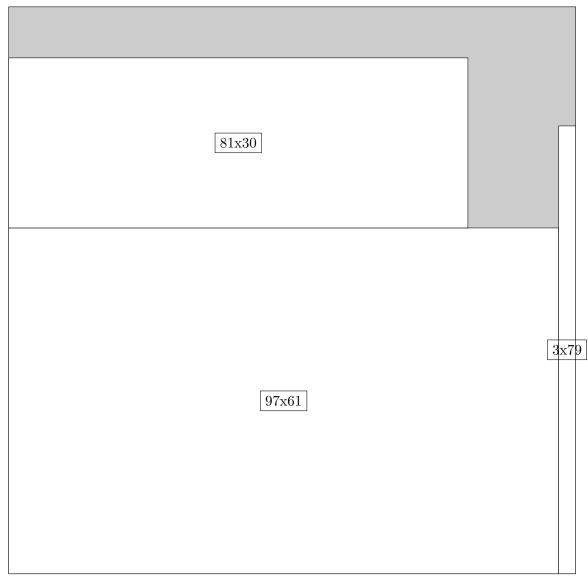


$$\begin{array}{l} w = \! 98 \ , \ h = \! 64 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 6272 \\ w = \! 97 \ , \ h = \! 32 \ , \ x = \! 0 \ , \ y = \! 64 \ , \ v = \! 3104 \\ w = \! 83 \ , \ h = \! 4 \ , \ x = \! 0 \ , \ y = \! 96 \ , \ v = \! 332 \end{array}$$

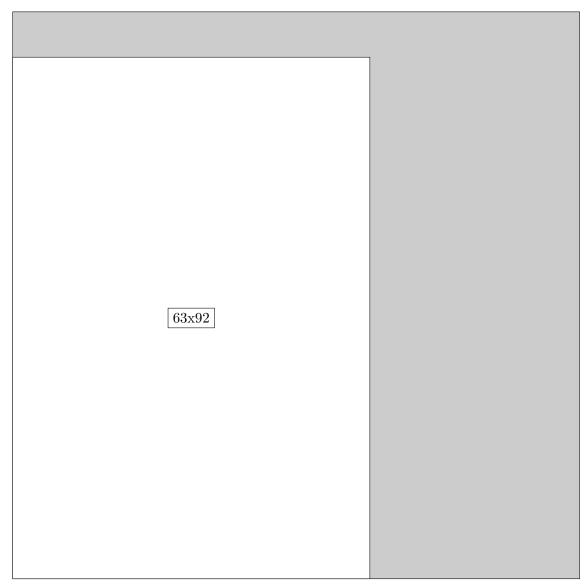


$$\begin{array}{l} w = \! 91 \ , \ h = \! 67 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 6097 \\ w = \! 78 \ , \ h = \! 33 \ , \ x = \! 0 \ , \ y = \! 67 \ , \ v = \! 2574 \\ w = \! 8 \ , \ h = \! 100 \ , \ x = \! 92 \ , \ y = \! 0 \ , \ v = \! 800 \end{array}$$

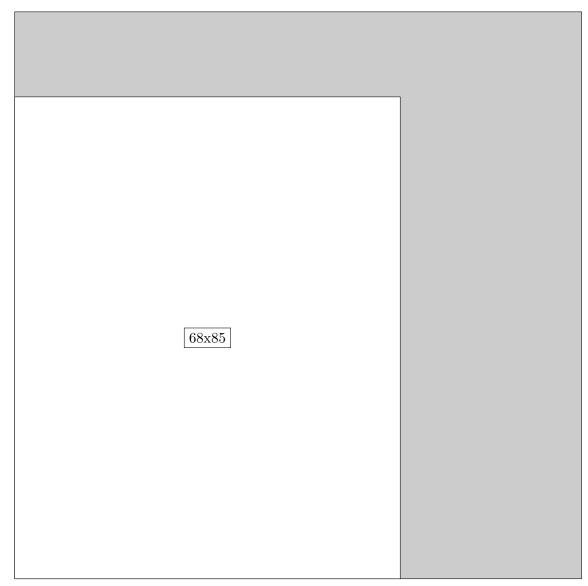




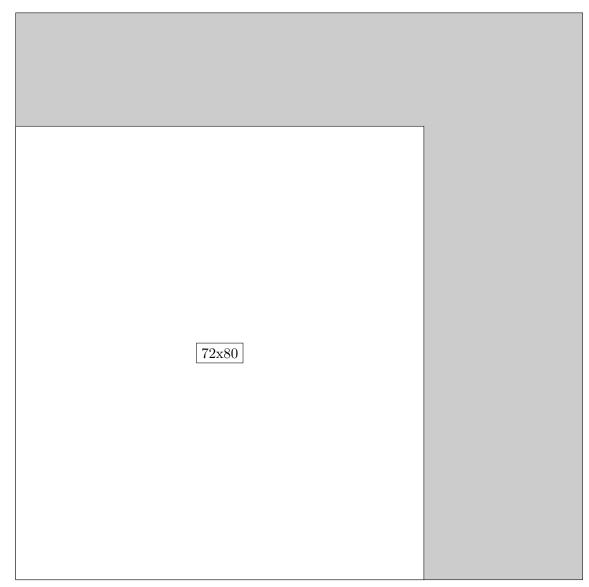
$$\begin{array}{l} w = \! 97 \ , \ h = \! 61 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 5917 \\ w = \! 81 \ , \ h = \! 30 \ , \ x = \! 0 \ , \ y = \! 61 \ , \ v = \! 2430 \\ w = \! 3 \ , \ h = \! 79 \ , \ x = \! 97 \ , \ y = \! 0 \ , \ v = \! 237 \end{array}$$



