$ClassName: {\bf Class_09.2bp\text{-}31}$

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

TypeNum: <u>80</u> Num: <u>80</u> OutS: <u>580000</u> InS: <u>360266</u> Rate: <u>0.621</u> UB: <u>58</u> LB0: <u>58</u> LB: <u>58</u>

LBWithCut: $\underline{\mathbf{58}}$ NodeCut: $\underline{\mathbf{0}}$

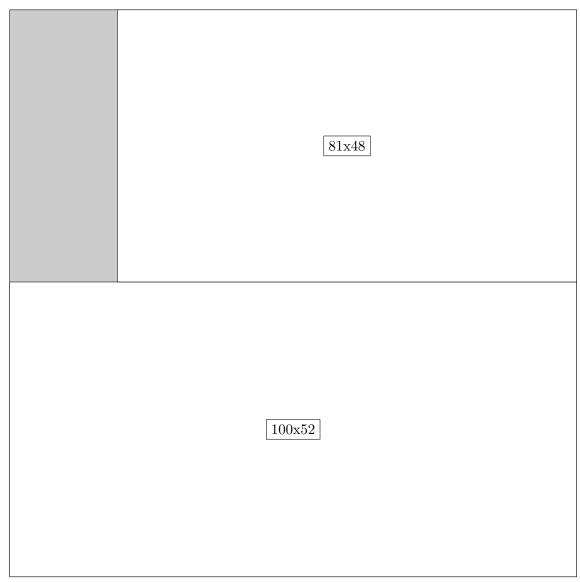
ExtendedNodeCnt: $\underline{\mathbf{1}}$

GenNodeCnt: $\underline{\mathbf{1}}$ PrimalNode: $\underline{\mathbf{0}}$ ColumnCount: $\underline{\mathbf{58}}$ TotalCutCount: $\underline{\mathbf{0}}$ RootCutCount: $\underline{\mathbf{0}}$ LPSolverCnt: $\underline{\mathbf{1}}$ PricingSolverCnt: $\underline{\mathbf{0}}$ BranchAndBoundNum: $\underline{\mathbf{1}}$

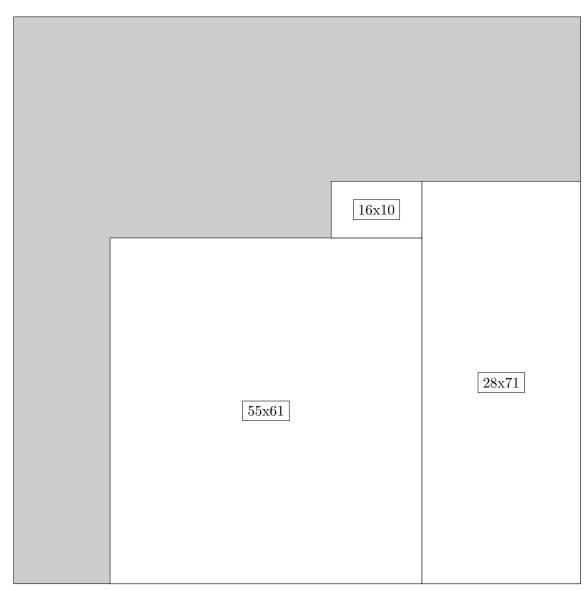
isOpt: $\underline{\mathbf{true}}$

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

TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.078 sTotalTime: 600.328 s



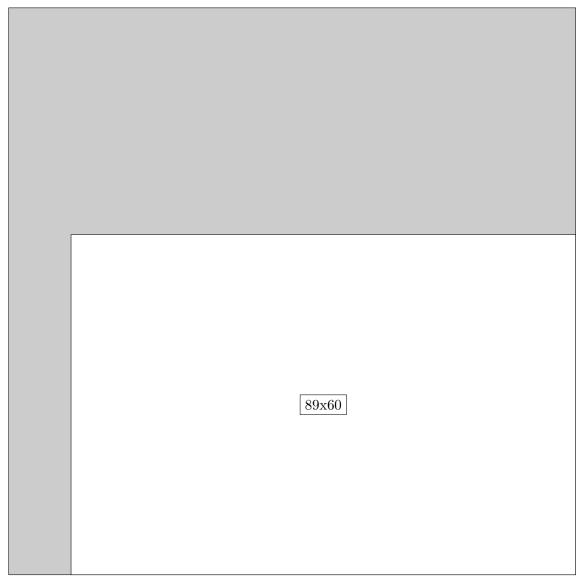
w =100 , h =52 , x =0 , y =0 , v =5200 w =81 , h =48 , x =19 , y =52 , v =3888



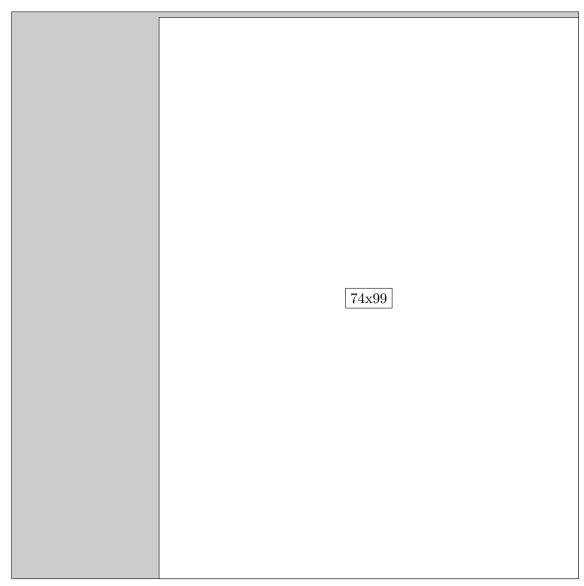
$$\mathbf{w}$$
 =28 , h =71 , x =72 , y =0 , v =1988

$$\le =55$$
 , h =61 , x =17 , y =0 , v =3355

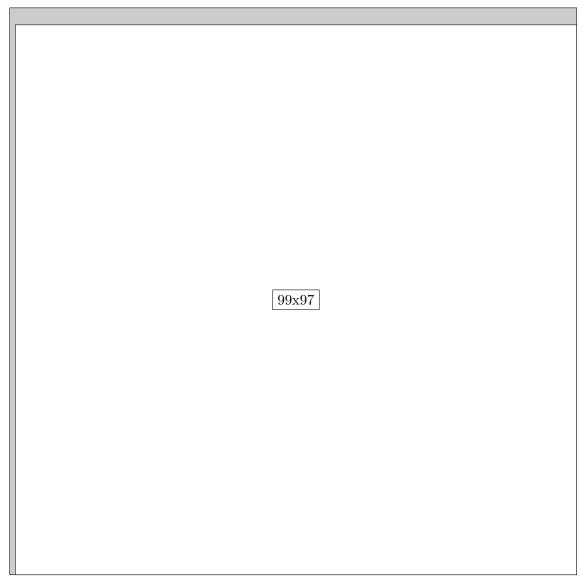
$$\le =16$$
 , $h=10$, $x=\!56$, $y=\!61$, $v=\!160$



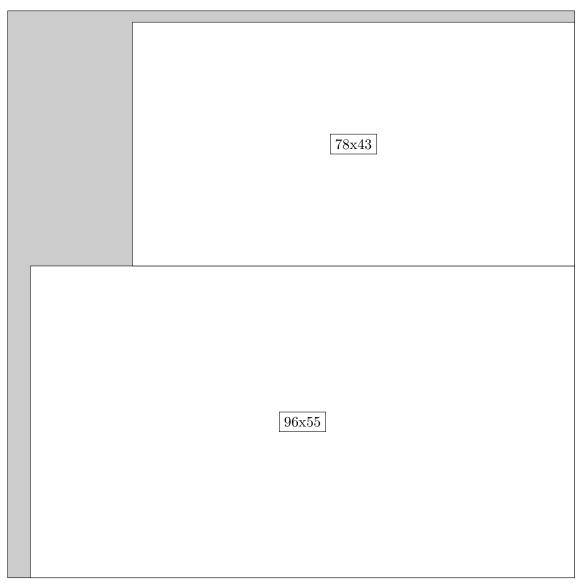
 $\le =89$, h =60 , x =11 , y =0 , v =5340



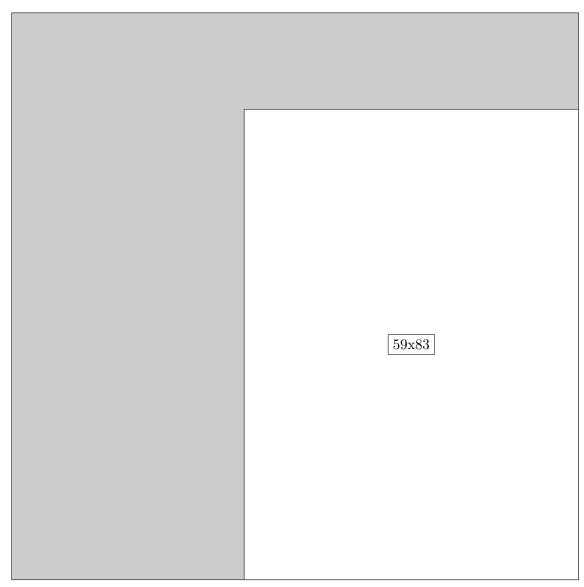
 $\le =74$, h =99 , x =26 , y =0 , v =7326



