$ClassName: \ Class_09.2bp-23$

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

TypeNum: <u>60</u> Num: <u>60</u> OutS: <u>440000</u> InS: <u>262165</u> Rate: <u>0.596</u> UB: <u>44</u> LB0: <u>44</u>

LBWithCut: <u>44</u> NodeCut: <u>0</u>

LB: **44**

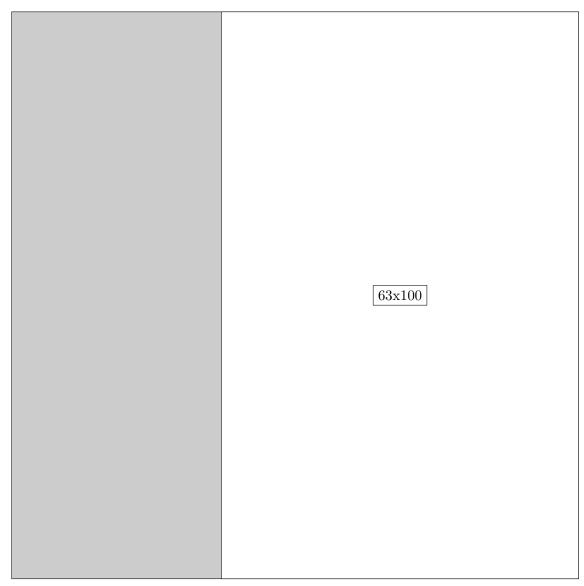
ExtendedNodeCnt: $\underline{\mathbf{1}}$

GenNodeCnt: $\underline{\mathbf{1}}$ PrimalNode: $\underline{\mathbf{0}}$ ColumnCount: $\underline{\mathbf{44}}$ TotalCutCount: $\underline{\mathbf{0}}$ RootCutCount: $\underline{\mathbf{0}}$ LPSolverCnt: $\underline{\mathbf{1}}$ PricingSolverCnt: $\underline{\mathbf{0}}$ BranchAndBoundNum: $\underline{\mathbf{1}}$

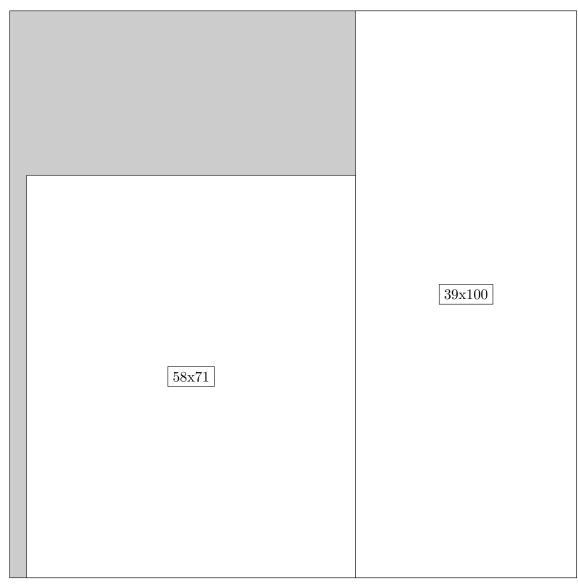
isOpt: $\underline{\mathbf{true}}$

TimeOnInitSolution: $\underline{600.000 \text{ s}}$

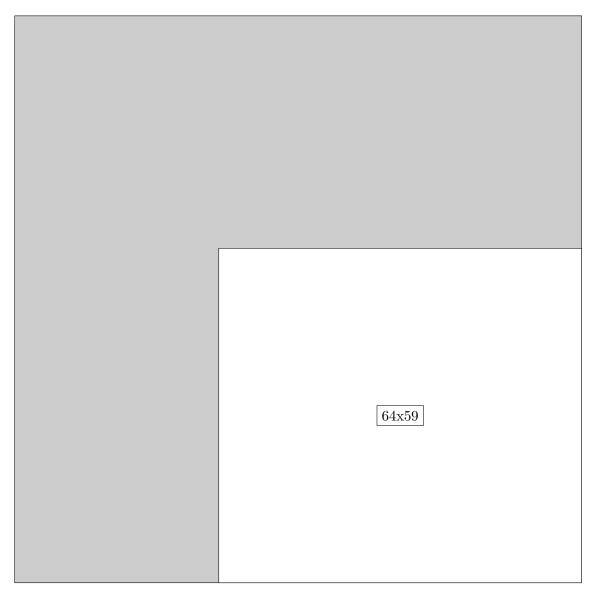
TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.062 sTotalTime: 600.312 s



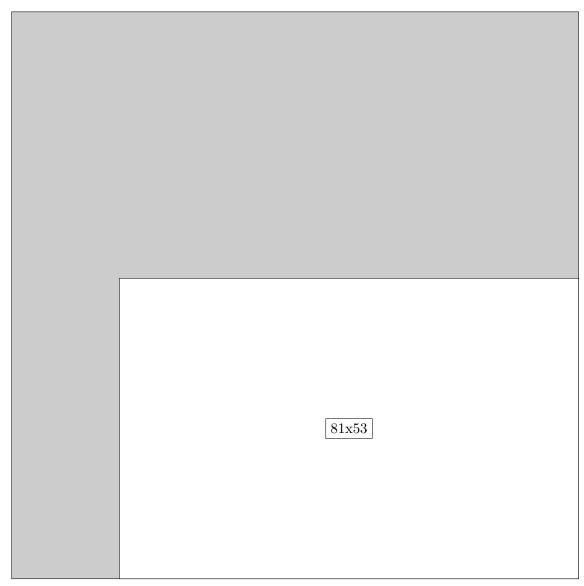
 $\le =63$, h = 100 , x = 37 , y = 0 , v = 6300



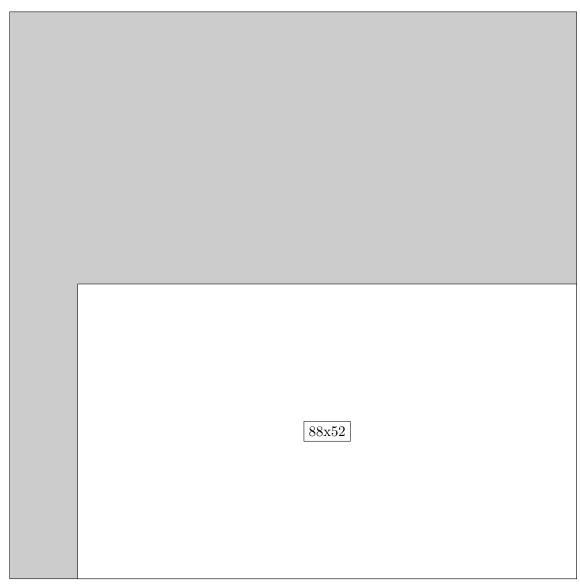
$$\begin{array}{l} w = & 39 \ , \ h = & 100 \ , \ x = & 61 \ , \ y = & 0 \ , \ v = & 3900 \\ w = & 58 \ , \ h = & 71 \ , \ x = & 3 \ , \ y = & 0 \ , \ v = & 4118 \end{array}$$