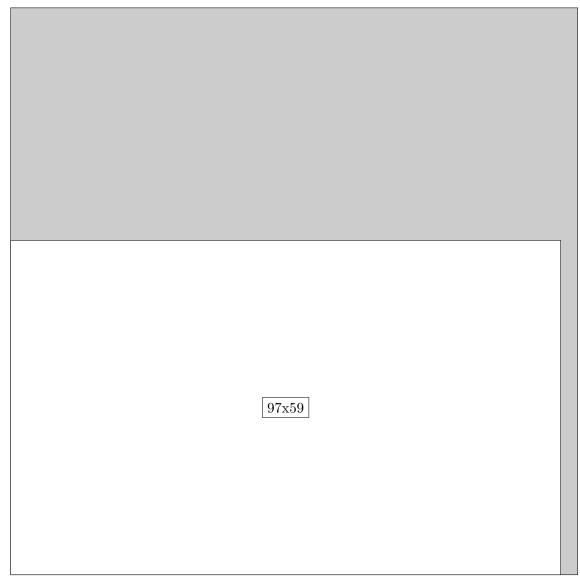
w = 63, h = 92, x = 0, y = 0, v = 5796



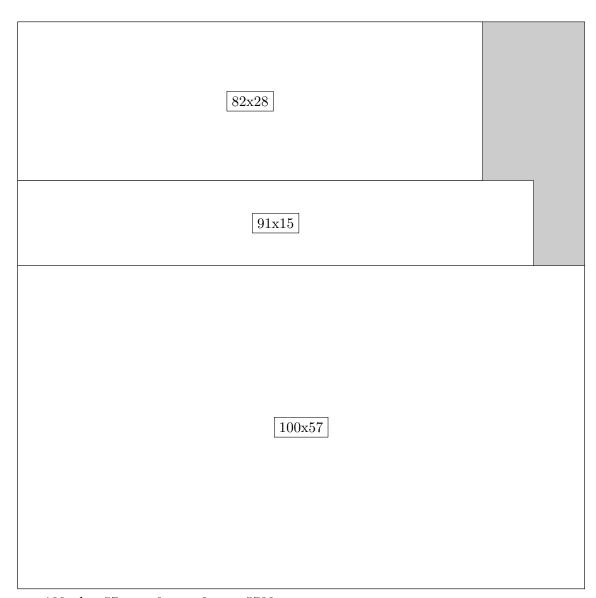
w = 68, h = 85, x = 0, y = 0, v = 5780



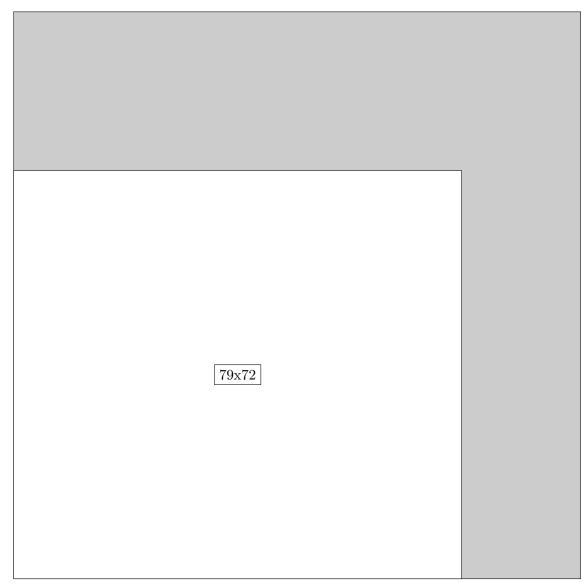
 \mathbf{w} =72 , h =80 , x =0 , y =0 , v =5760



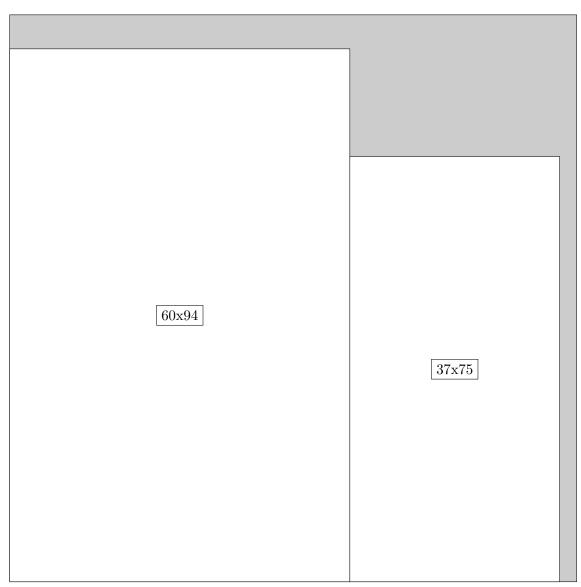
w = 97, h = 59, x = 0, y = 0, v = 5723



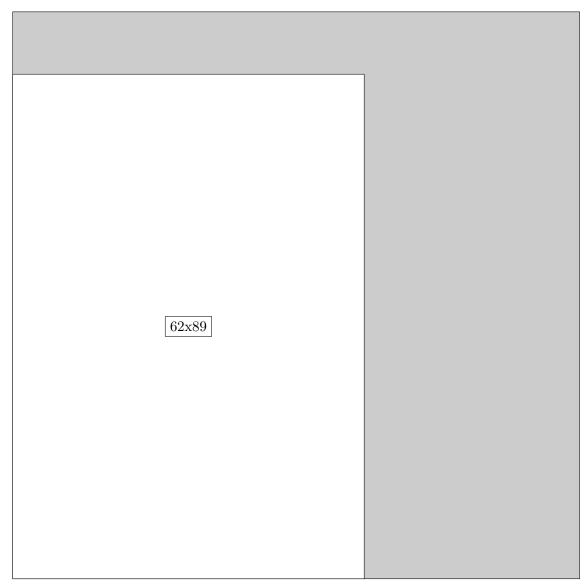
$$\begin{array}{l} w = \! 100 \ , \ h = \! 57 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 5700 \\ w = \! 82 \ , \ h = \! 28 \ , \ x = \! 0 \ , \ y = \! 72 \ , \ v = \! 2296 \\ w = \! 91 \ , \ h = \! 15 \ , \ x = \! 0 \ , \ y = \! 57 \ , \ v = \! 1365 \end{array}$$



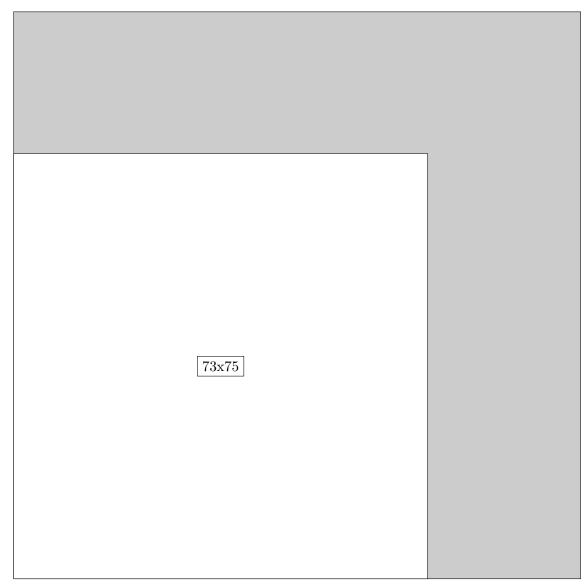
w = 79, h = 72, x = 0, y = 0, v = 5688



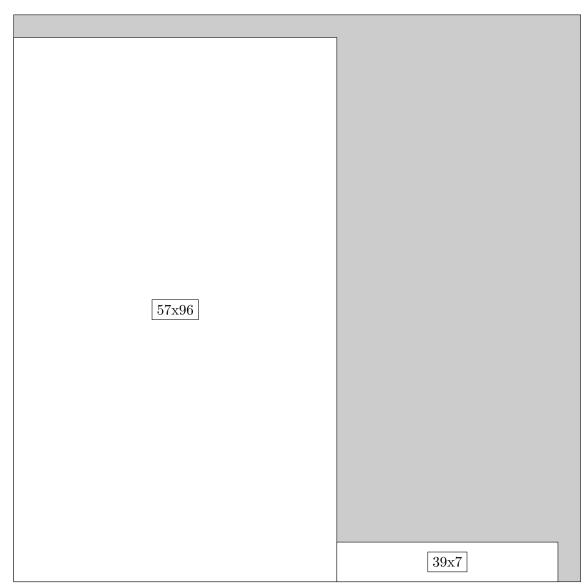
$$\begin{array}{c} w = \!\! 60 \; , \; h = \!\! 94 \; , \; x = \!\! 0 \; , \; y = \!\! 0 \; , \; v = \!\! 5640 \\ w = \!\! 37 \; , \; h = \!\! 75 \; , \; x = \!\! 60 \; , \; y = \!\! 0 \; , \; v = \!\! 2775 \\ \end{array}$$