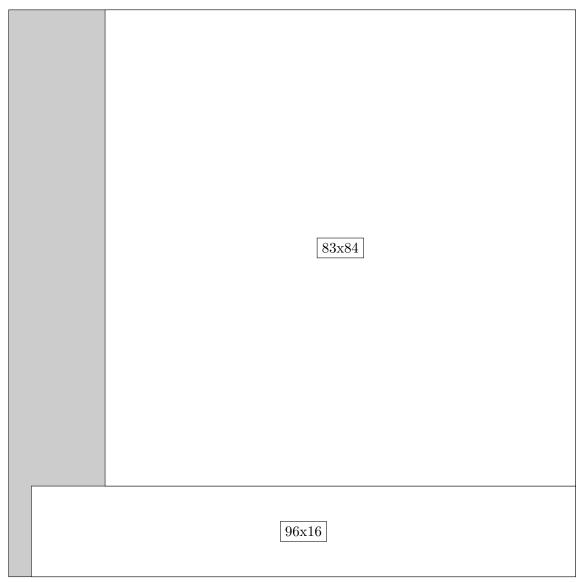
 $\le =99$, h =97 , x =1 , y =0 , v = 9603



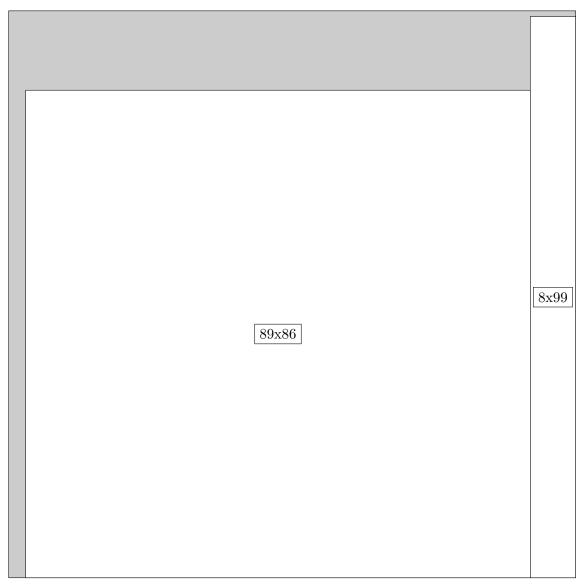
$$\begin{array}{l} w = 96 \; , \; h = \!\! 55 \; , \; x = \!\! 4 \; , \; y = \!\! 0 \; , \; v = \!\! 5280 \\ w = \!\! 78 \; , \; h = \!\! 43 \; , \; x = \!\! 22 \; , \; y = \!\! 55 \; , \; v = \!\! 3354 \\ \end{array}$$



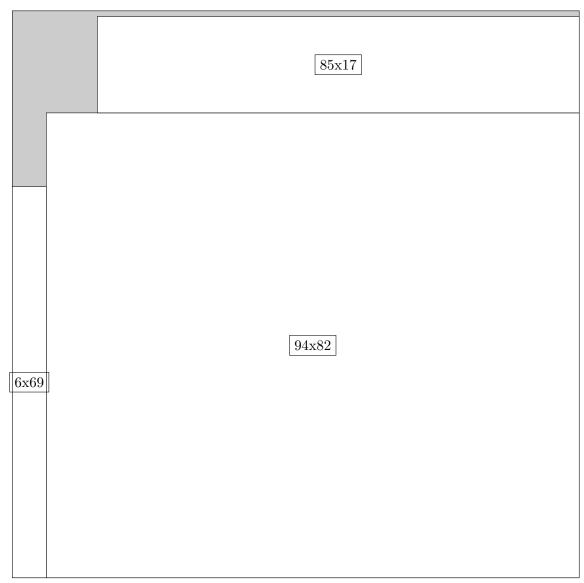
 $\le =59$, h =83 , x =41 , y =0 , v =4897



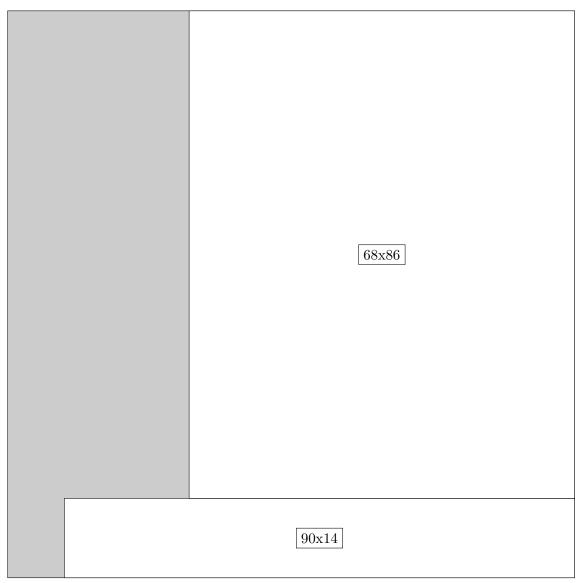
$$\begin{array}{l} w = \! 96 \; , \; h = \! 16 \; , \; x = \! 4 \; , \; y = \! 0 \; , \; v = \! 1536 \\ w = \! 83 \; , \; h = \! 84 \; , \; x = \! 17 \; , \; y = \! 16 \; , \; v = \! 6972 \end{array}$$



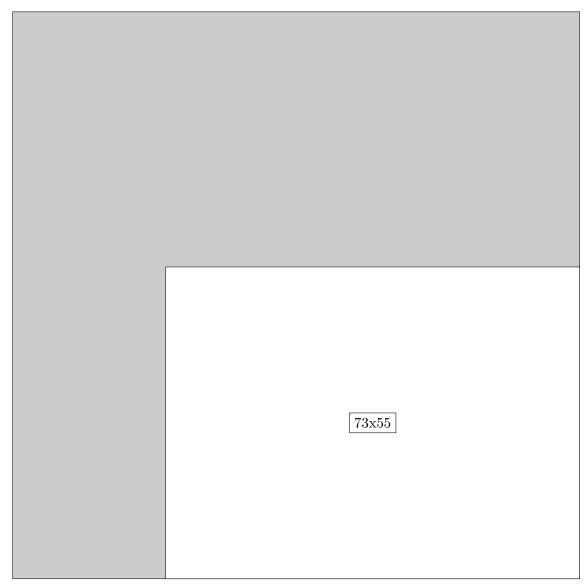
$$\begin{array}{l} w = 8 \ , \ h = \! 99 \ , \ x = \! 92 \ , \ y = \! 0 \ , \ v = \! 792 \\ w = \! 89 \ , \ h = \! 86 \ , \ x = \! 3 \ , \ y = \! 0 \ , \ v = \! 7654 \end{array}$$



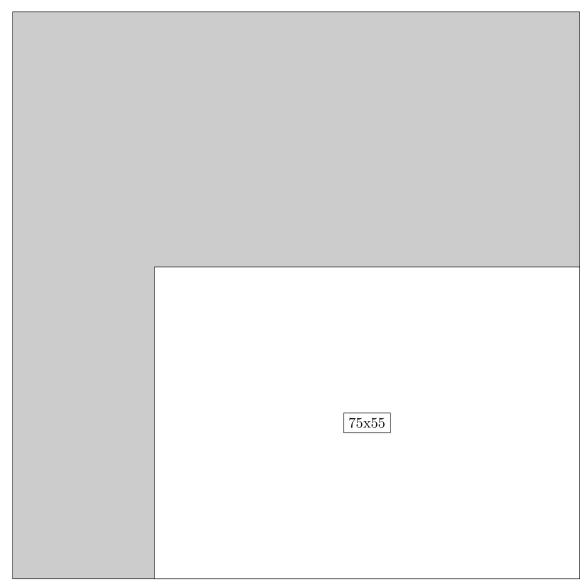
$$\begin{array}{l} w = \! 94 \; , \; h = \! 82 \; , \; x = \! 6 \; , \; y = \! 0 \; , \; v = \! 7708 \\ w = \! 85 \; , \; h = \! 17 \; , \; x = \! 15 \; , \; y = \! 82 \; , \; v = \! 1445 \\ w = \! 6 \; , \; h = \! 69 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 414 \end{array}$$



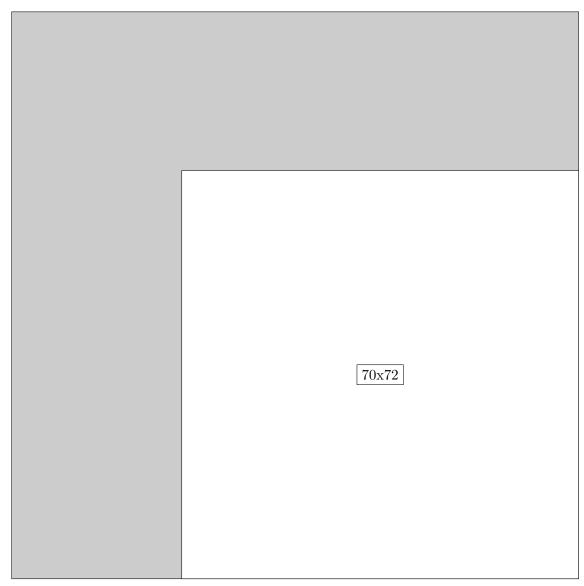
$$\begin{array}{l} w = \! 90 \ , \, h = \! 14 \ , \, x = \! 10 \ , \, y = \! 0 \ , \, v = \! 1260 \\ w = \! 68 \ , \, h = \! 86 \ , \, x = \! 32 \ , \, y = \! 14 \ , \, v = \! 5848 \end{array}$$



