$ClassName: \ Class\_09.2bp-28$ 

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

TypeNum: <u>60</u> Num: <u>60</u> OutS: <u>450000</u> InS: <u>269621</u> Rate: <u>0.599</u> UB: <u>45</u> LB0: <u>45</u>

LBWithCut:  $\underline{\mathbf{45}}$  NodeCut:  $\underline{\mathbf{0}}$ 

LB: **45** 

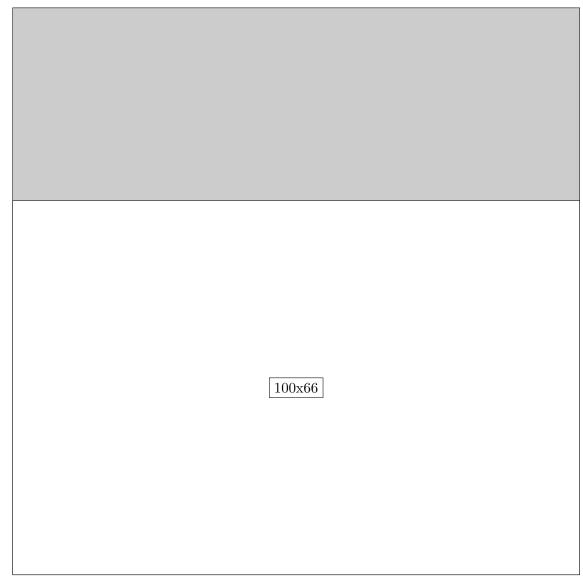
ExtendedNodeCnt:  $\underline{\mathbf{1}}$ 

GenNodeCnt:  $\underline{\mathbf{1}}$ PrimalNode:  $\underline{\mathbf{0}}$ ColumnCount:  $\underline{\mathbf{45}}$ TotalCutCount:  $\underline{\mathbf{0}}$ RootCutCount:  $\underline{\mathbf{0}}$ LPSolverCnt:  $\underline{\mathbf{1}}$ PricingSolverCnt:  $\underline{\mathbf{0}}$ BranchAndBoundNum:  $\underline{\mathbf{1}}$ 

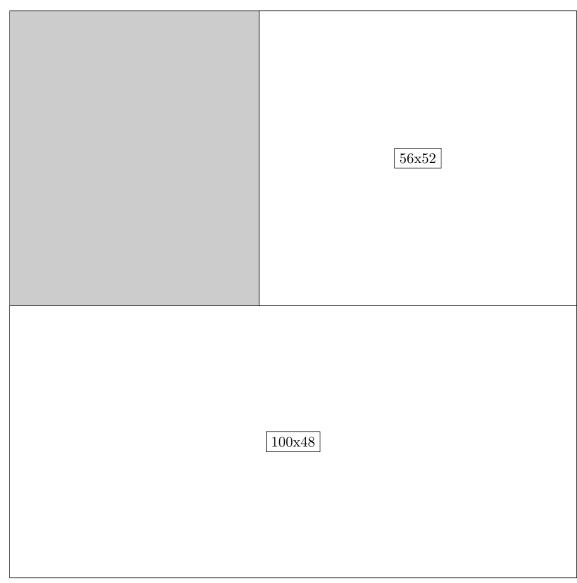
isOpt:  $\underline{\mathbf{true}}$ 

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

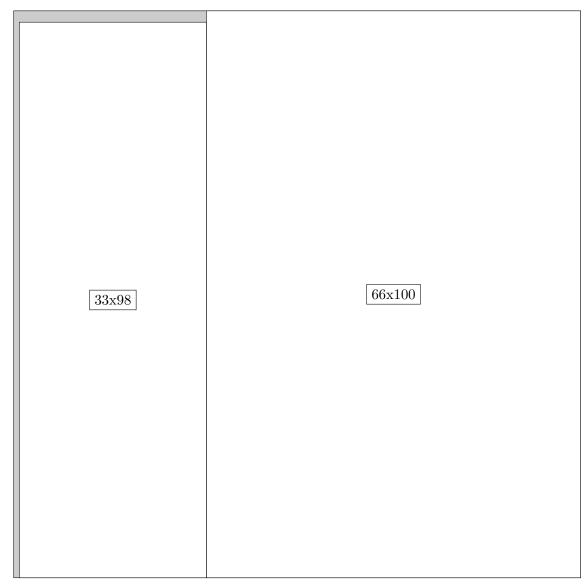
TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.063 sTotalTime: 600.297 s