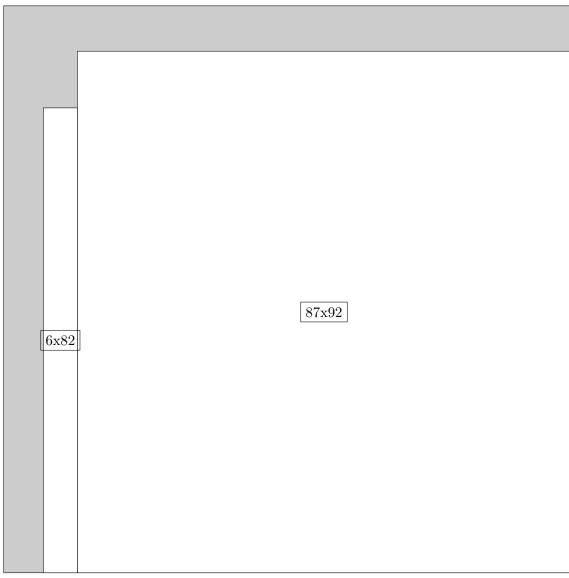
 $\le =64$, h =59 , x =36 , y =0 , v =3776



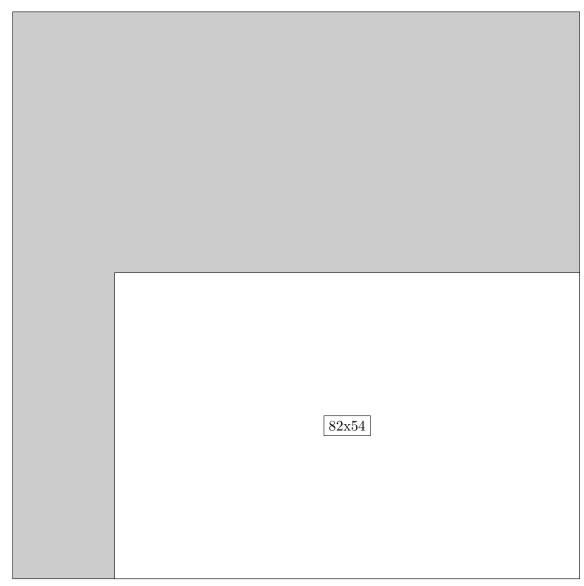
 $\le =81$, h =53 , x =19 , y =0 , v =4293



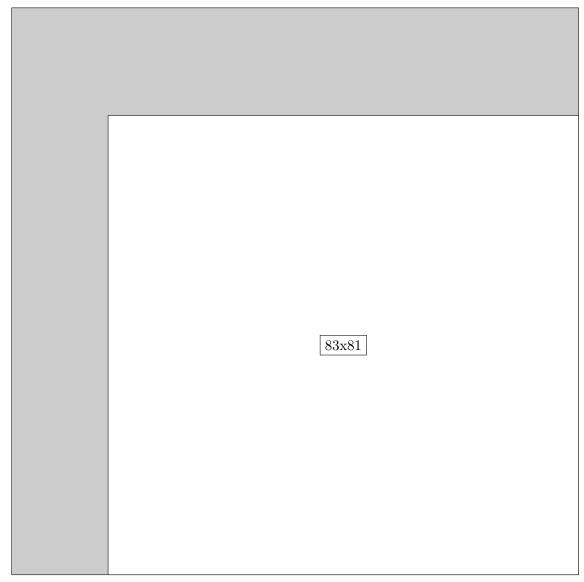
 $\le =88$, h =52 , x =12 , y =0 , v =4576



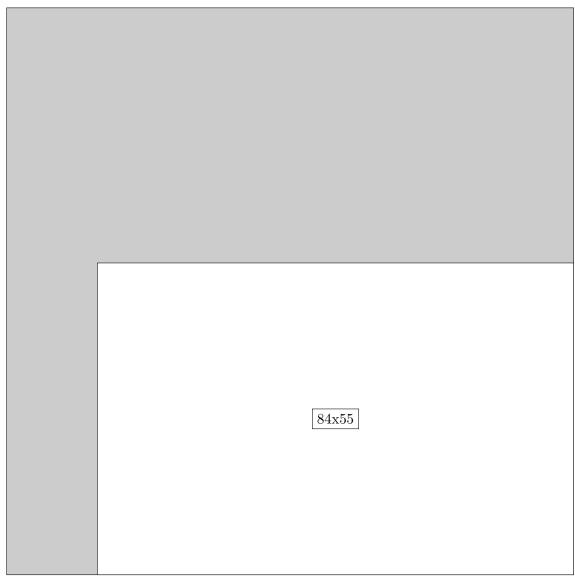
 $\begin{array}{l} w = \! 87 \; , \; h = \! 92 \; , \; x = \! 13 \; , \; y = \! 0 \; , \; v = \! 8004 \\ w = \! 6 \; , \; h = \! 82 \; , \; x = \! 7 \; , \; y = \! 0 \; , \; v = \! 492 \end{array}$



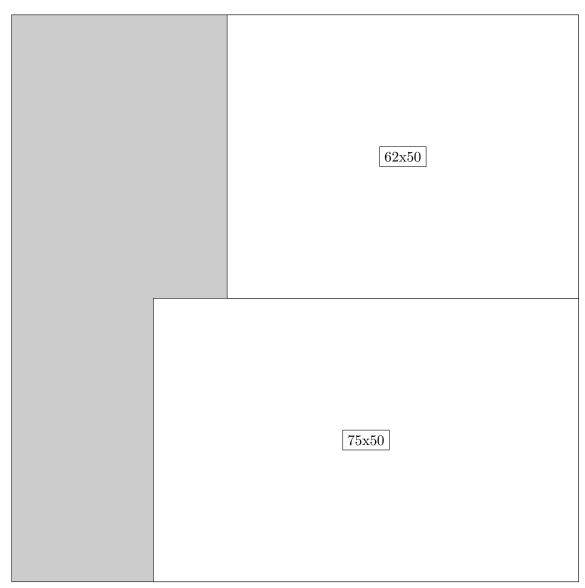
 $\le =82$, h =54 , x =18 , y =0 , v =4428



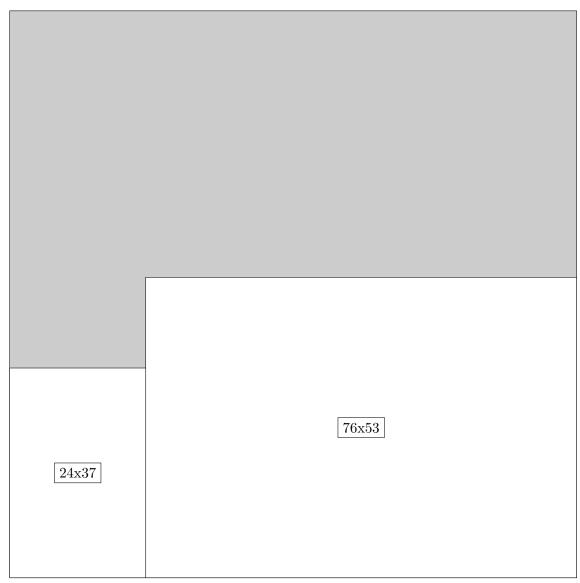
 $\le =83$, h =81 , x =17 , y =0 , v =6723