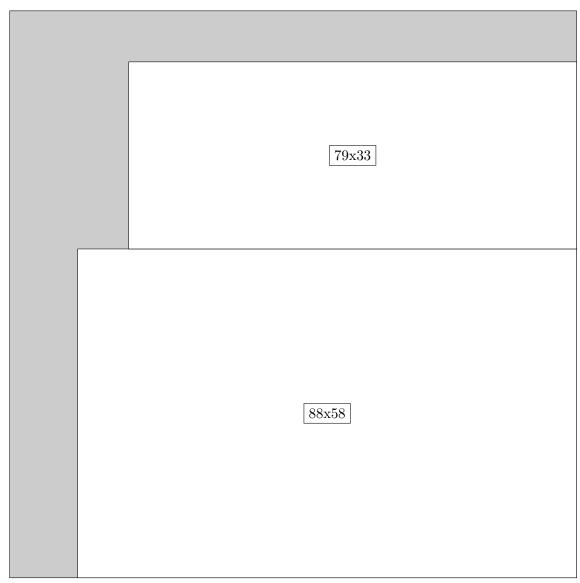
 $\le =73$, h =55 , x =27 , y =0 , v =4015



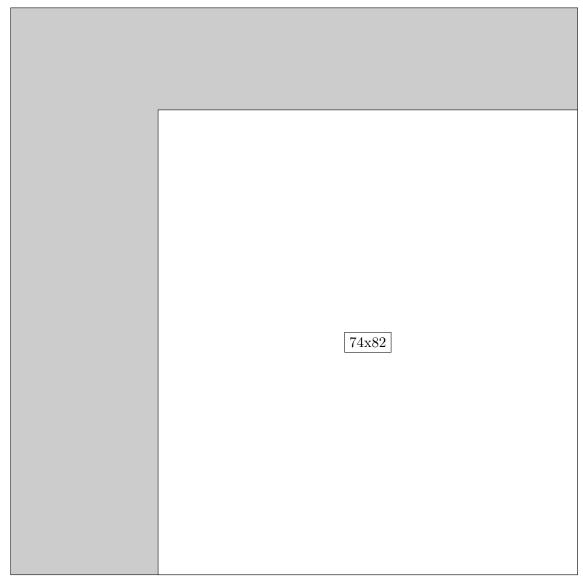
 $\le =75$, h = 55 , x = 25 , y = 0 , v = 4125



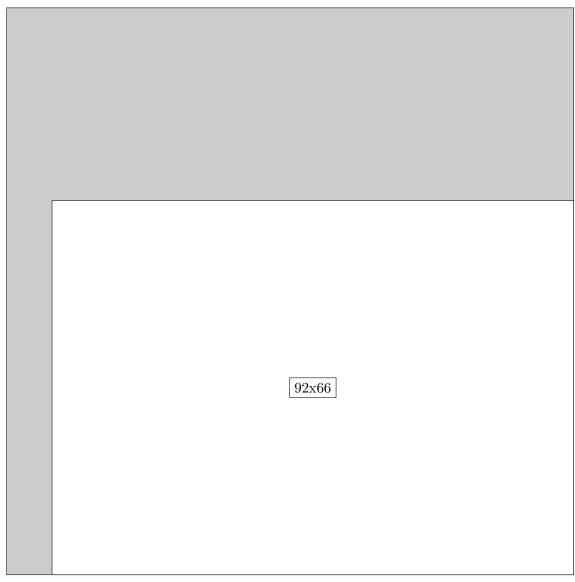
 $\le =70$, h =72 , x =30 , y =0 , v =5040



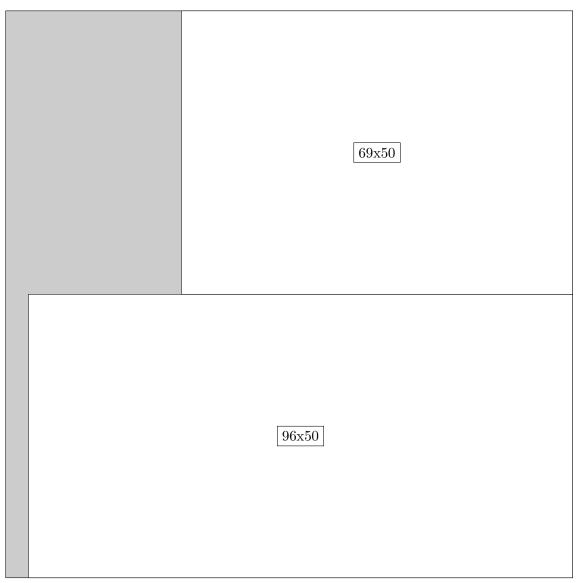
$$\begin{array}{l} w = \! 88 \ , \, h = \! 58 \ , \, x = \! 12 \ , \, y = \! 0 \ , \, v = \! 5104 \\ w = \! 79 \ , \, h = \! 33 \ , \, x = \! 21 \ , \, y = \! 58 \ , \, v = \! 2607 \end{array}$$



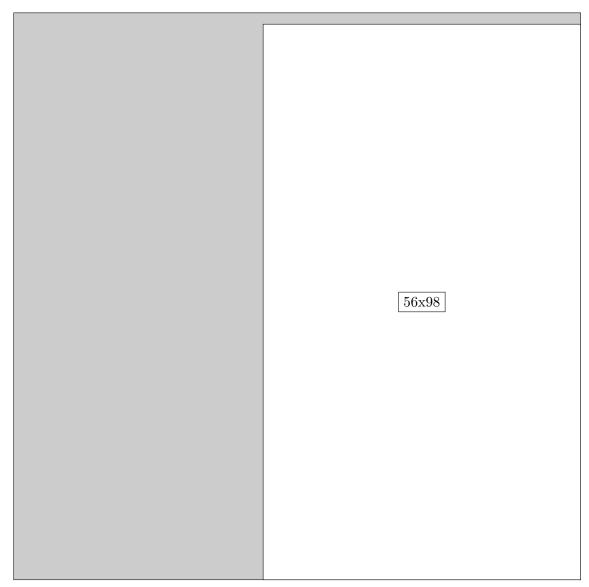
 $\le =74$, h =82 , x =26 , y =0 , v =6068



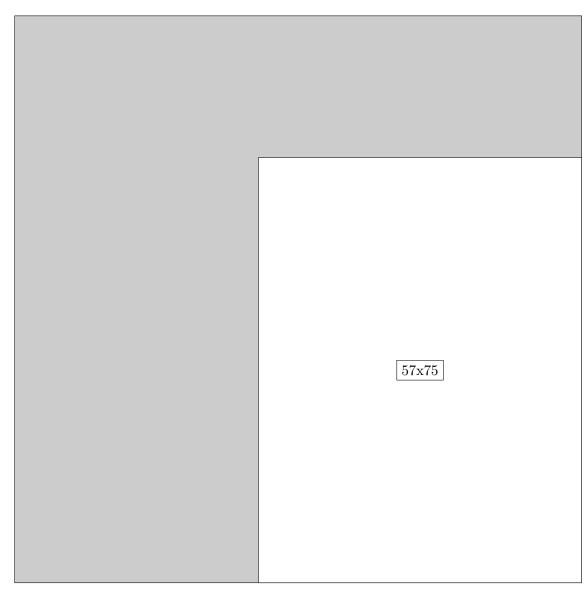
 ≤ -92 , h =66 , x =8 , y =0 , v =6072



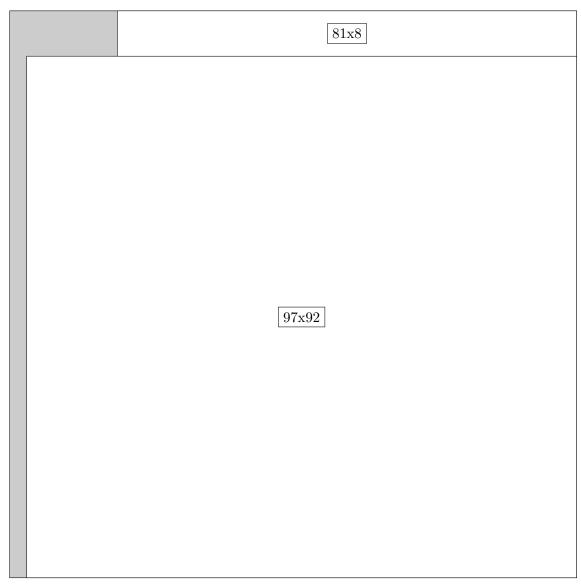
$$\begin{array}{l} w = \! 96 \; , \; h = \! 50 \; , \; x = \! 4 \; , \; y = \! 0 \; , \; v = \! 4800 \\ w = \! 69 \; , \; h = \! 50 \; , \; x = \! 31 \; , \; y = \! 50 \; , \; v = \! 3450 \\ \end{array}$$