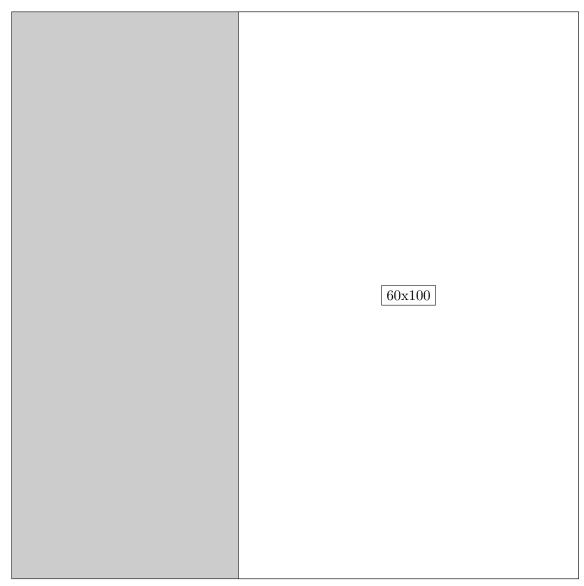
 $\le 100$  , h =66 , x =0 , y =0 , v =6600



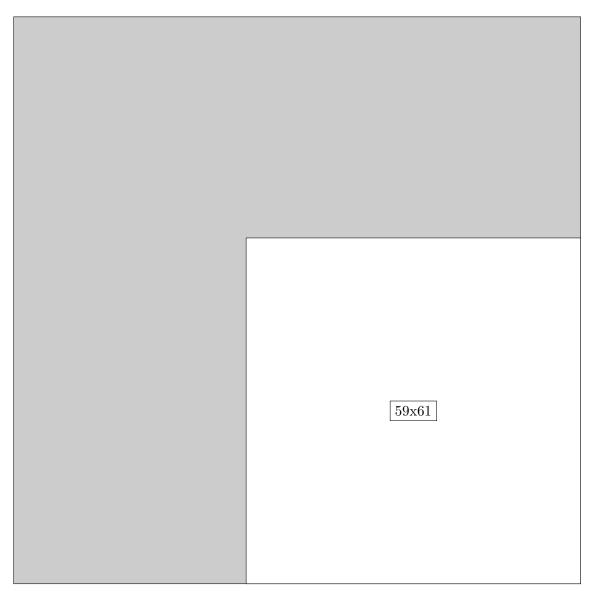
$$\begin{array}{c} w = 100 \; , \; h = \!\!\! 48 \; , \; x = \!\!\! 0 \; , \; y = \!\!\! 0 \; , \; v = \!\!\! 4800 \\ w = \!\!\! 56 \; , \; h = \!\!\! 52 \; , \; x = \!\!\! 44 \; , \; y = \!\!\! 48 \; , \; v = \!\!\! 2912 \\ \end{array}$$