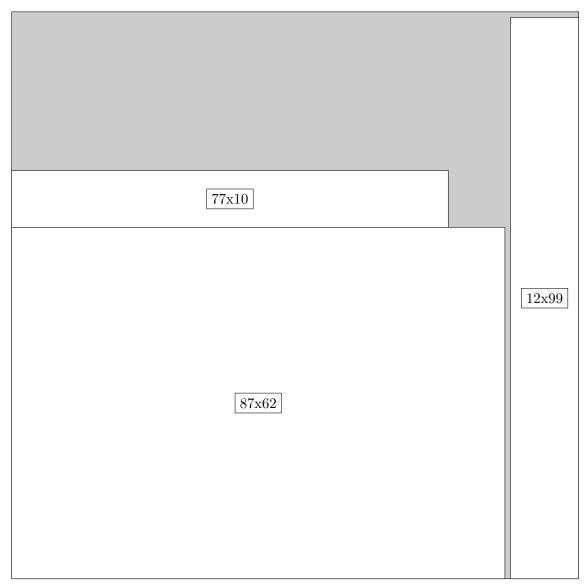


 $\le =62$, h =89 , x =0 , y =0 , v =5518



w = 73, h = 75, x = 0, y = 0, v = 5475

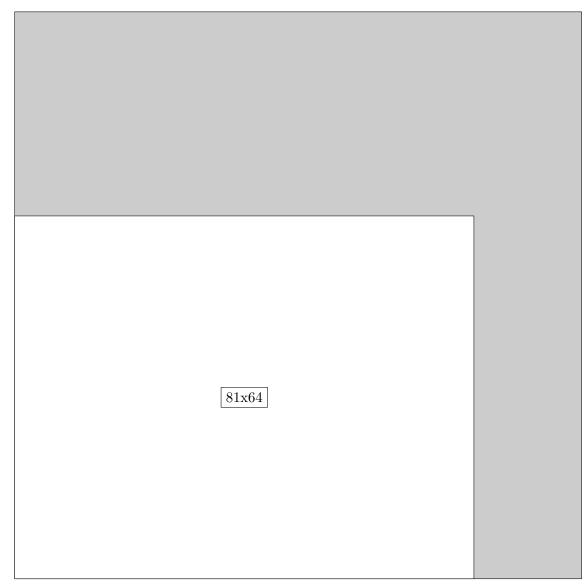




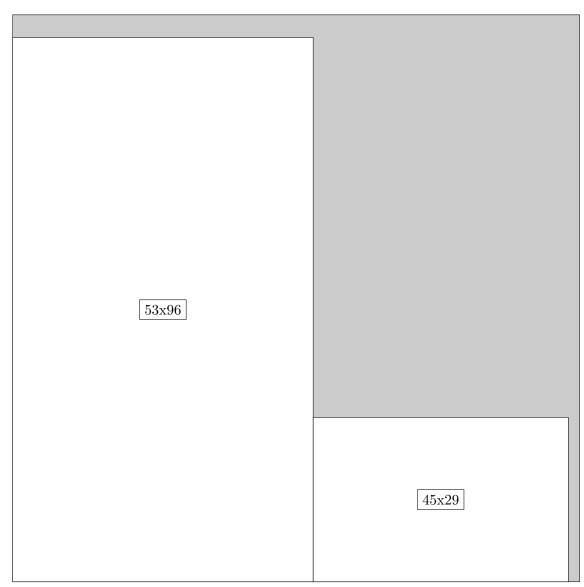
$$w = 87$$
, $h = 62$, $x = 0$, $y = 0$, $v = 5394$

$$\le =12$$
 , h =99 , x =88 , y =0 , v =1188

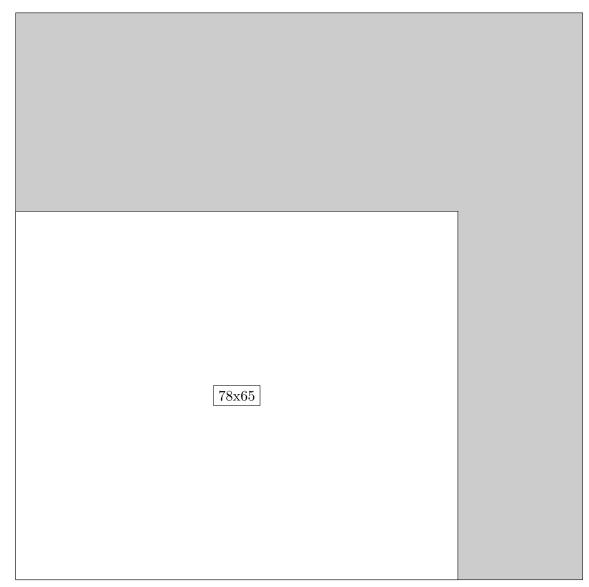
$$w = 77$$
, $h = 10$, $x = 0$, $y = 62$, $v = 770$



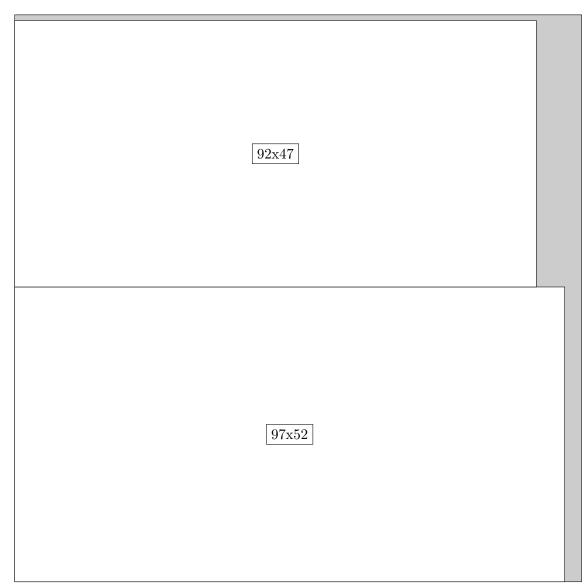
w = 81, h = 64, x = 0, y = 0, v = 5184



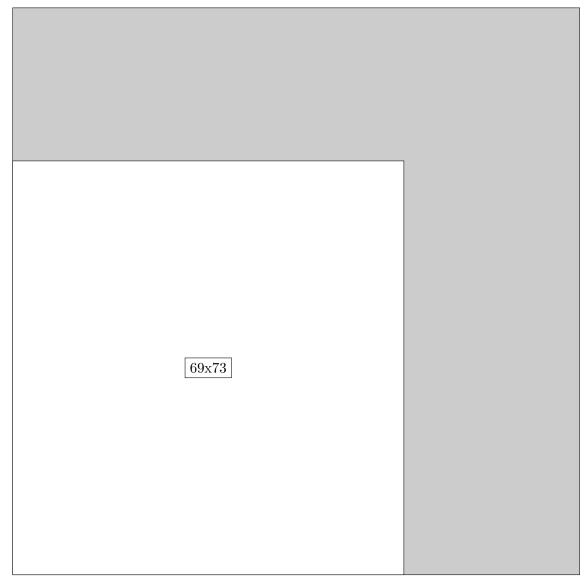
$$\begin{array}{c} w = \!\! 53 \; , \; h = \!\! 96 \; , \; x = \!\! 0 \; , \; y = \!\! 0 \; , \; v = \!\! 5088 \\ w = \!\! 45 \; , \; h = \!\! 29 \; , \; x = \!\! 53 \; , \; y = \!\! 0 \; , \; v = \!\! 1305 \\ \end{array}$$