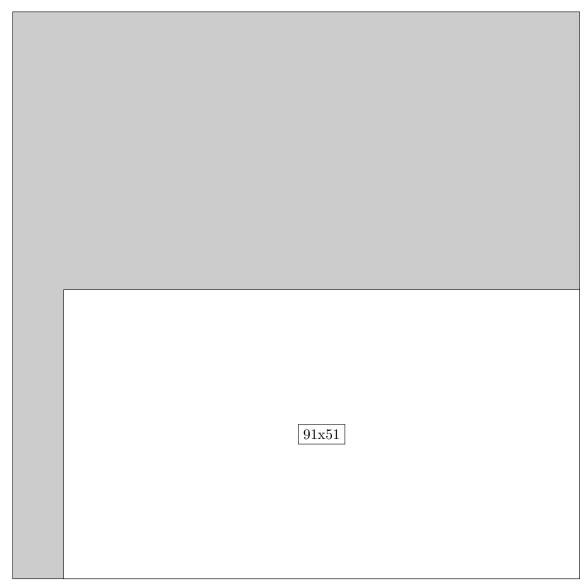


 $\le =56$, h =98 , x =44 , y =0 , v =5488

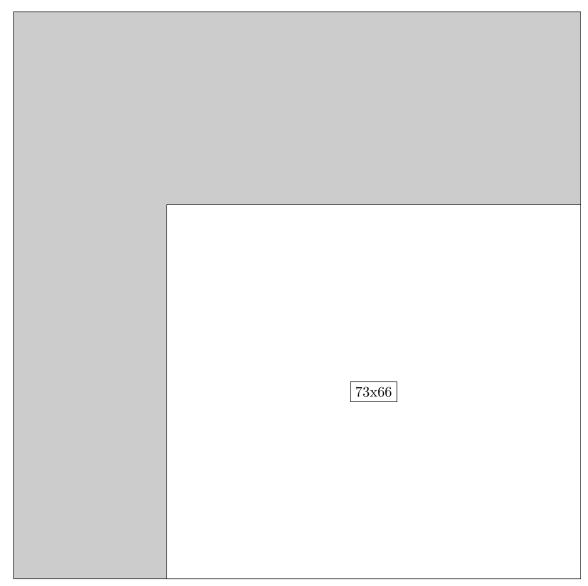


 ≤ 57 , h = 75 , x = 43 , y = 0 , v = 4275

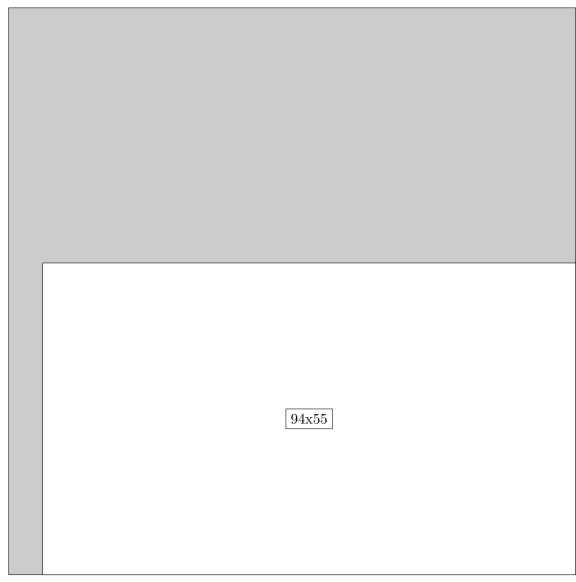




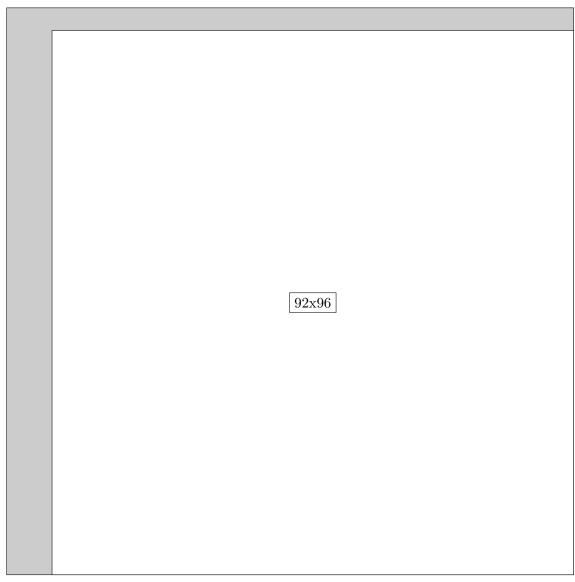
 \mathbf{w} =91 , h =51 , x =9 , y =0 , v =4641



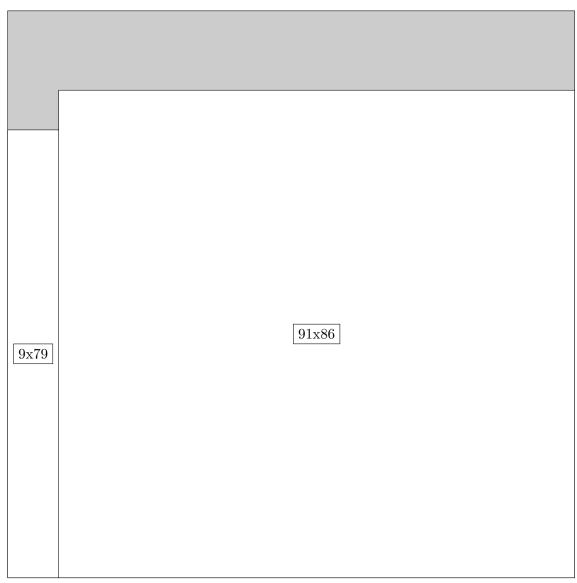
 $\le =73$, h =66 , x =27 , y =0 , v =4818



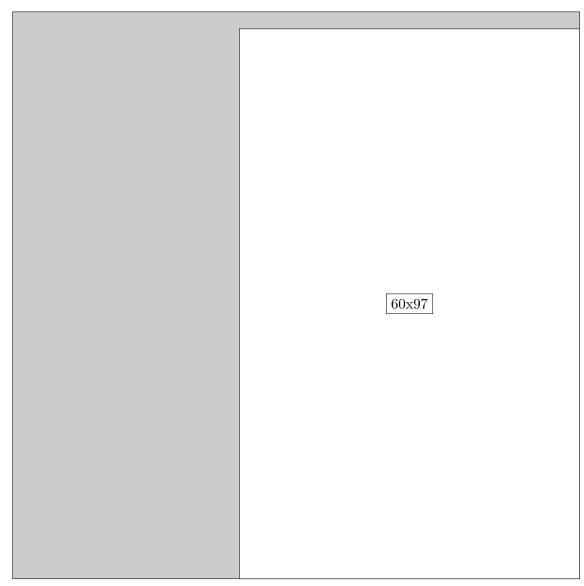
 $\le =94$, h =55 , x =6 , y =0 , v =5170



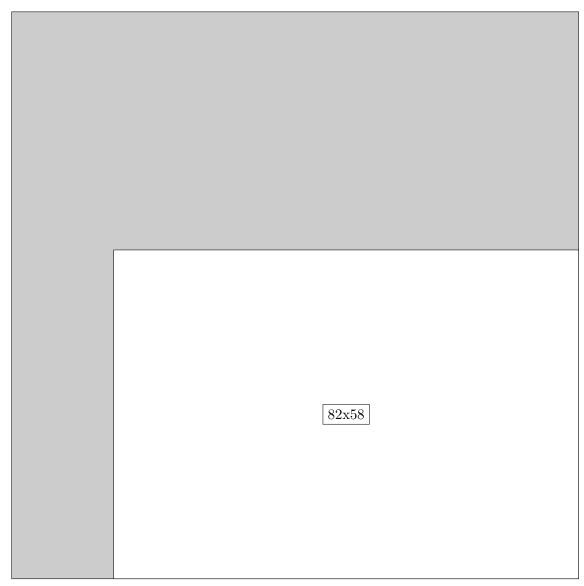
 $\le =92$, h =96 , x =8 , y =0 , v =8832



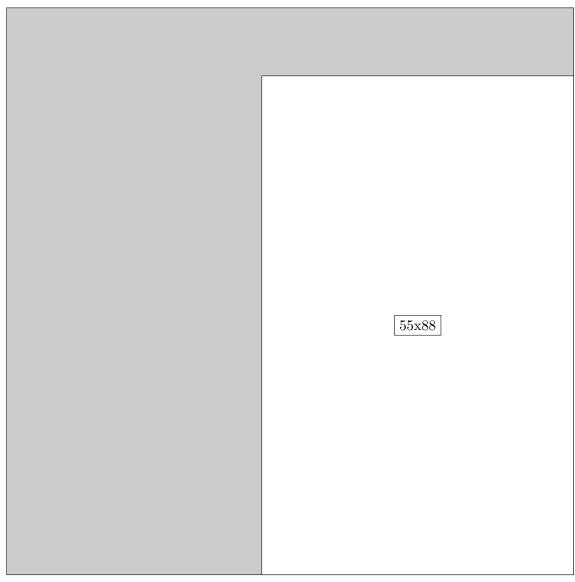
w =91, h =86, x =9, y =0, v =7826 w =9, h =79, x =0, y =0, v =711