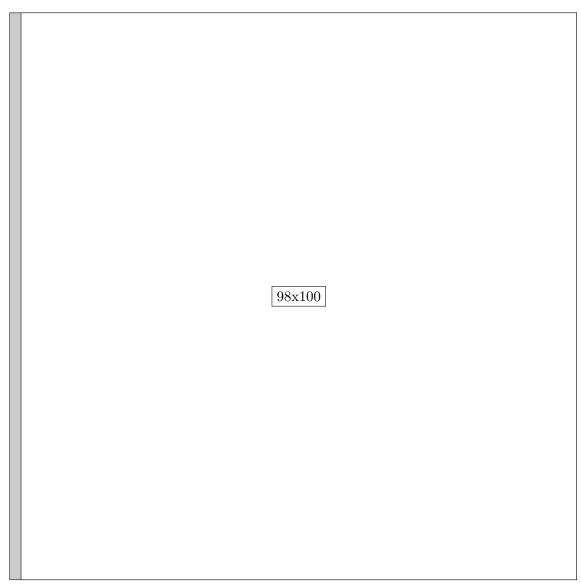
 $\begin{array}{l} w = \!\!\! 66 \; , \; h = \!\!\! 100 \; , \; x = \!\!\! 34 \; , \; y = \!\!\! 0 \; , \; v = \!\!\! 6600 \\ w = \!\!\! 33 \; , \; h = \!\!\! 98 \; , \; x = \!\!\! 1 \; , \; y = \!\!\! 0 \; , \; v = \!\!\! 3234 \\ \end{array}$ 



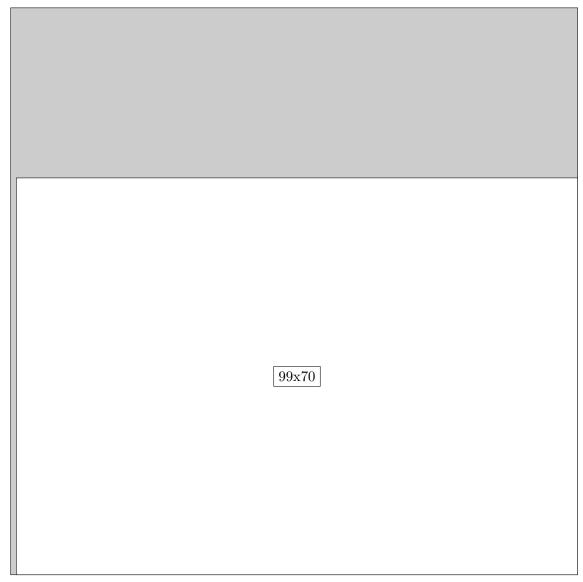
 $\mathbf{w}$  =60 , h =100 , x =40 , y =0 , v =6000



 $\le =59$  , h =61 , x =41 , y =0 , v =3599



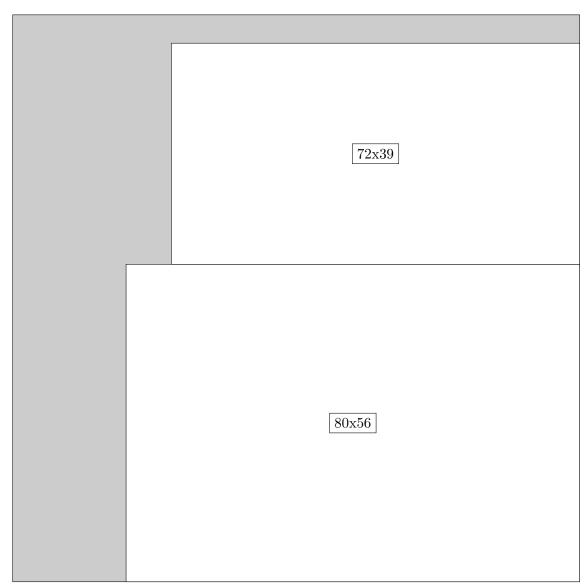
 $\le =98$  , h =100 , x =2 , y =0 , v =9800



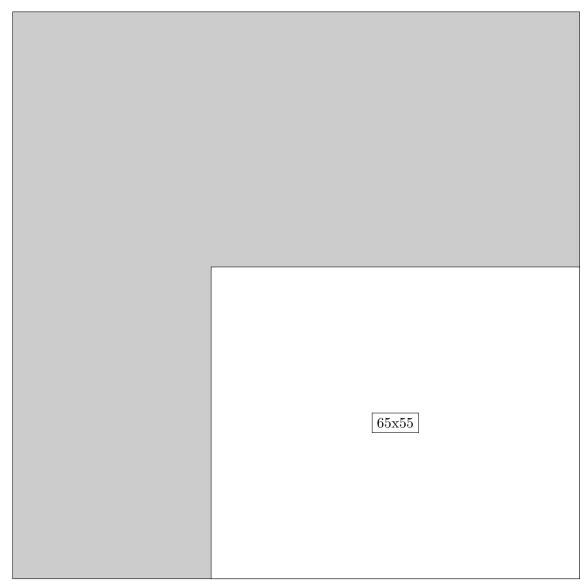
 $\le =99$  , h =70 , x =1 , y =0 , v =6930