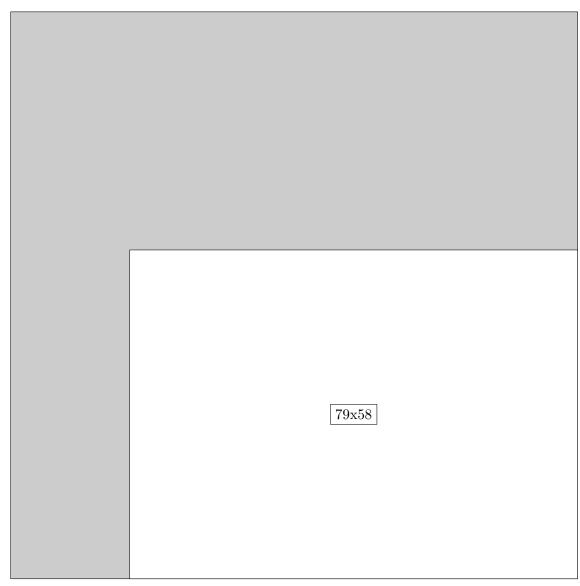


 $\le =84$, h = 55 , x = 16 , y = 0 , v = 4620

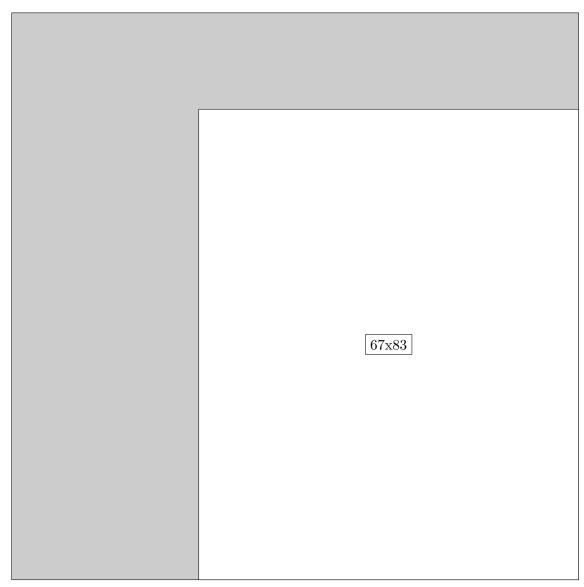


$$\begin{array}{l} w = \!\! 75 \ , \ h = \!\! 50 \ , \ x = \!\! 25 \ , \ y = \!\! 0 \ , \ v = \!\! 3750 \\ w = \!\! 62 \ , \ h = \!\! 50 \ , \ x = \!\! 38 \ , \ y = \!\! 50 \ , \ v = \!\! 3100 \end{array}$$

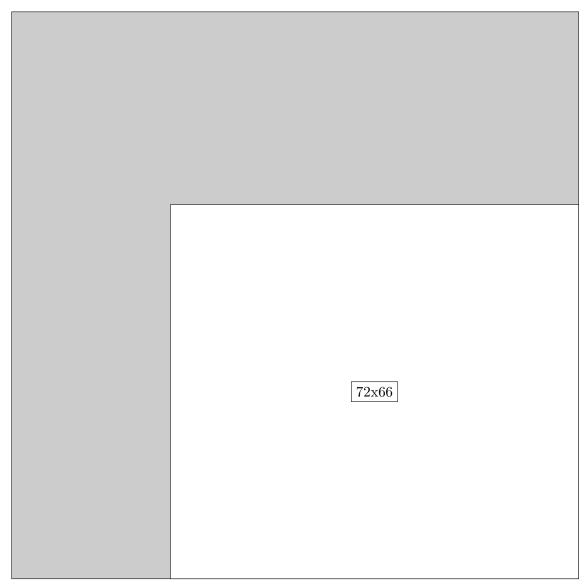




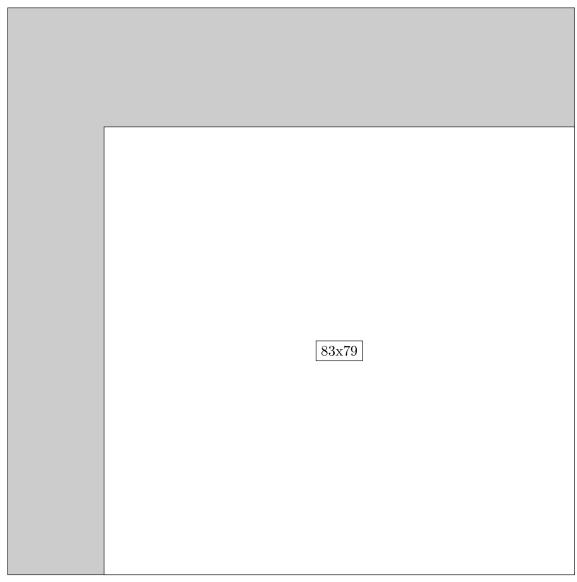
 $\le =79$, h =58 , x =21 , y =0 , v =4582



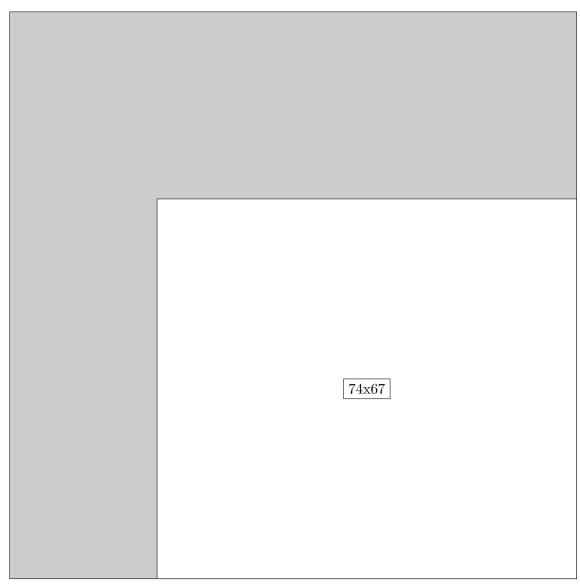
 $\le =67$, h =83 , x =33 , y =0 , v =5561