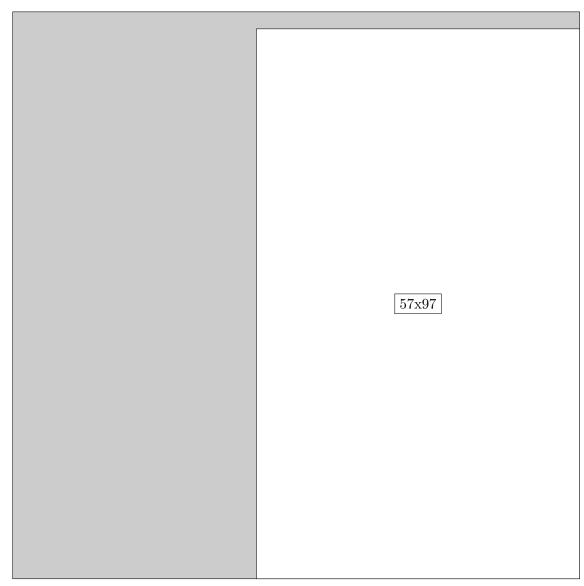
 $\le =60$, h =97 , x =40 , y =0 , v =5820



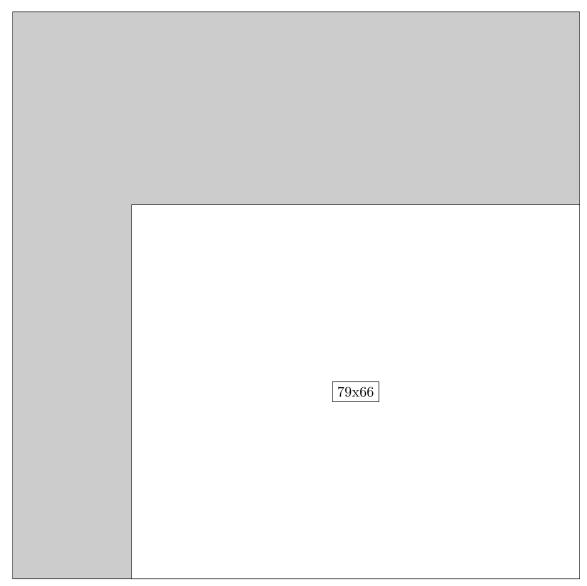
 $\le =82$, h =58 , x =18 , y =0 , v =4756



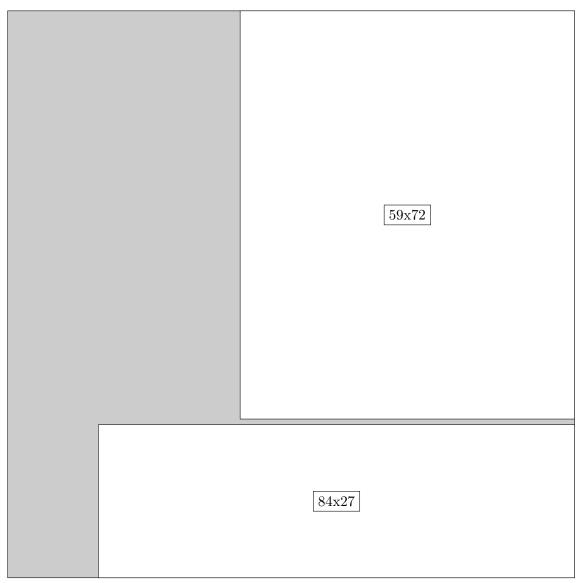
 $\le =55$, h =88 , x =45 , y =0 , v =4840



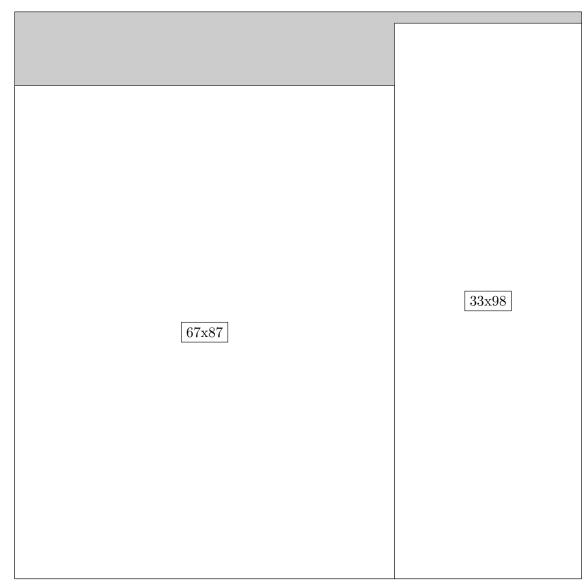
 $\le =57$, h =97 , x =43 , y =0 , v =5529



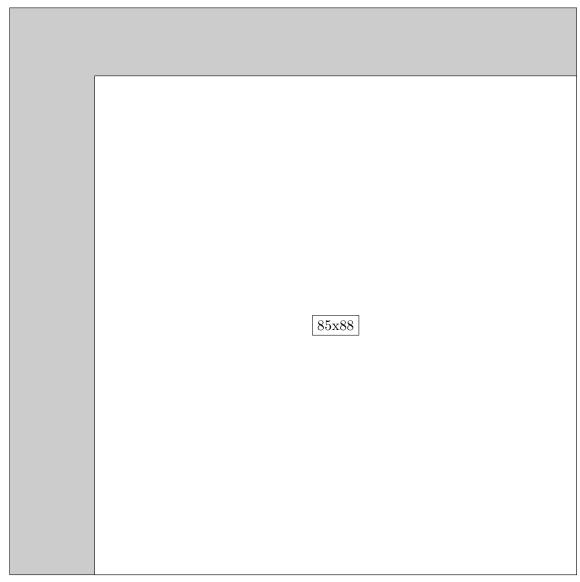
 $\le =79$, h =66 , x =21 , y =0 , v =5214



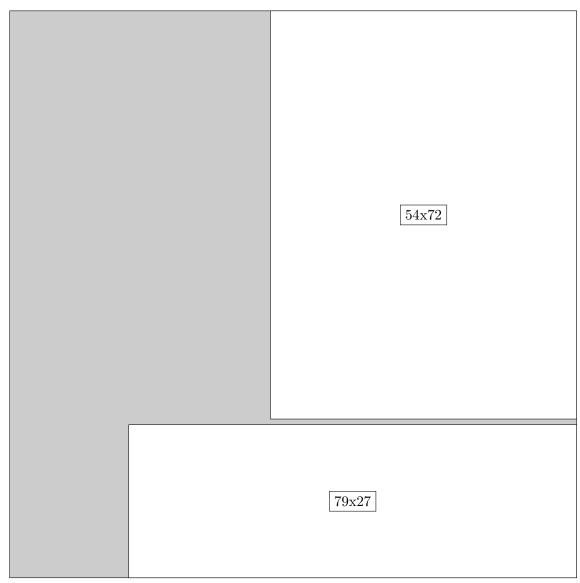
$$\begin{array}{l} w = \! 84 \ , \, h = \! 27 \ , \, x = \! 16 \ , \, y = \! 0 \ , \, v = \! 2268 \\ w = \! 59 \ , \, h = \! 72 \ , \, x = \! 41 \ , \, y = \! 28 \ , \, v = \! 4248 \end{array}$$



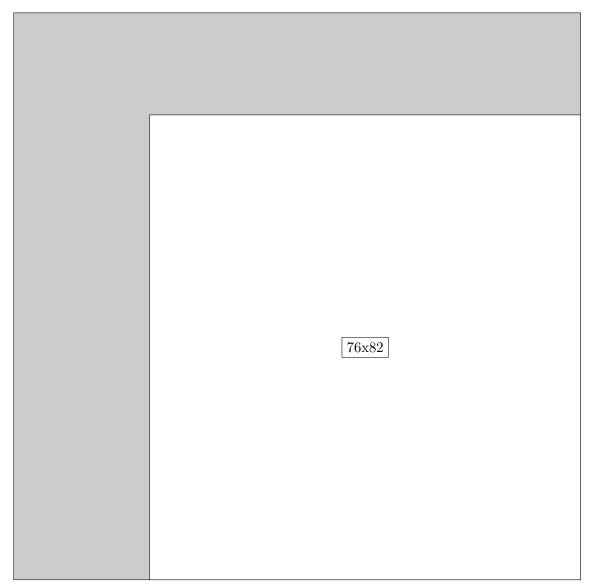
$$\begin{array}{l} w = \! 33 \ , \ h = \! 98 \ , \ x = \! 67 \ , \ y = \! 0 \ , \ v = \! 3234 \\ w = \! 67 \ , \ h = \! 87 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 5829 \end{array}$$