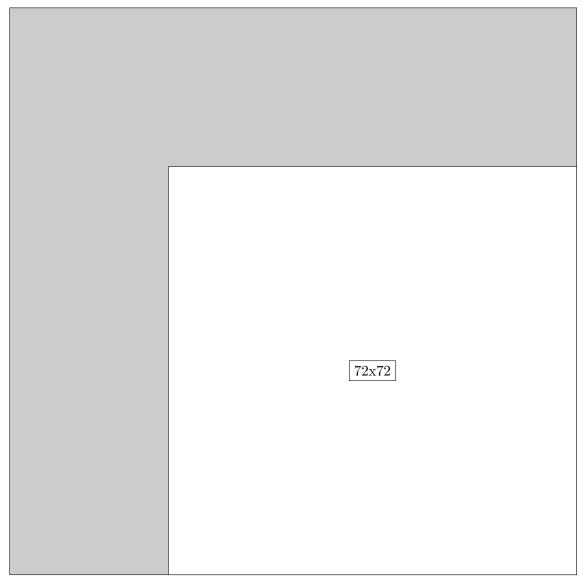
$$\begin{array}{l} w = \! 81 \ , \, h = \! 63 \ , \, x = \! 19 \ , \, y = \! 0 \ , \, v = \! 5103 \\ w = \! 78 \ , \, h = \! 36 \ , \, x = \! 22 \ , \, y = \! 63 \ , \, v = \! 2808 \end{array}$$



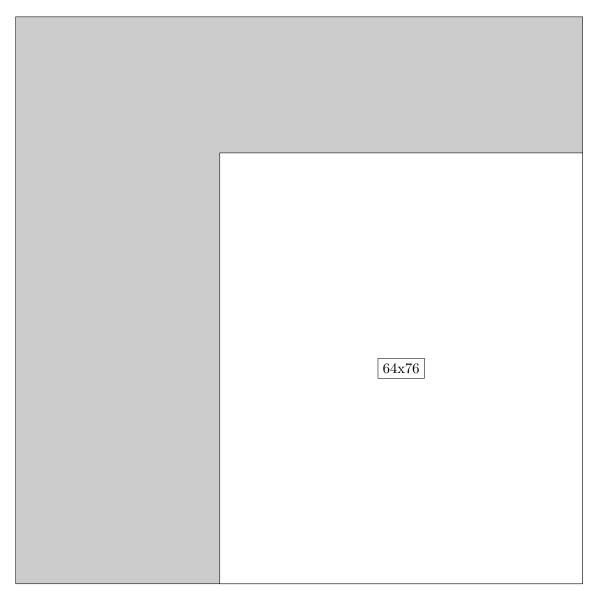
$$\begin{array}{l} w = \! 80 \ , \, h = \! 56 \ , \, x = \! 20 \ , \, y = \! 0 \ , \, v = \! 4480 \\ w = \! 72 \ , \, h = \! 39 \ , \, x = \! 28 \ , \, y = \! 56 \ , \, v = \! 2808 \end{array}$$