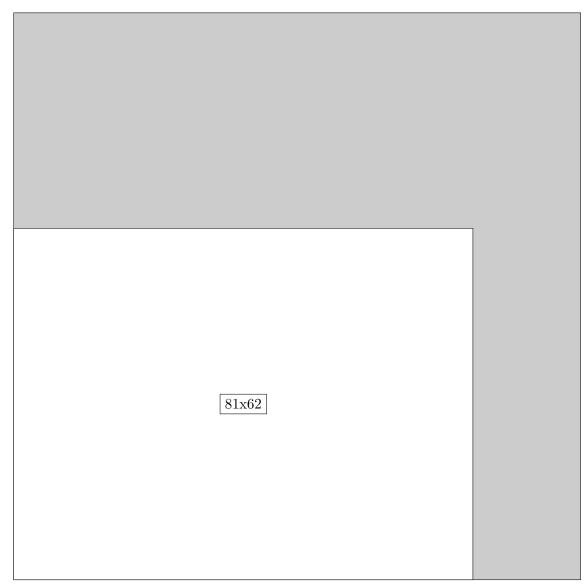
 $\overline{\mathbf{w}=}78$, h =65 , x =0 , y =0 , v =5070



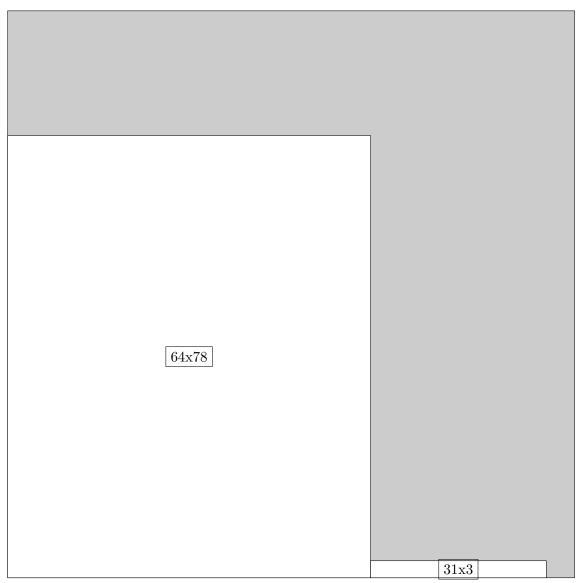
$$\begin{array}{c} w = 97 \; , \; h = 52 \; , \; x = 0 \; , \; y = 0 \; , \; v = 5044 \\ w = 92 \; , \; h = 47 \; , \; x = 0 \; , \; y = 52 \; , \; v = 4324 \\ \end{array}$$



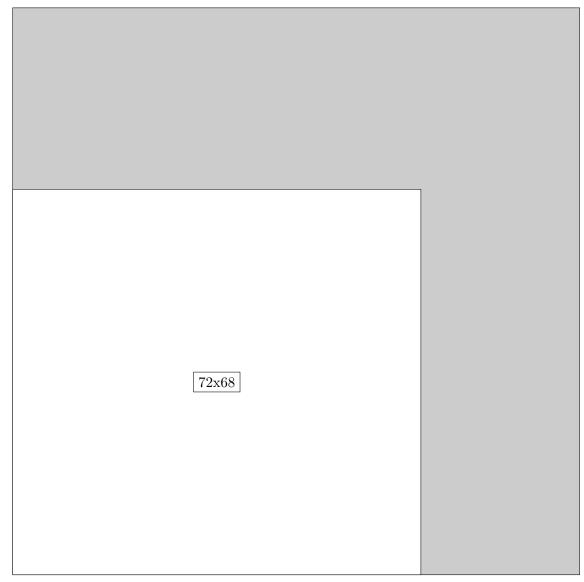
w = 69, h = 73, x = 0, y = 0, v = 5037



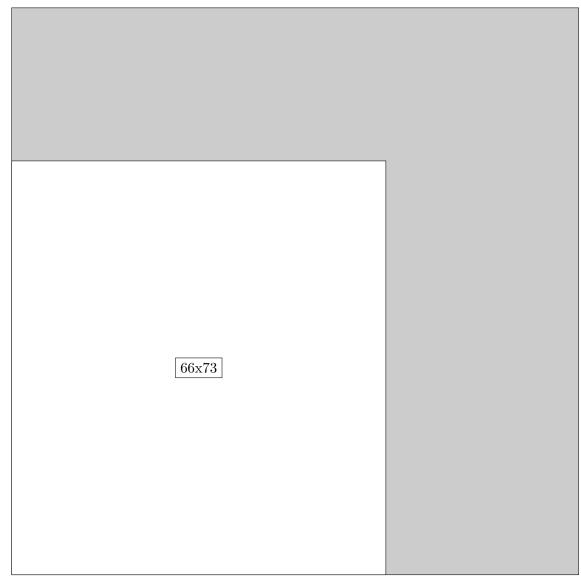
w = 81, h = 62, x = 0, y = 0, v = 5022



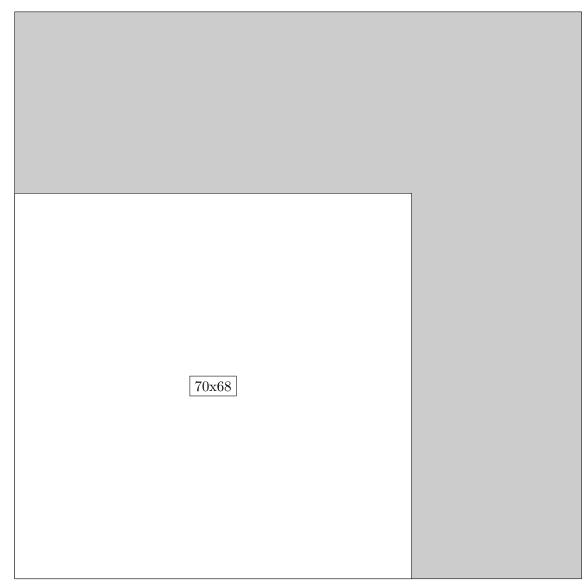
 $\begin{array}{l} w = \!64 \; , \; h = \!78 \; , \; x = \!0 \; , \; y = \!0 \; , \; v = \!4992 \\ w = \!31 \; , \; h = \!3 \; , \; x = \!64 \; , \; y = \!0 \; , \; v = \!93 \end{array}$