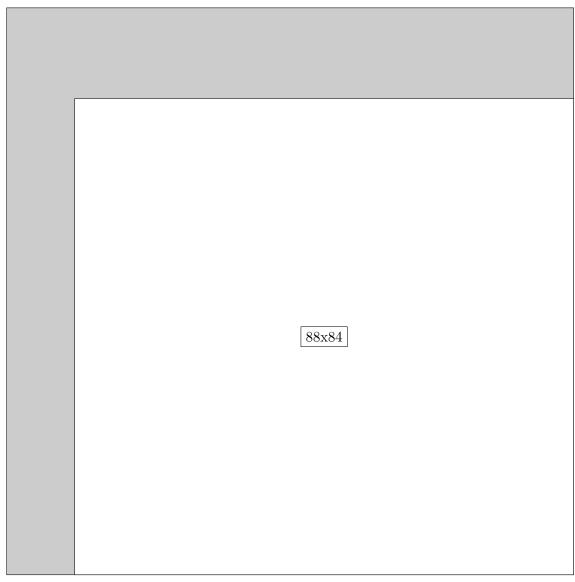
 $\le =85$, h =88 , x =15 , y =0 , v =7480



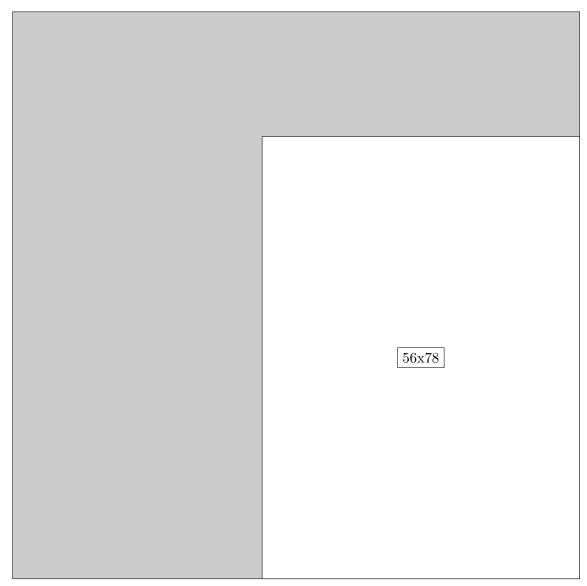
$$\begin{array}{l} w = 79 \ , \ h = 27 \ , \ x = 21 \ , \ y = 0 \ , \ v = 2133 \\ w = 54 \ , \ h = 72 \ , \ x = 46 \ , \ y = 28 \ , \ v = 3888 \end{array}$$



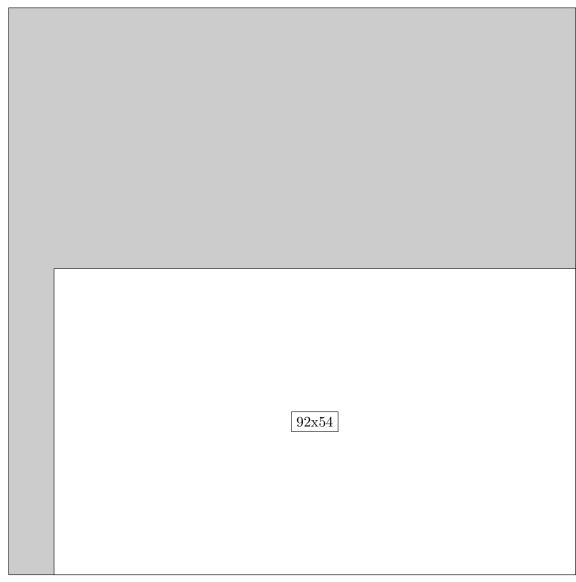
 $\le =76$, h =82 , x =24 , y =0 , v =6232



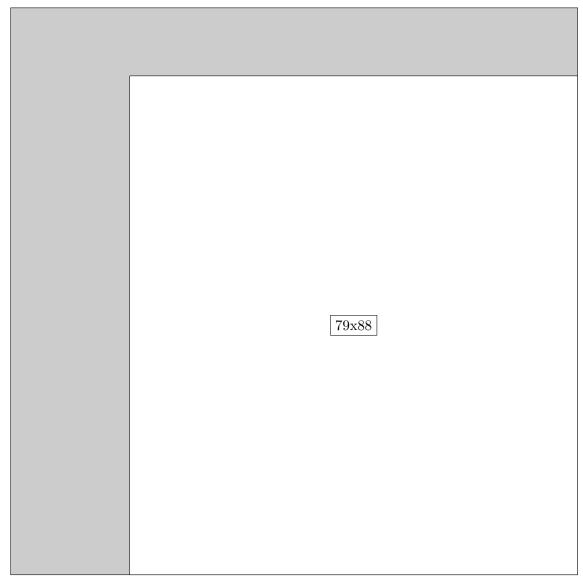
 $\le =88$, h =84 , x =12 , y =0 , v =7392



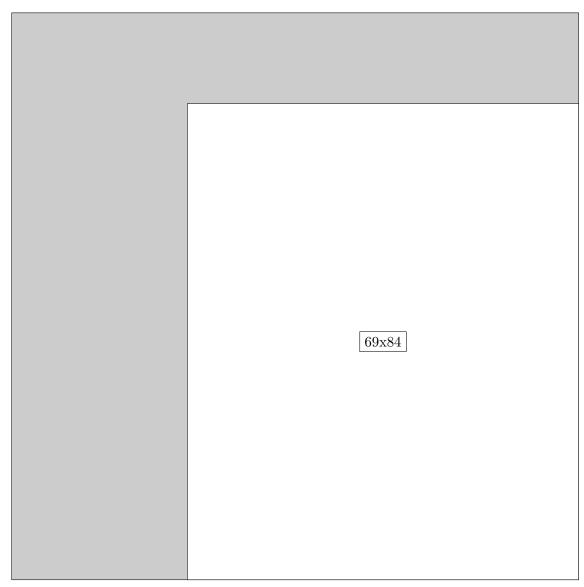
 $\le =56$, h=78 , x=44 , y=0 , v=4368



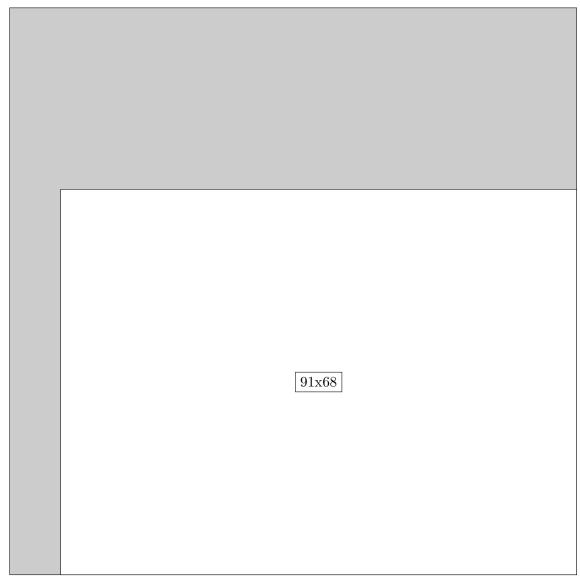
 $\le =92$, h =54 , x =8 , y =0 , v =4968



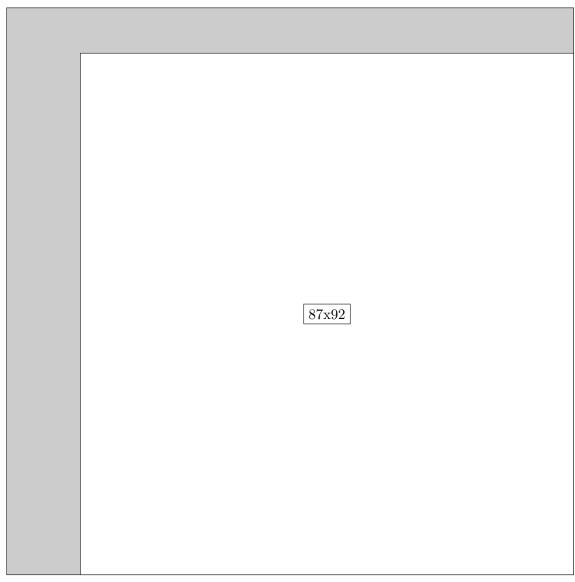
 $\le =79$, h =88 , x =21 , y =0 , v =6952



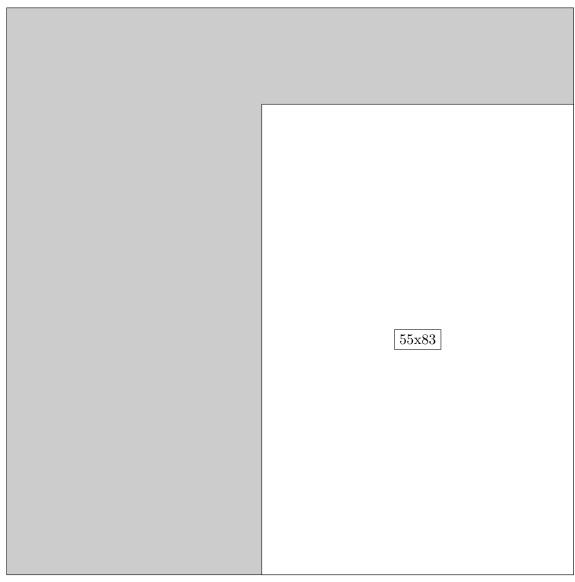
 $\le =69$, h =84 , x =31 , y =0 , v =5796