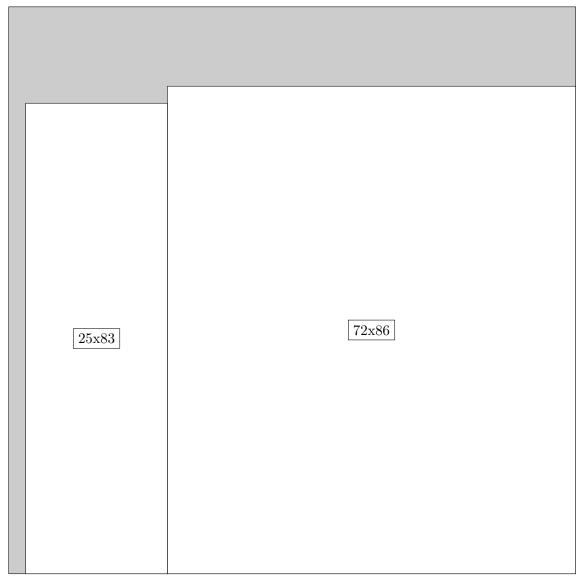
 $\le =65$  , h =55 , x =35 , y =0 , v =3575



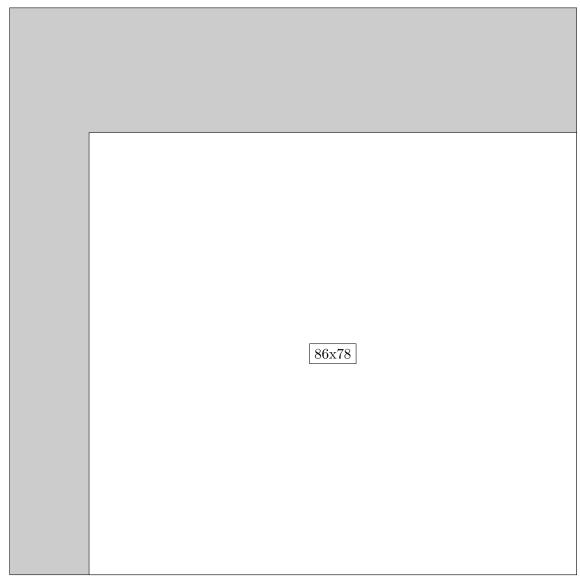
 $\le =72$  , h =72 , x =28 , y =0 , v =5184



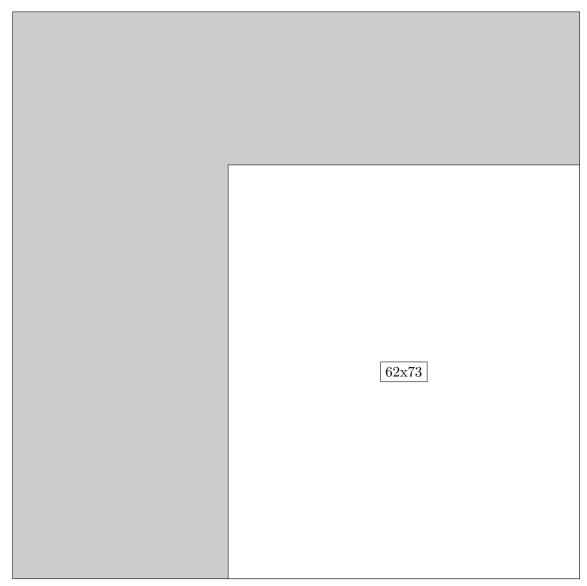
 $\le =64$  , h=76 , x=36 , y=0 , v=4864



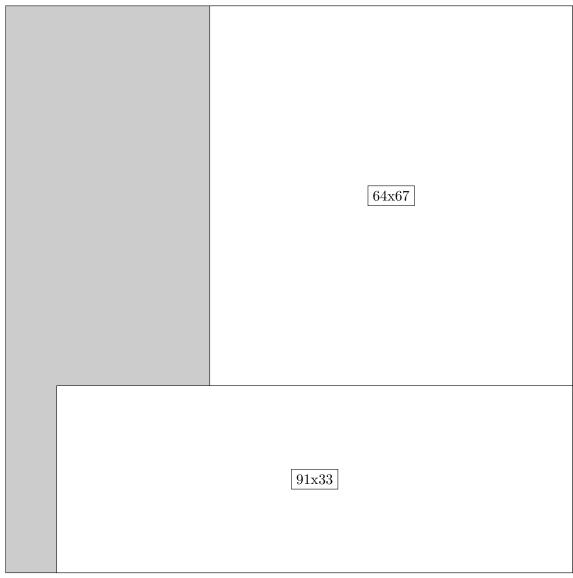
$$\begin{array}{l} w = \!\!\! 72 \ , \ h = \!\!\! 86 \ , \ x = \!\!\! 28 \ , \ y = \!\!\! 0 \ , \ v = \!\!\! 6192 \\ w = \!\!\! 25 \ , \ h = \!\!\! 83 \ , \ x = \!\!\! 3 \ , \ y = \!\!\! 0 \ , \ v = \!\!\! 2075 \end{array}$$