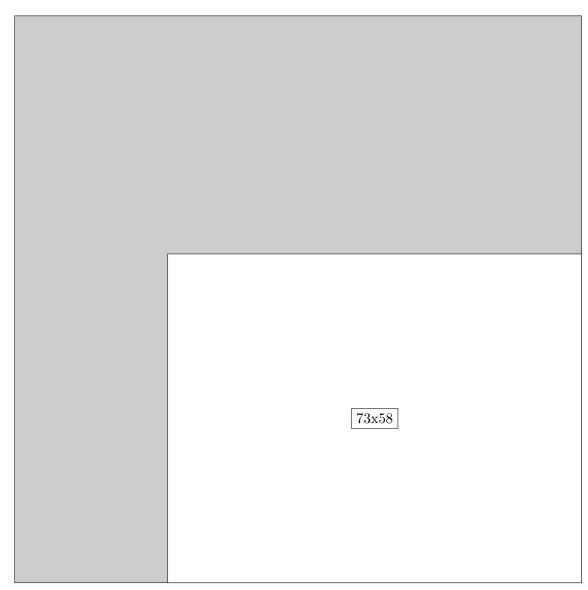
 $\le =72$, h =66 , x =28 , y =0 , v =4752



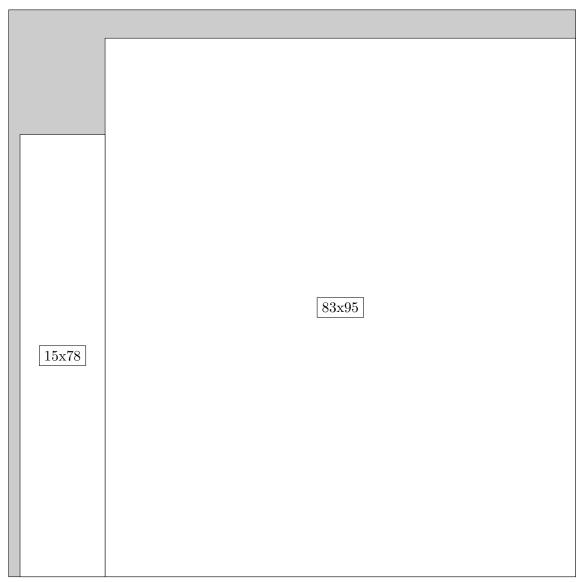
 $\le =83$, h =79 , x =17 , y =0 , v =6557



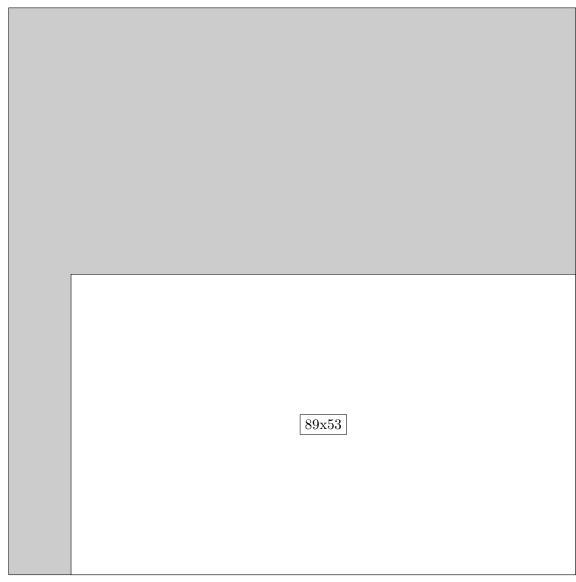
 $\le =74$, = 67 , = 26 , y = 0 , v = 4958



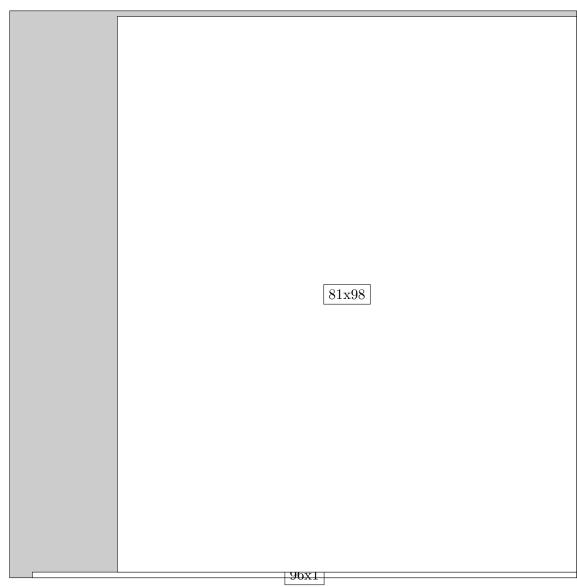
 $\le =73$, h =58 , x =27 , y =0 , v =4234



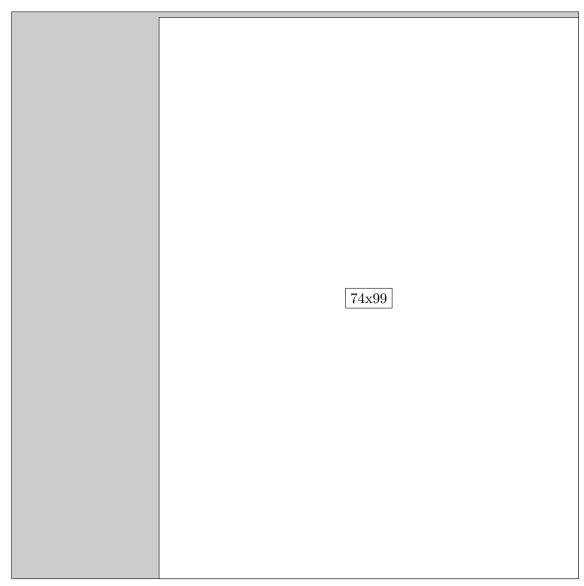
$$\begin{array}{l} w = \! 83 \ , \ h = \! 95 \ , \ x = \! 17 \ , \ y = \! 0 \ , \ v = \! 7885 \\ w = \! 15 \ , \ h = \! 78 \ , \ x = \! 2 \ , \ y = \! 0 \ , \ v = \! 1170 \end{array}$$



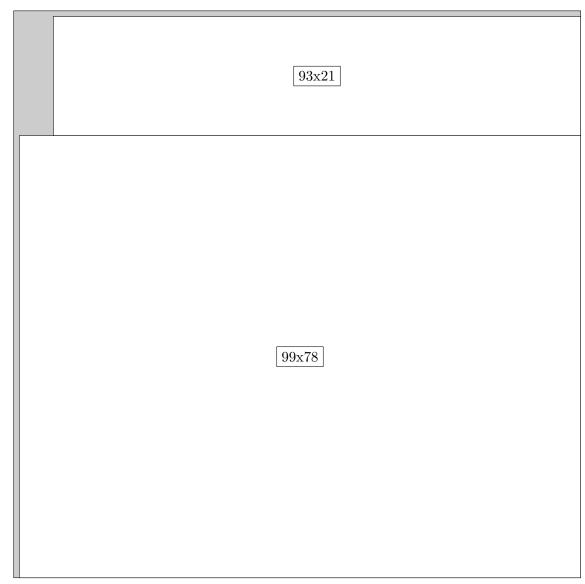
 $\le =89$, h =53 , x =11 , y =0 , v =4717