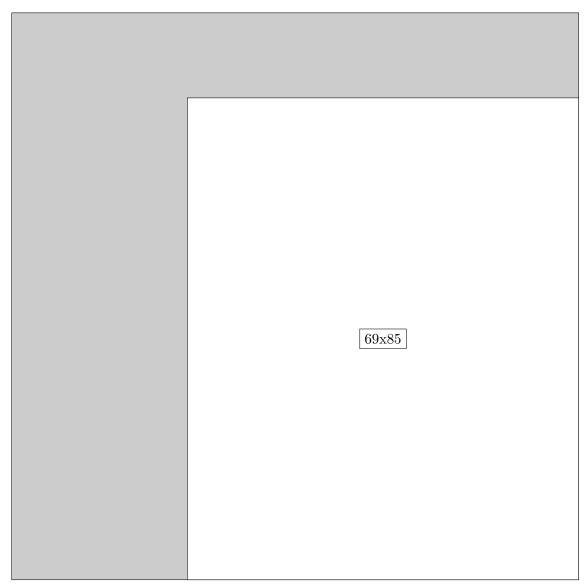
 $\le =91$, h =68 , x =9 , y =0 , v =6188



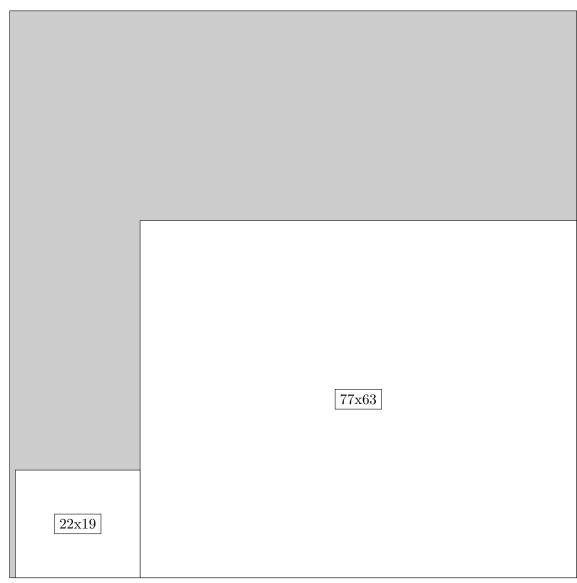
 $\le =87$, h =92 , x =13 , y =0 , v = 8004

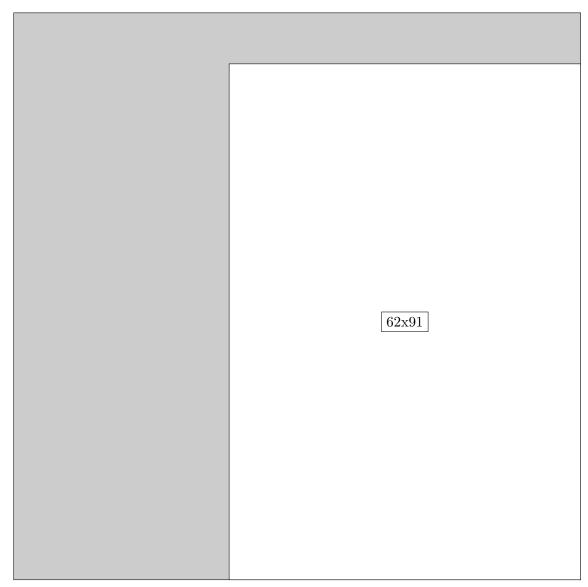


 $\le =55$, h =83 , x =45 , y =0 , v =4565

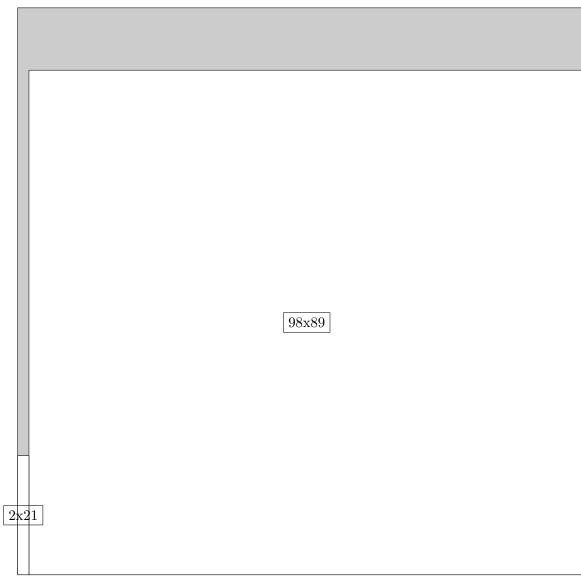


 $\le =69$, h =85 , x =31 , y =0 , v =5865

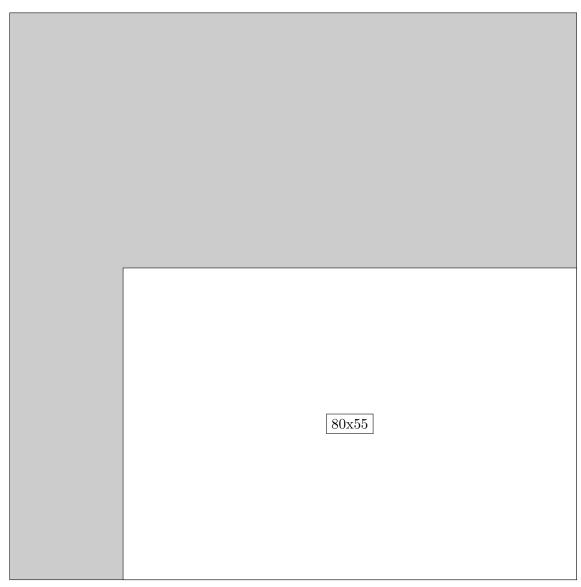




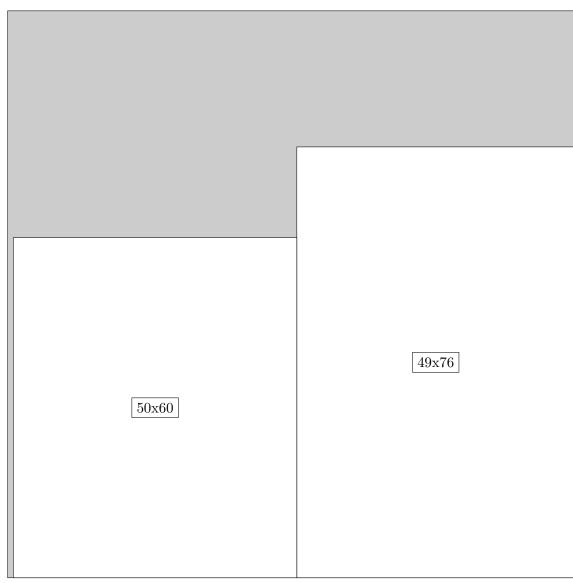
 $\le =62$, h =91 , x =38 , y =0 , v = 5642



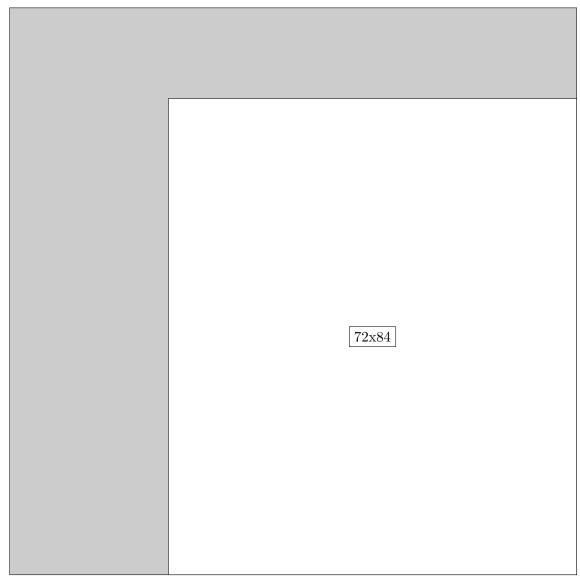
 $\begin{array}{l} w = \! 98 \ , \, h = \! 89 \ , \, x = \! 2 \ , \, y = \! 0 \ , \, v = \! 8722 \\ w = \! 2 \ , \, h = \! 21 \ , \, x = \! 0 \ , \, y = \! 0 \ , \, v = \! 42 \end{array}$