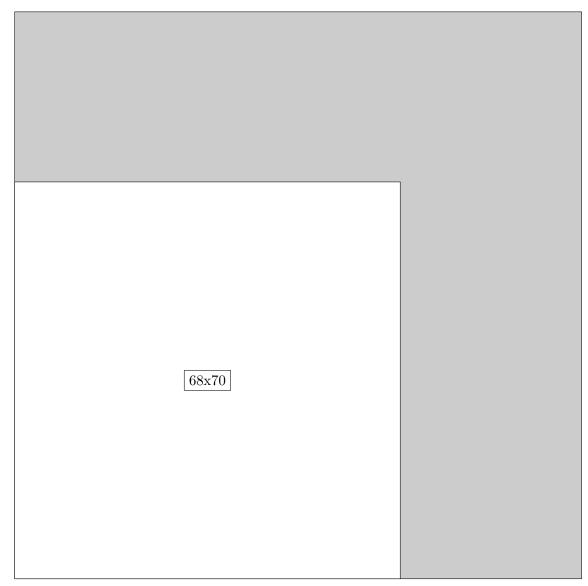
w = 72, h = 68, x = 0, y = 0, v = 4896



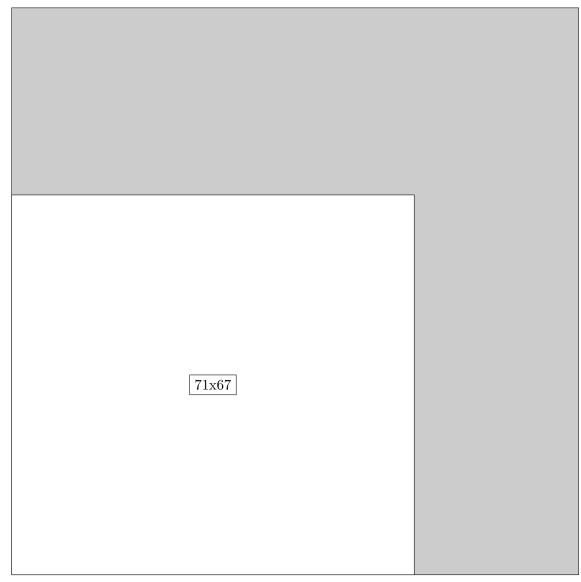
w = 66, h = 73, x = 0, y = 0, v = 4818



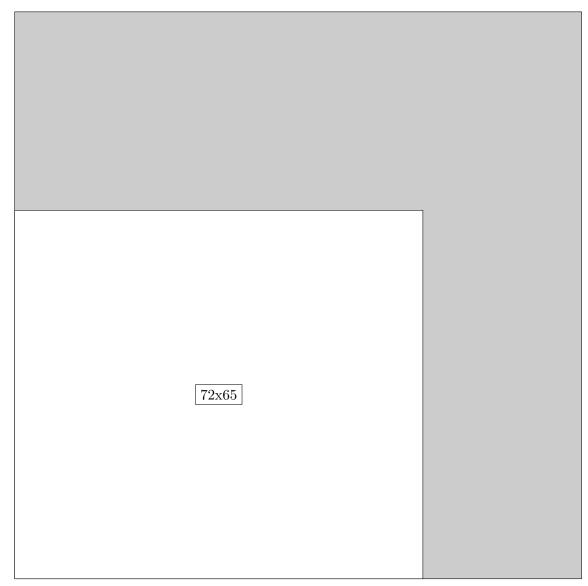
w = 70, h = 68, x = 0, y = 0, v = 4760



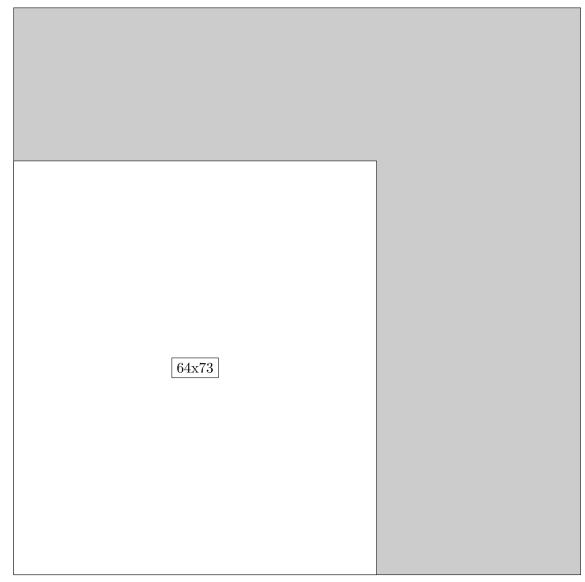
w = 68, h = 70, x = 0, y = 0, v = 4760



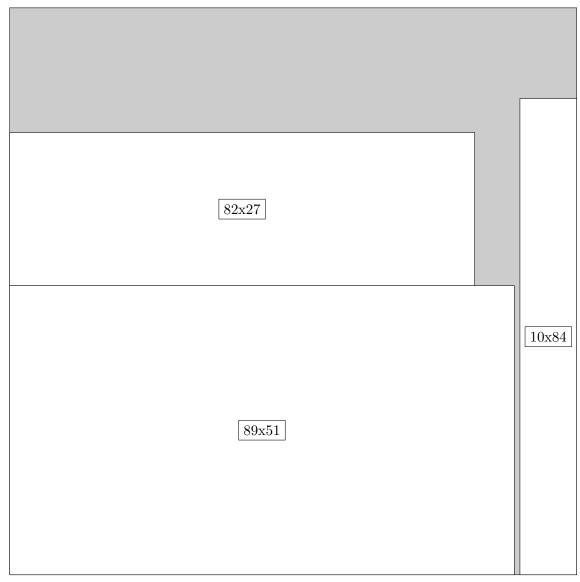
 \mathbf{w} =71 , h =67 , x =0 , y =0 , v =4757