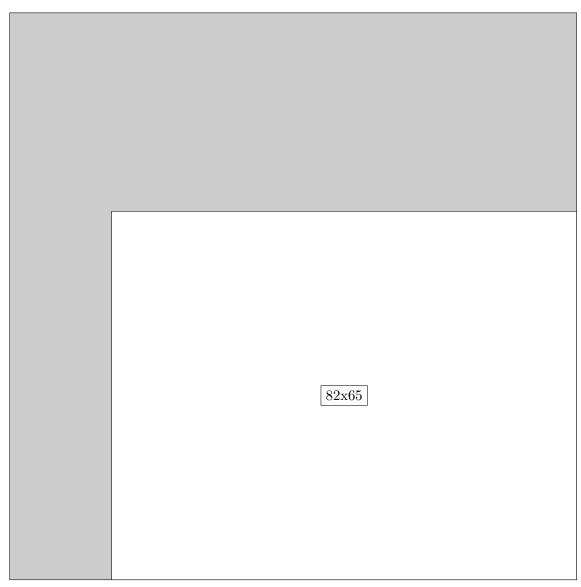
$$\begin{array}{l} w = \! 96 \ , \ h = \! 1 \ , \ x = \! 4 \ , \ y = \! 0 \ , \ v = \! 96 \\ w = \! 81 \ , \ h = \! 98 \ , \ x = \! 19 \ , \ y = \! 1 \ , \ v = \! 7938 \end{array}$$



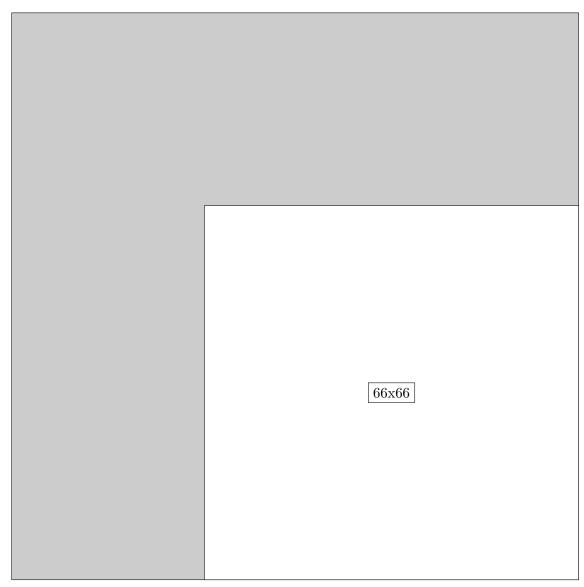
 $\le =74$, h =99 , x =26 , y =0 , v =7326



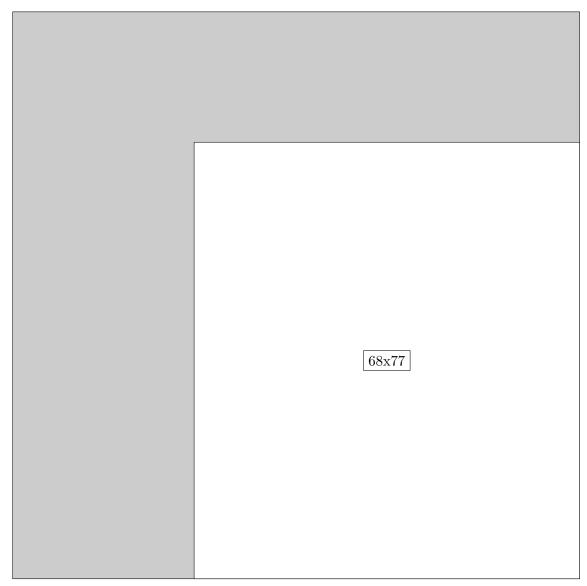
$$\begin{array}{l} w = 99 \ , \ h = 78 \ , \ x = 1 \ , \ y = 0 \ , \ v = 7722 \\ w = 93 \ , \ h = 21 \ , \ x = 7 \ , \ y = 78 \ , \ v = 1953 \end{array}$$



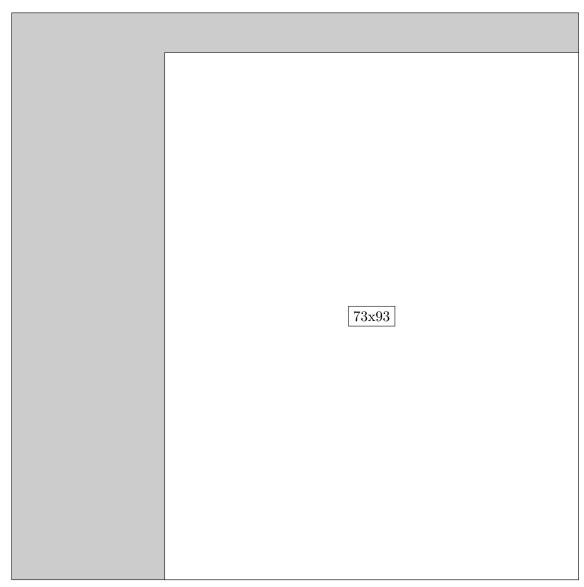
 $\le =82$, h=65 , x=18 , y=0 , v=5330



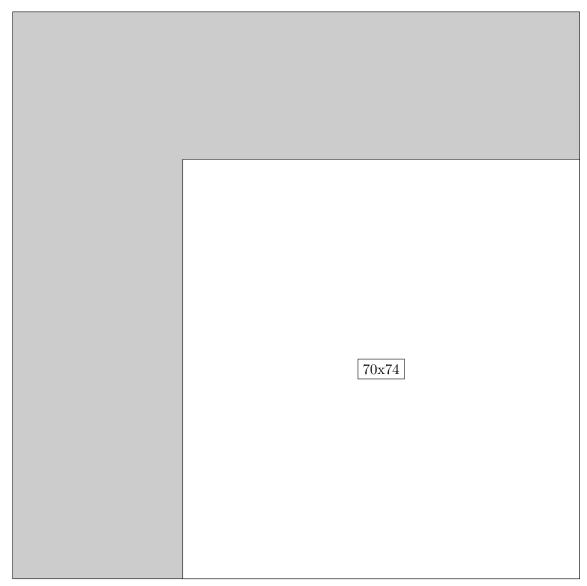
 $\le =66$, h=66 , x=34 , y=0 , v=4356



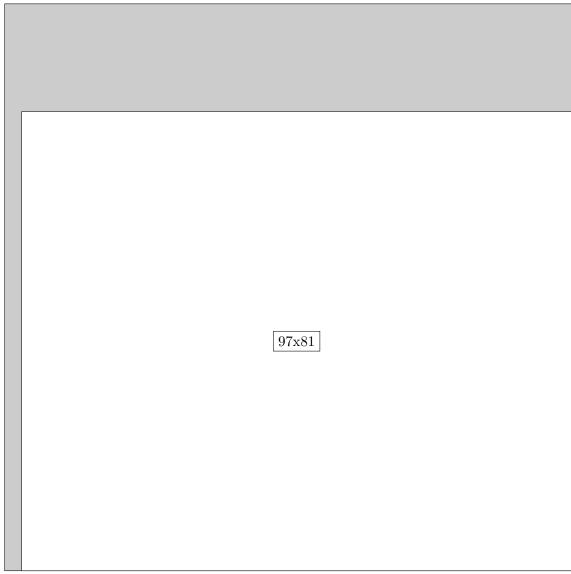
 $\le =68$, h =77 , x =32 , y =0 , v =5236