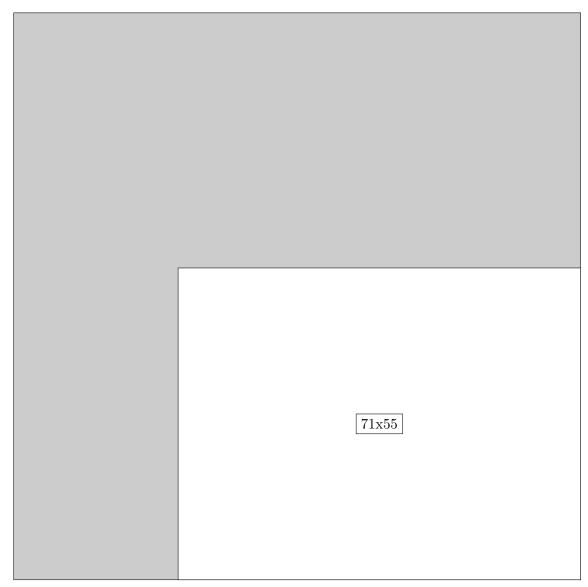
 $\le =80$, h = 55 , x = 20 , y = 0 , v = 4400



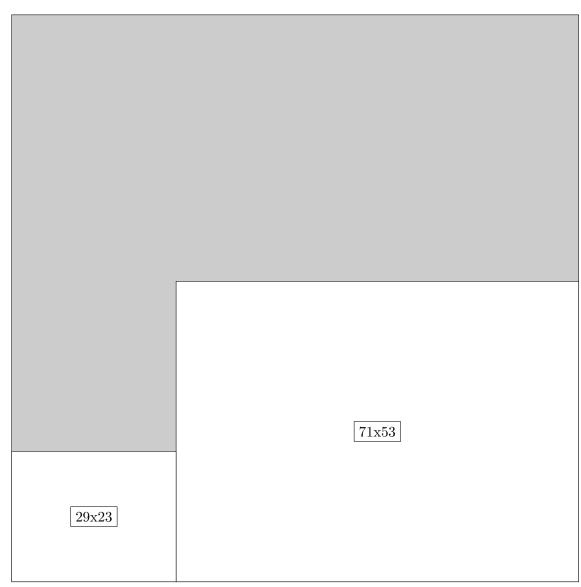
$$\begin{array}{l} w = \! 49 \ , \ h = \! 76 \ , \ x = \! 51 \ , \ y = \! 0 \ , \ v = \! 3724 \\ w = \! 50 \ , \ h = \! 60 \ , \ x = \! 1 \ , \ y = \! 0 \ , \ v = \! 3000 \end{array}$$



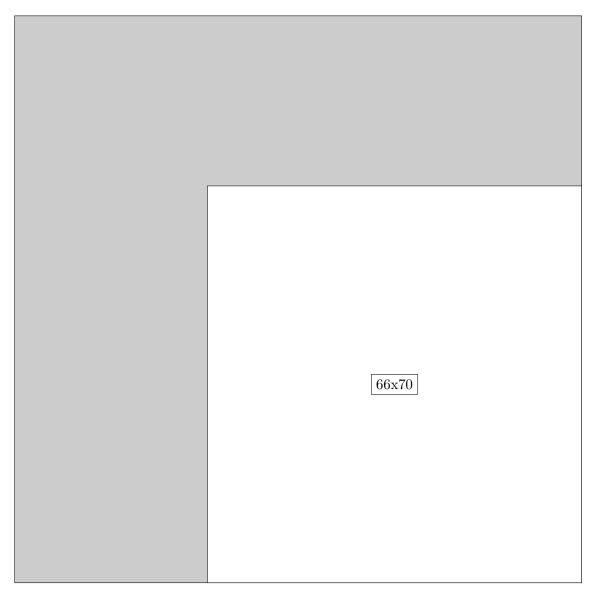
 $\le =72$, h =84 , x =28 , y =0 , v =6048



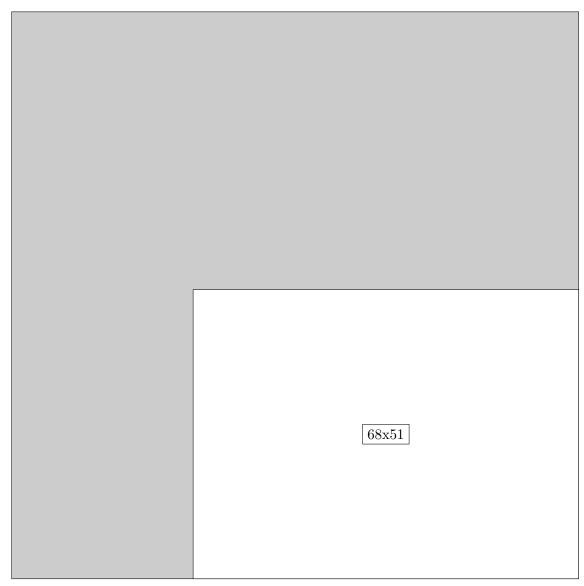
 $\le =71$, h =55 , x =29 , y =0 , v =3905



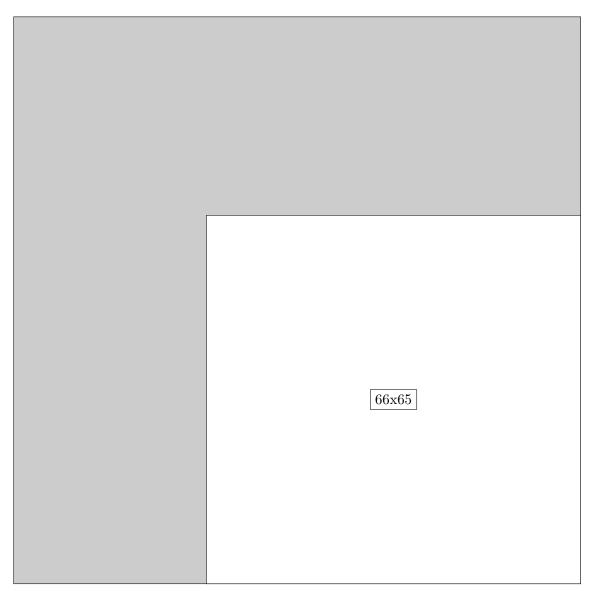
$$\begin{array}{l} w = \! 71 \ , \ h = \! 53 \ , \ x = \! 29 \ , \ y = \! 0 \ , \ v = \! 3763 \\ w = \! 29 \ , \ h = \! 23 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 667 \end{array}$$



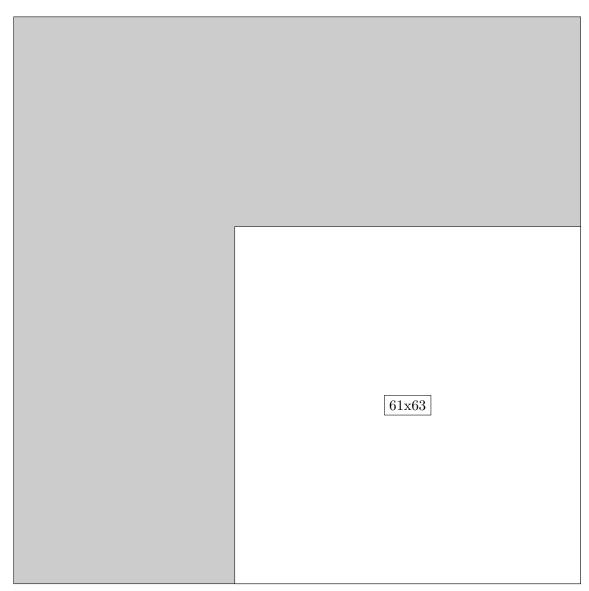
 $\le =66$, h=70 , x=34 , y=0 , v=4620



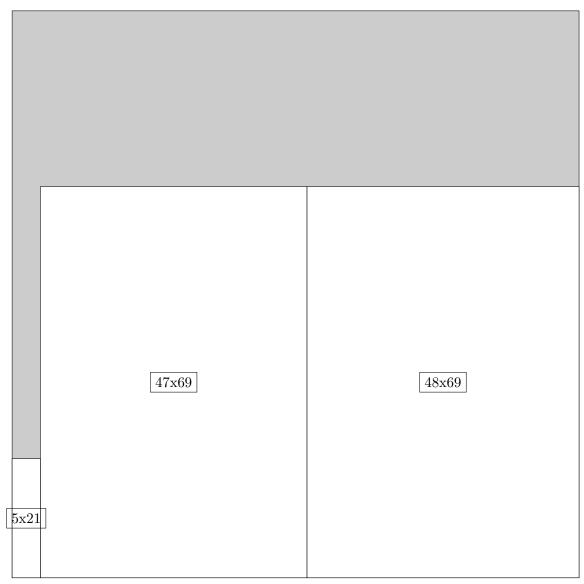
 $\le =68$, h =51 , x =32 , y =0 , v =3468



 $\le =66$, h=65 , x=34 , y=0 , v=4290



 $\le =61$, h=63 , x=39 , y=0 , v=3843



 $\begin{array}{l} w = \! 48 \ , \ h = \! 69 \ , \ x = \! 52 \ , \ y = \! 0 \ , \ v = \! 3312 \\ w = \! 47 \ , \ h = \! 69 \ , \ x = \! 5 \ , \ y = \! 0 \ , \ v = \! 3243 \\ w = \! 5 \ , \ h = \! 21 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 105 \end{array}$