 \mathbf{w} =72 , h =65 , x =0 , y =0 , v =4680



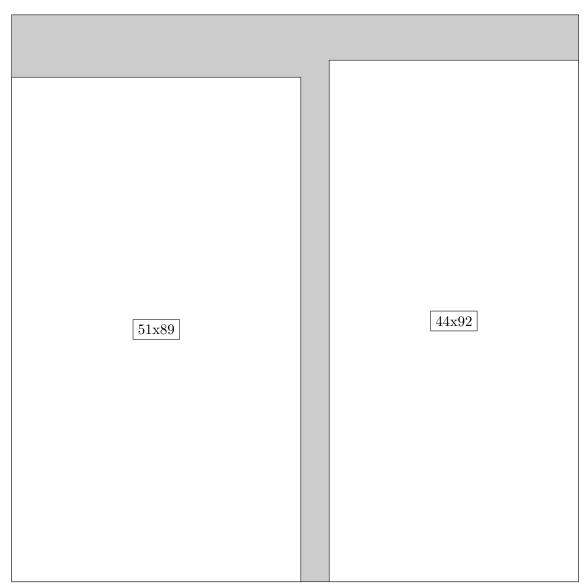
w = 64, h = 73, x = 0, y = 0, v = 4672

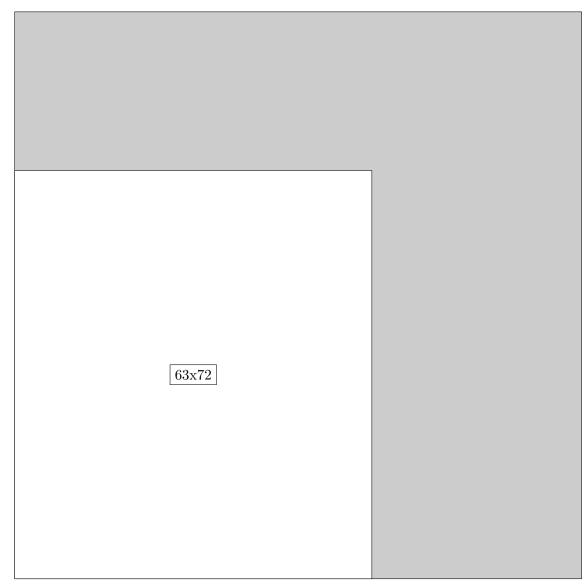


$$\mathbf{w}$$
 =89 , h =51 , x =0 , y =0 , v =4539

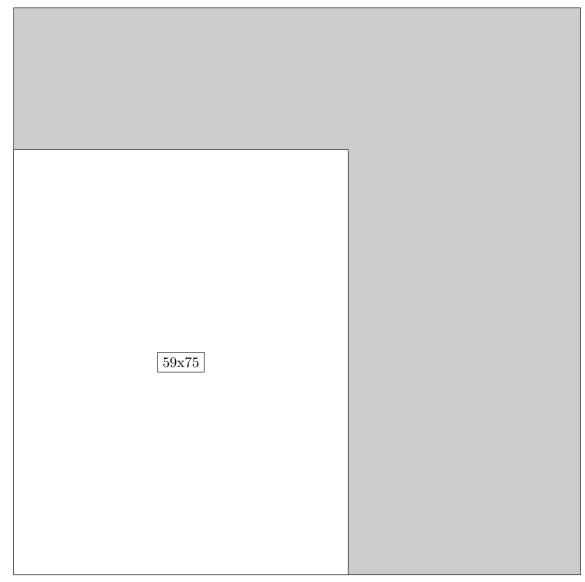
$$\le =82$$
 , h =27 , x =0 , y =51 , v =2214

$$\le =10$$
 , h =84 , x =90 , y =0 , v =840

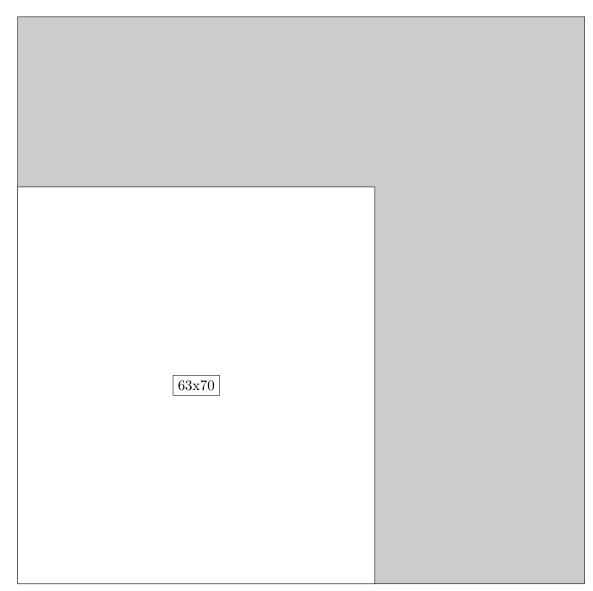




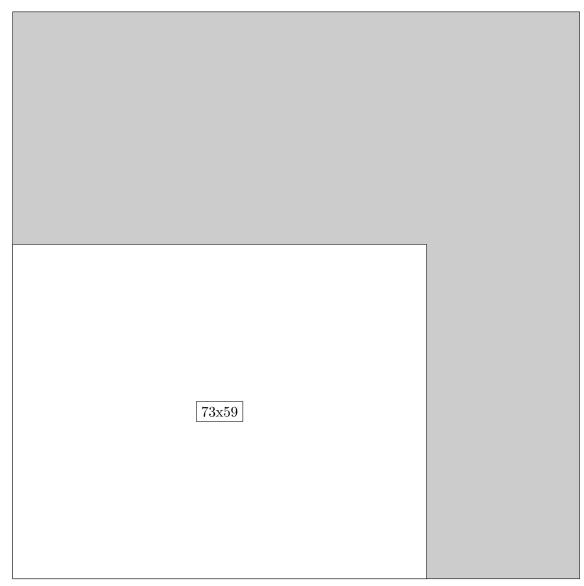
w = 63, h = 72, x = 0, y = 0, v = 4536



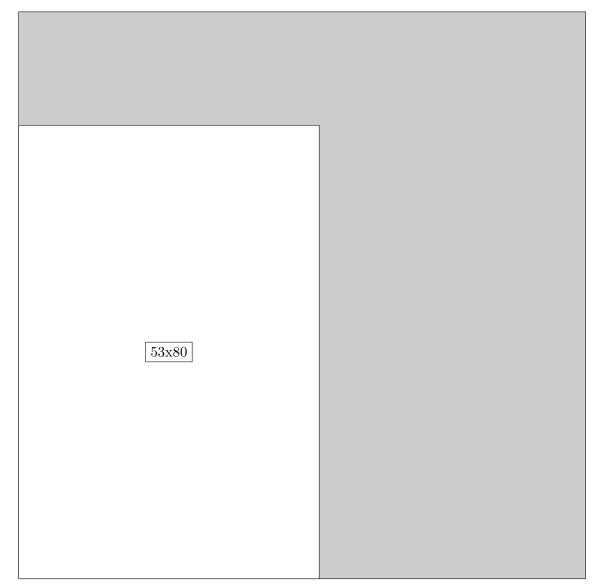
 $\le =59$, h =75 , x =0 , y =0 , v =4425



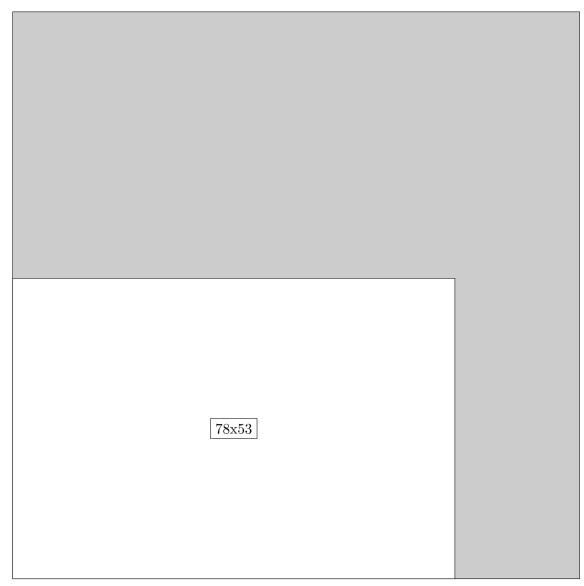
 $\overline{\mathbf{w}} = 63$, $\mathbf{h} = 70$, $\mathbf{x} = 0$, $\mathbf{y} = 0$, $\mathbf{v} = 4410$