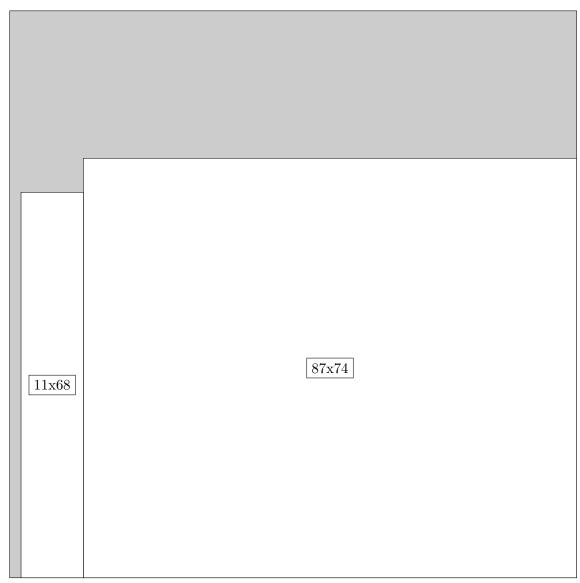
 $\le =73$, h =93 , x =27 , y =0 , v =6789

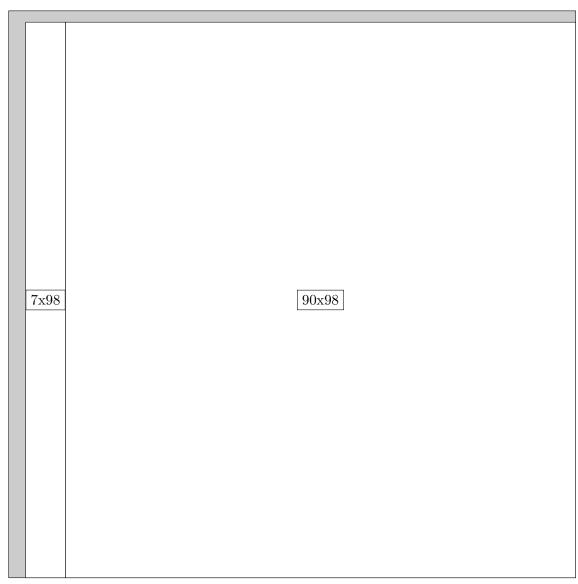


 $\le =70$, h =74 , x =30 , y =0 , v =5180

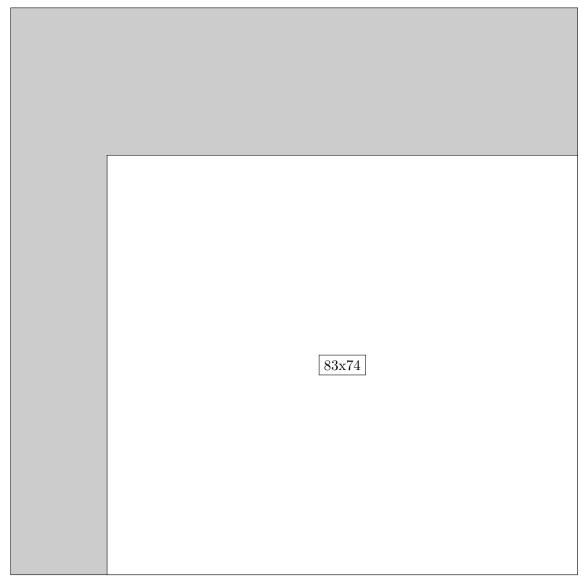


 $\le =97$, h =81 , x =3 , y =0 , v =7857

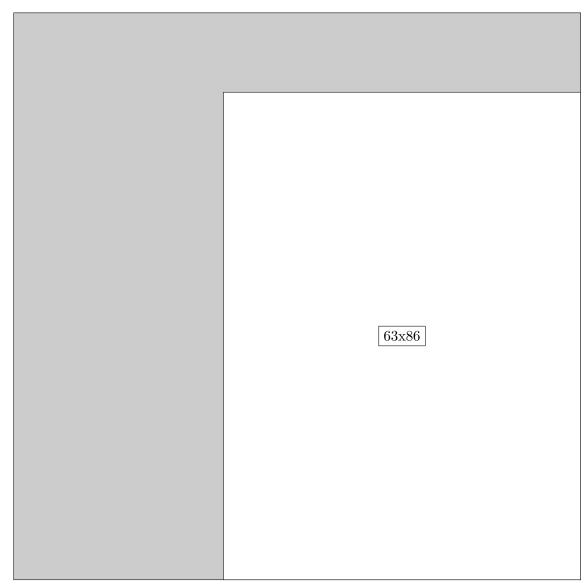




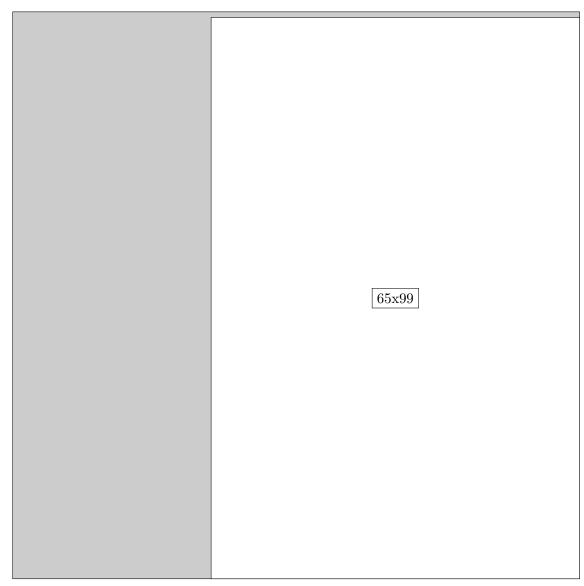
 $\begin{array}{l} w = \! 90 \ , \ h = \! 98 \ , \ x = \! 10 \ , \ y = \! 0 \ , \ v = \! 8820 \\ w = \! 7 \ , \ h = \! 98 \ , \ x = \! 3 \ , \ y = \! 0 \ , \ v = \! 686 \end{array}$



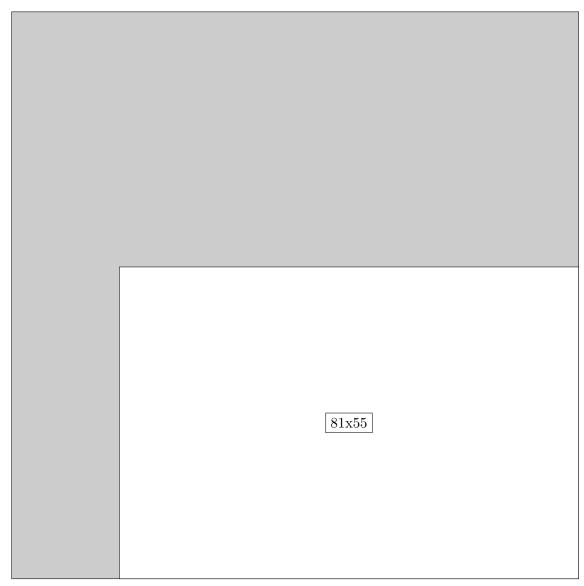
 $\le =83$, h =74 , x =17 , y =0 , v =6142