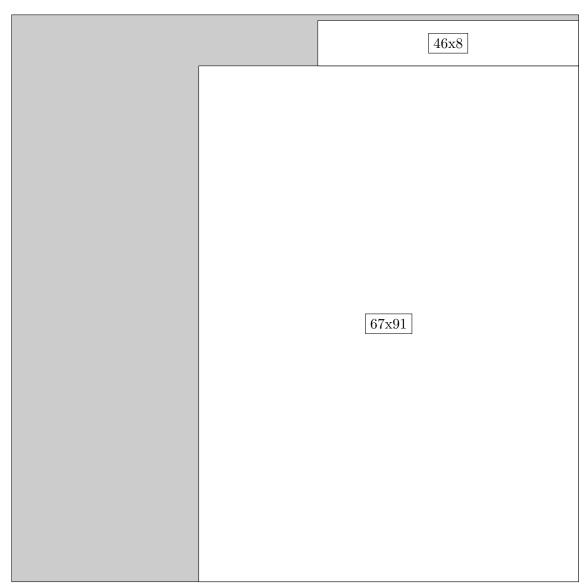
 $\le =86$  , h =78 , x =14 , y =0 , v =6708



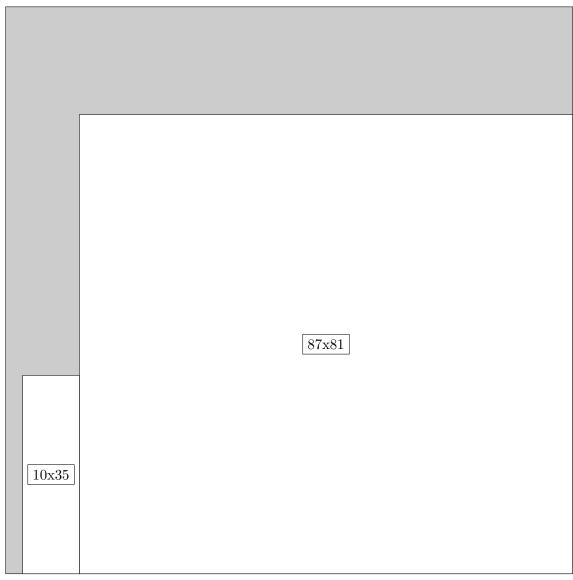
 $\le =62$  , h =73 , x =38 , y =0 , v =4526



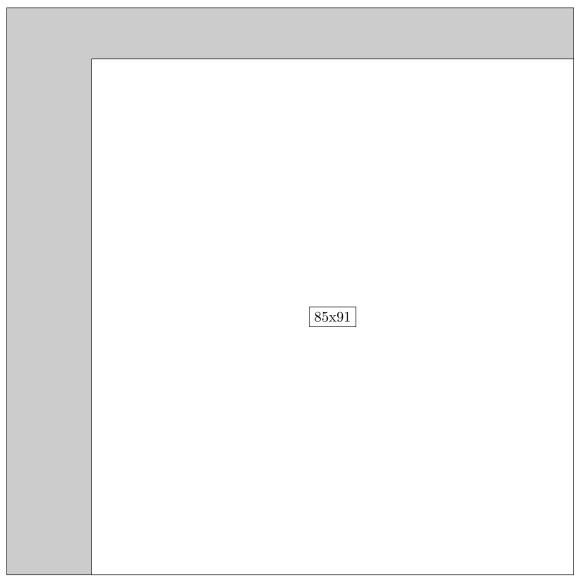
$$\begin{array}{l} w = \! 91 \; , \; h = \! 33 \; , \; x = \! 9 \; , \; y = \! 0 \; , \; v = \! 3003 \\ w = \! 64 \; , \; h = \! 67 \; , \; x = \! 36 \; , \; y = \! 33 \; , \; v = \! 4288 \end{array}$$