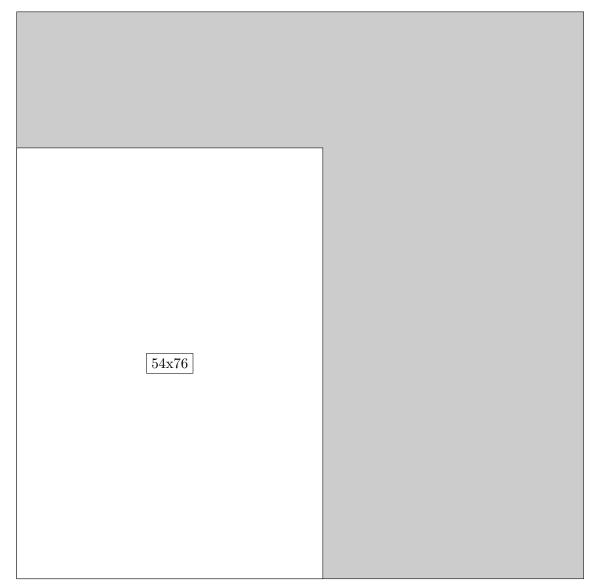
w = 73, h = 59, x = 0, y = 0, v = 4307



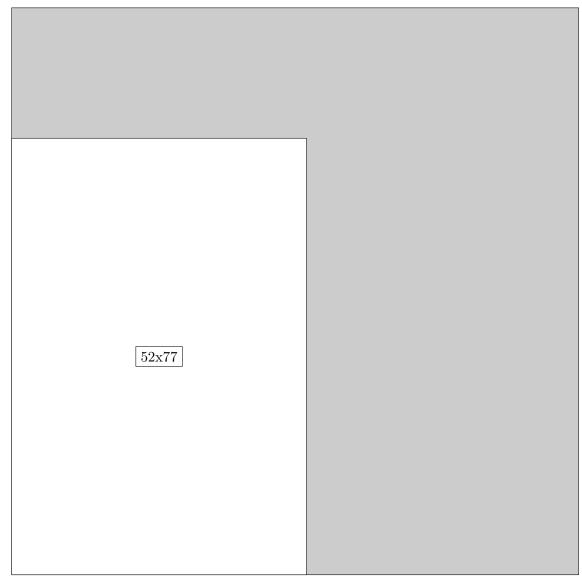
w = 53, h = 80, x = 0, y = 0, v = 4240



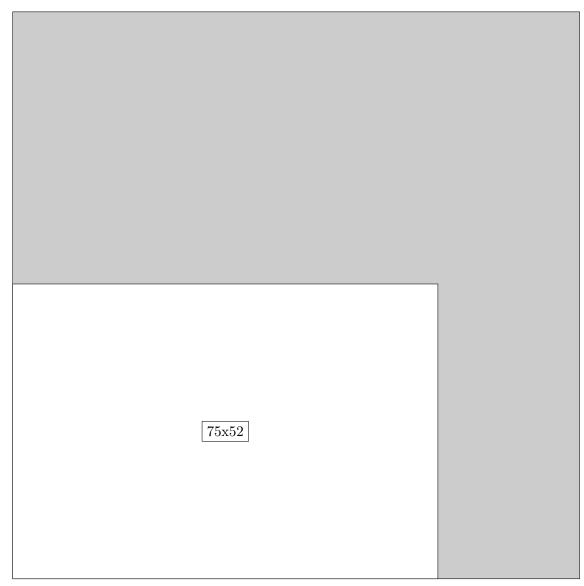
 \mathbf{w} =78 , h =53 , x =0 , y =0 , v =4134



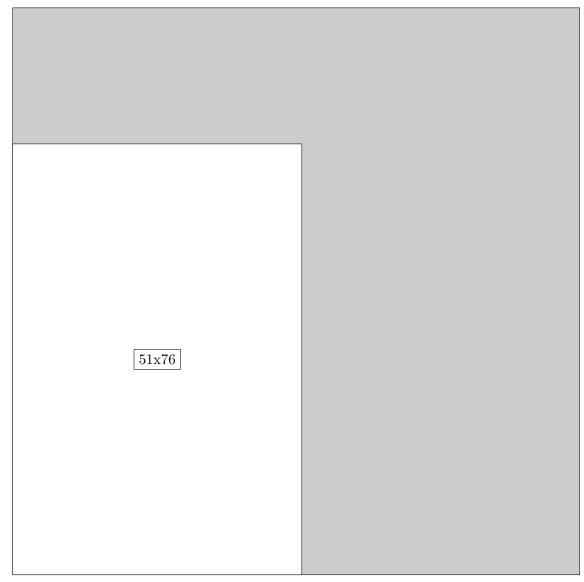
w = 54, h = 76, x = 0, y = 0, v = 4104



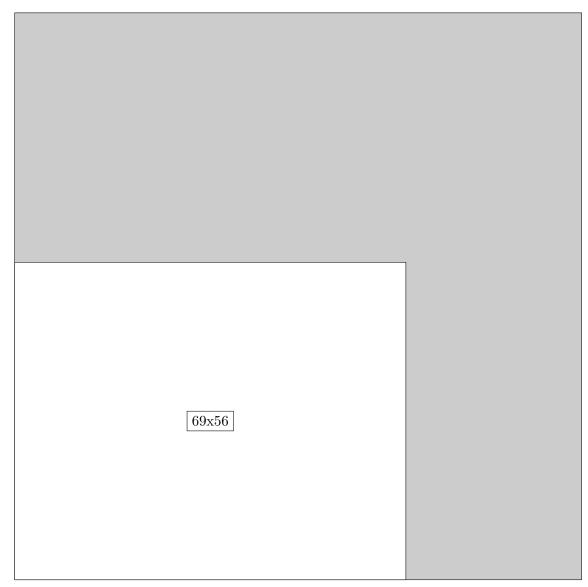
 ≤ 52 , h = 77 , x =0 , y = 0 , v = 4004



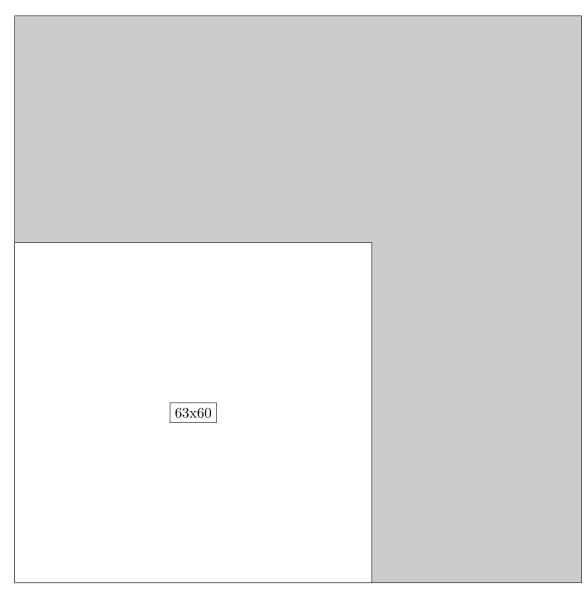
w = 75, h = 52, x = 0, y = 0, v = 3900



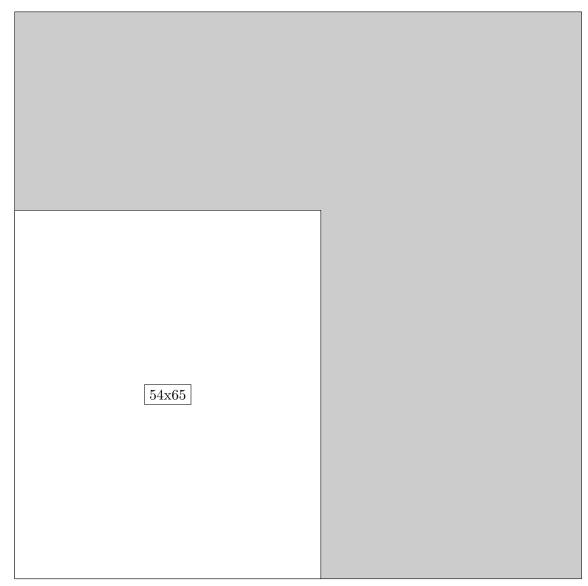
 $\overline{\mathbf{w}}$ =51 , h =76 , x =0 , y =0 , v =3876