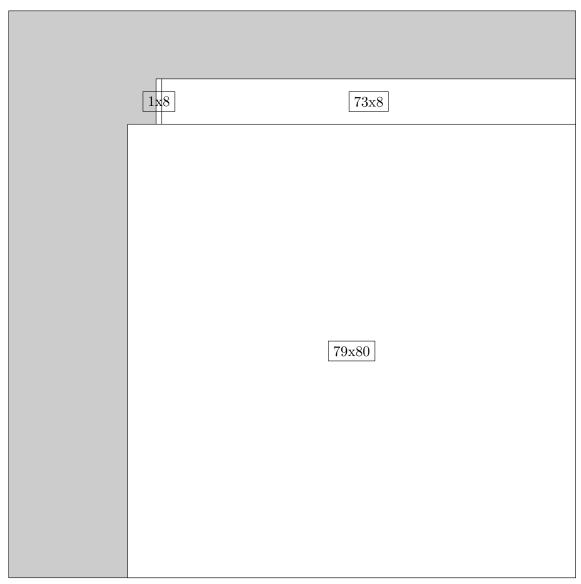
 $\le =63$, h =86 , x =37 , y =0 , v =5418



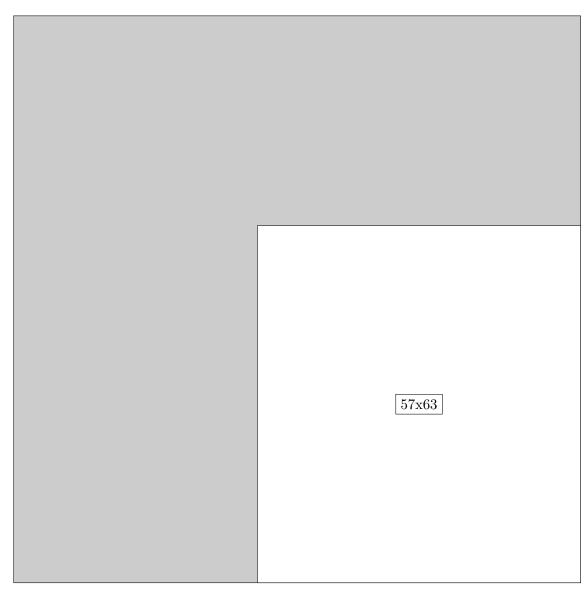
 $\le =65$, h =99 , x =35 , y =0 , v =6435



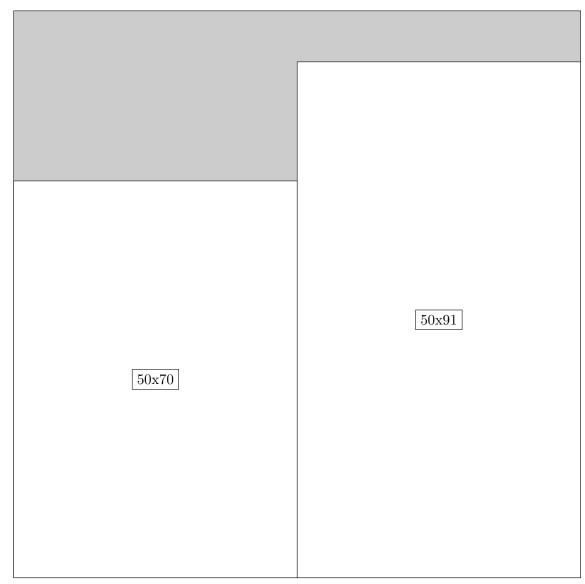
 $\le =81$, h =55 , x =19 , y =0 , v =4455



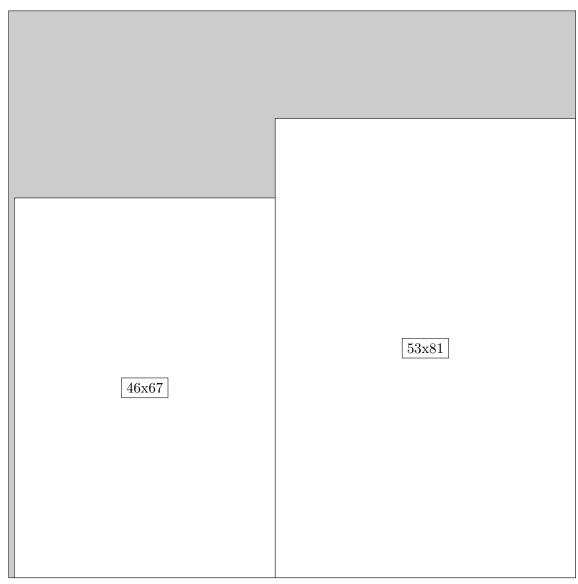
$$\begin{array}{l} w = 79 \ , \ h = 80 \ , \ x = 21 \ , \ y = 0 \ , \ v = 6320 \\ w = 73 \ , \ h = 8 \ , \ x = 27 \ , \ y = 80 \ , \ v = 584 \\ w = 1 \ , \ h = 8 \ , \ x = 26 \ , \ y = 80 \ , \ v = 8 \end{array}$$



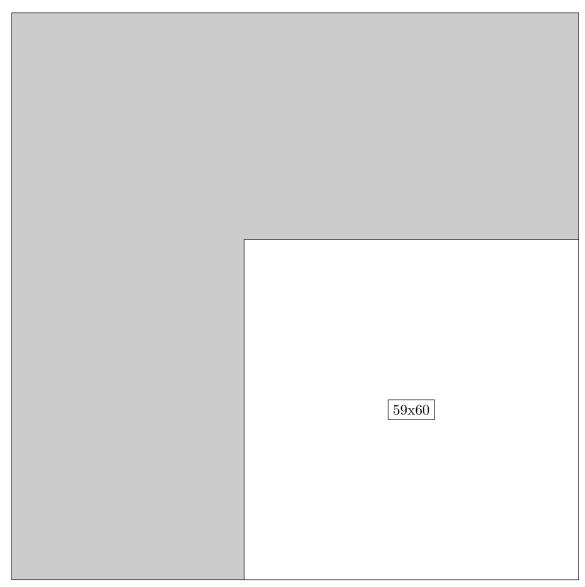
 $\le =57$, h =63 , x =43 , y =0 , v =3591