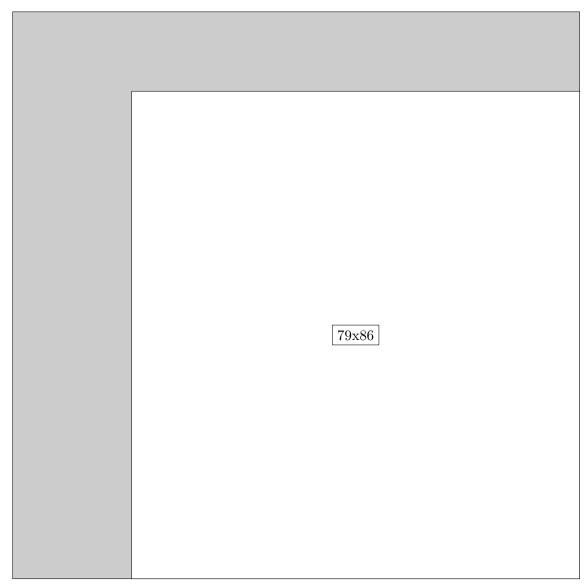
 $\begin{array}{l} w = \!\!67 \ , \ h = \!\!91 \ , \ x = \!\!33 \ , \ y = \!\!0 \ , \ v = \!\!6097 \\ w = \!\!46 \ , \ h = \!\!8 \ , \ x = \!\!54 \ , \ y = \!\!91 \ , \ v = \!\!368 \end{array}$ 



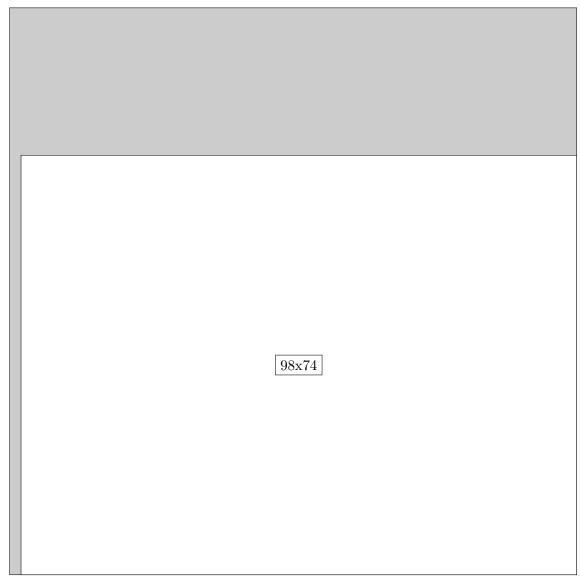
$$\begin{array}{l} w = \! 87 \ , \ h = \! 81 \ , \ x = \! 13 \ , \ y = \! 0 \ , \ v = \! 7047 \\ w = \! 10 \ , \ h = \! 35 \ , \ x = \! 3 \ , \ y = \! 0 \ , \ v = \! 350 \end{array}$$



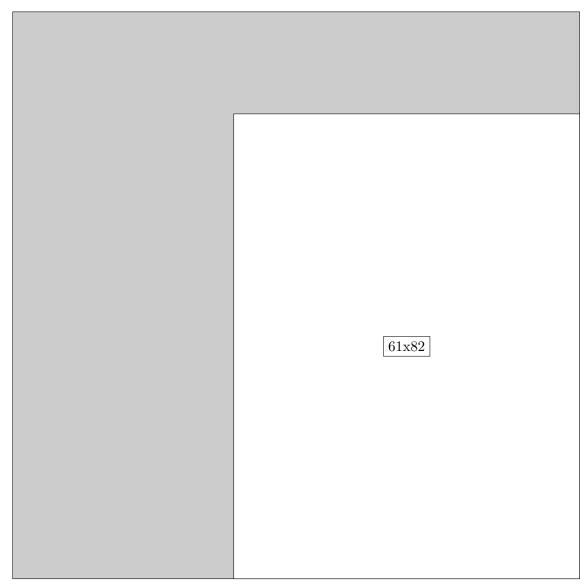
 $\le =85$  , h =91 , x =15 , y =0 , v =7735