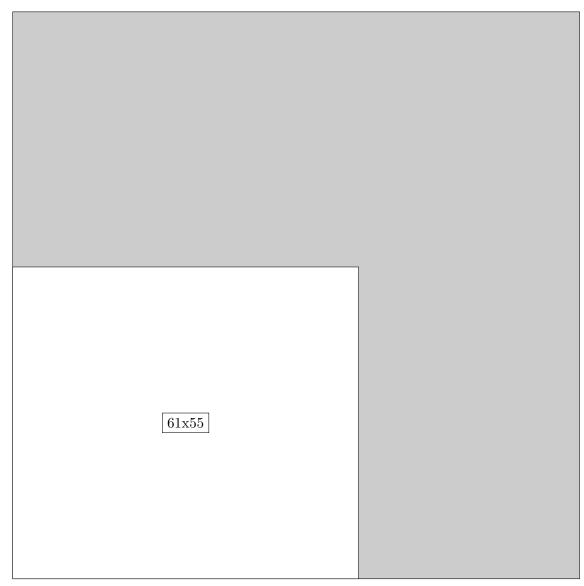
w = 69, h = 56, x = 0, y = 0, v = 3864



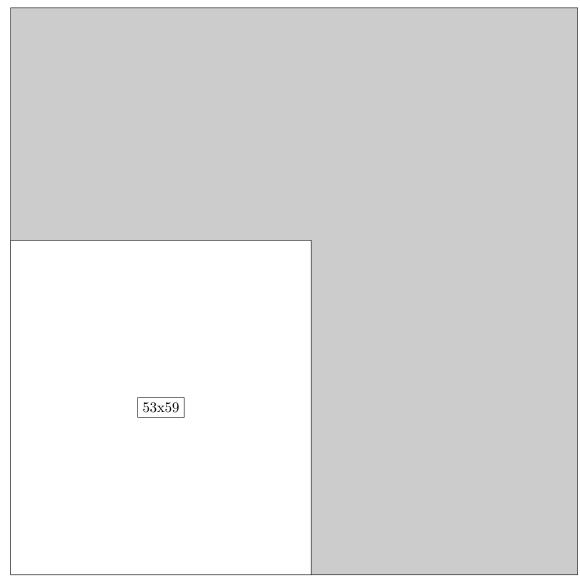
 $\overline{\mathbf{w}} = 63$, $\mathbf{h} = 60$, $\mathbf{x} = 0$, $\mathbf{y} = 0$, $\mathbf{v} = 3780$



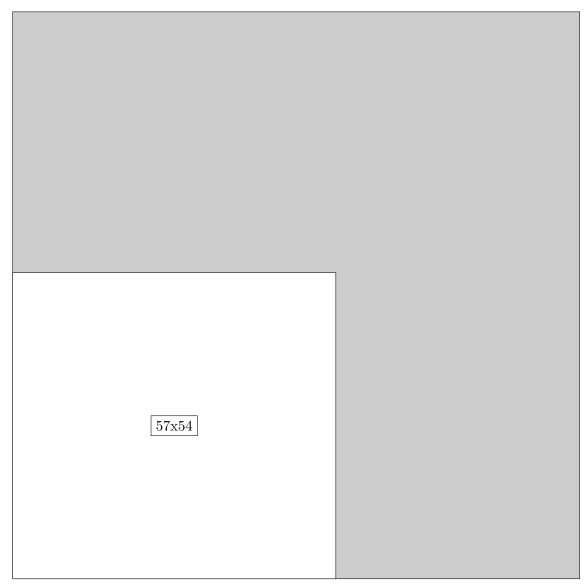
 $\overline{w} = 54$, h = 65, x = 0, y = 0, v = 3510



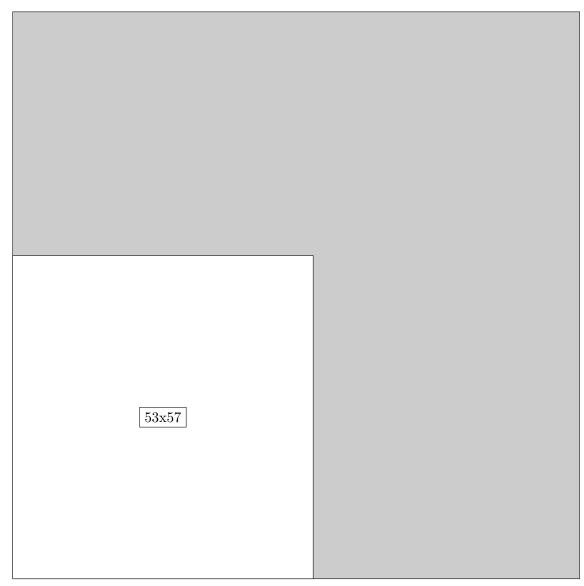
w = 61, h = 55, x = 0, y = 0, v = 3355



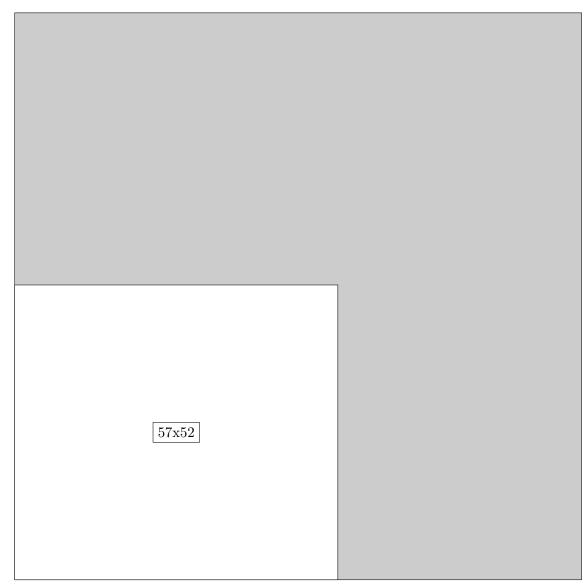
w = 53, h = 59, x = 0, y = 0, v = 3127



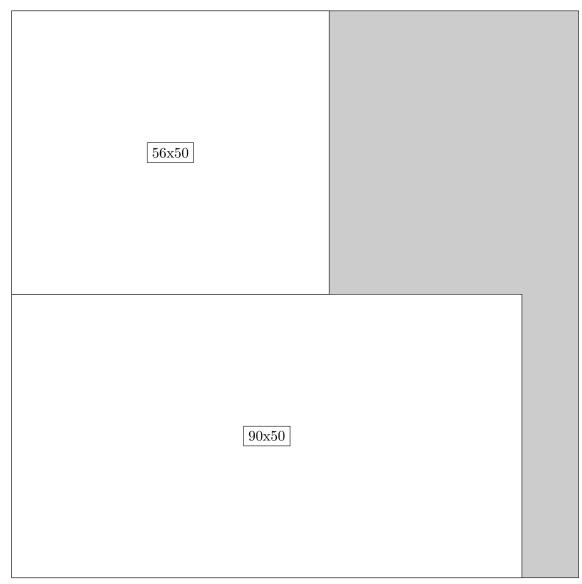
w = 57, h = 54, x = 0, y = 0, v = 3078



 $\le =53$, h =57 , x =0 , y =0 , v =3021



 \mathbf{w} =57 , h =52 , x =0 , y =0 , v =2964



$$\begin{array}{c} w = \! 90 \ , \ h = \! 50 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 4500 \\ w = \! 56 \ , \ h = \! 50 \ , \ x = \! 0 \ , \ y = \! 50 \ , \ v = \! 2800 \\ \end{array}$$