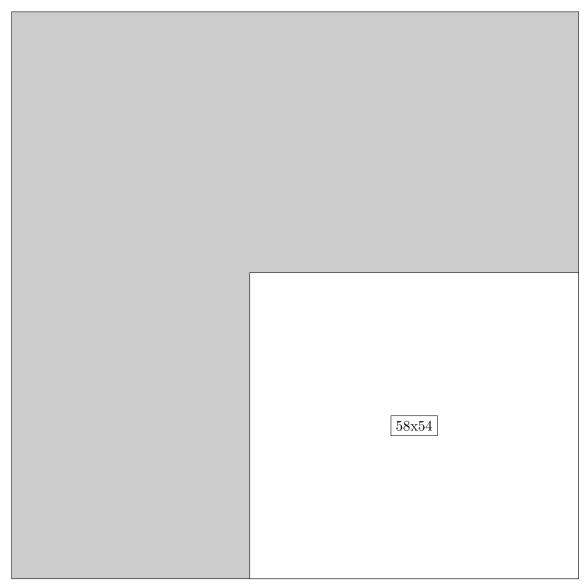
$$\begin{array}{l} w = \! 50 \ , \ h = \! 91 \ , \ x = \! 50 \ , \ y = \! 0 \ , \ v = \! 4550 \\ w = \! 50 \ , \ h = \! 70 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 3500 \end{array}$$



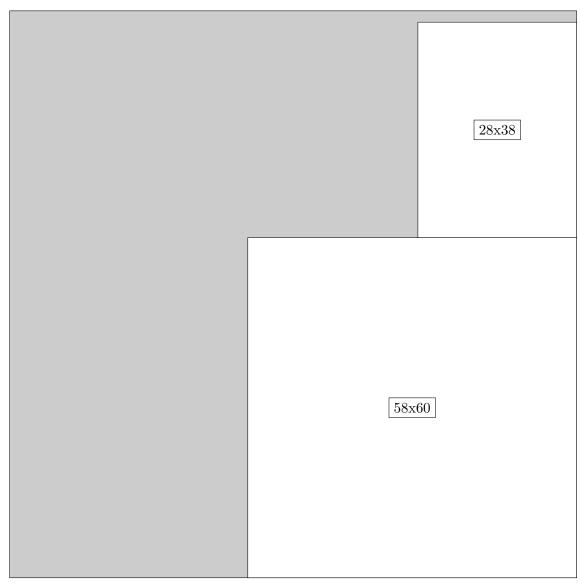
$$\begin{array}{l} w = \!\! 53 \ , \ h = \!\! 81 \ , \ x = \!\! 47 \ , \ y = \!\! 0 \ , \ v = \!\! 4293 \\ w = \!\! 46 \ , \ h = \!\! 67 \ , \ x = \!\! 1 \ , \ y = \!\! 0 \ , \ v = \!\! 3082 \end{array}$$



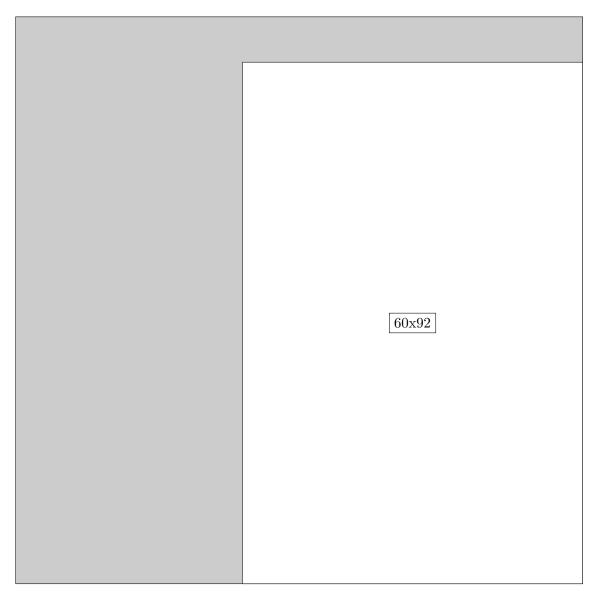
 $\le =59$, h =60 , x =41 , y =0 , v =3540



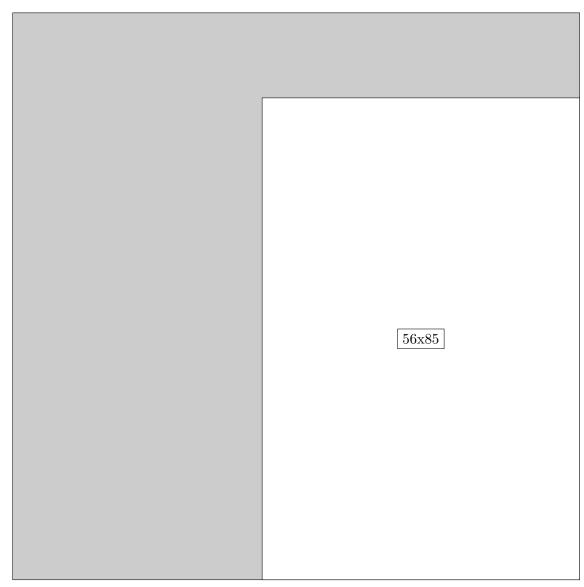
 $\le =58$, h =54 , x =42 , y =0 , v =3132



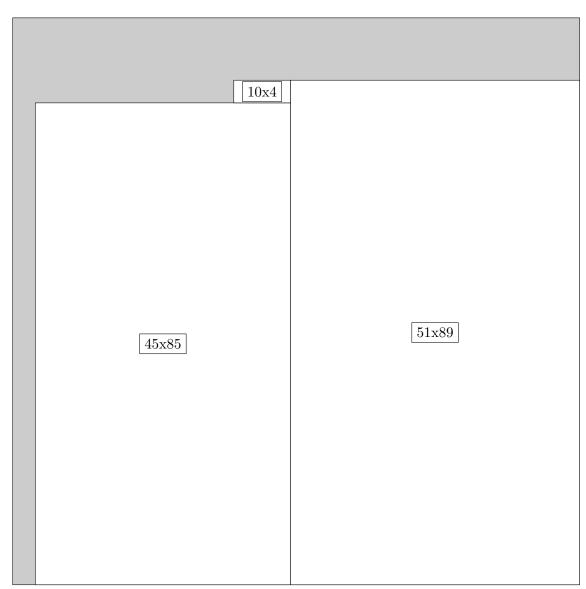
$$\begin{array}{l} w = \! 58 \; , \; h = \! 60 \; , \; x = \! 42 \; , \; y = \! 0 \; , \; v = \! 3480 \\ w = \! 28 \; , \; h = \! 38 \; , \; x = \! 72 \; , \; y = \! 60 \; , \; v = \! 1064 \end{array}$$



 $\le =60$, h =92 , x =40 , y =0 , v =5520



 $\le =56$, h = 85 , x = 44 , y = 0 , v = 4760



$$\le =51$$
 , $\le =89$, $\ge =49$, y =0 , v =4539

$$\le =45$$
 , h =85 , x =4 , y =0 , v =3825

$$\le =10$$
 , h =4 , x =39 , y =85 , v =40