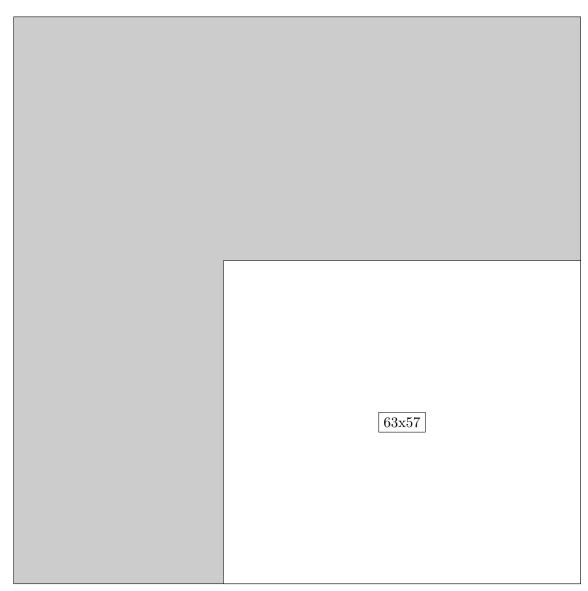
 $\le =79$  , h =86 , x =21 , y =0 , v =6794



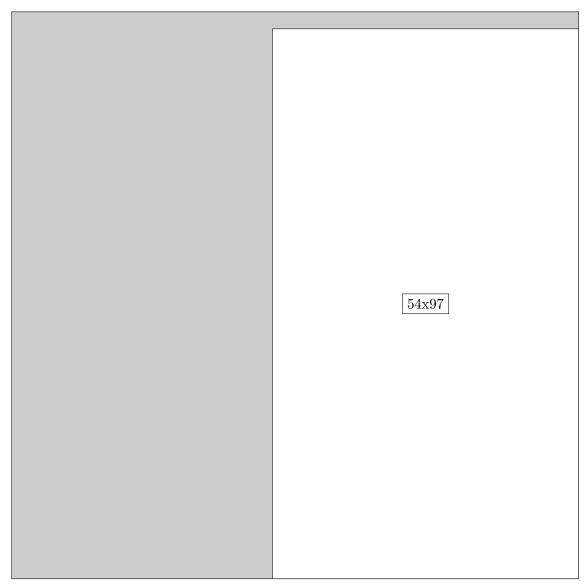
 $\le =98$  , h =74 , x =2 , y =0 , v =7252



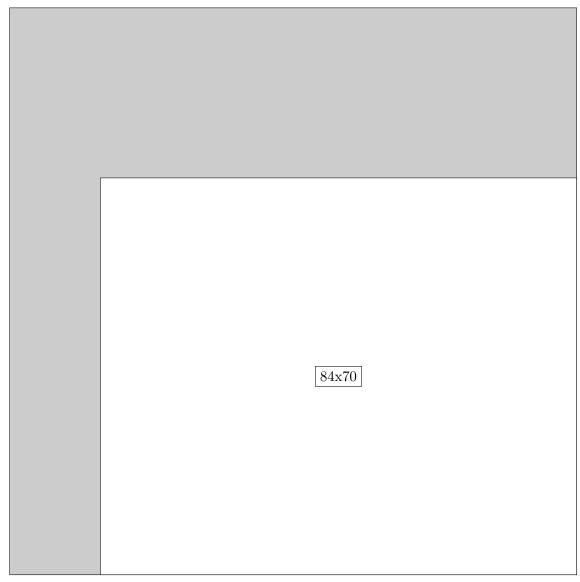
 $\le =61$  , h =82 , x =39 , y =0 , v = 5002



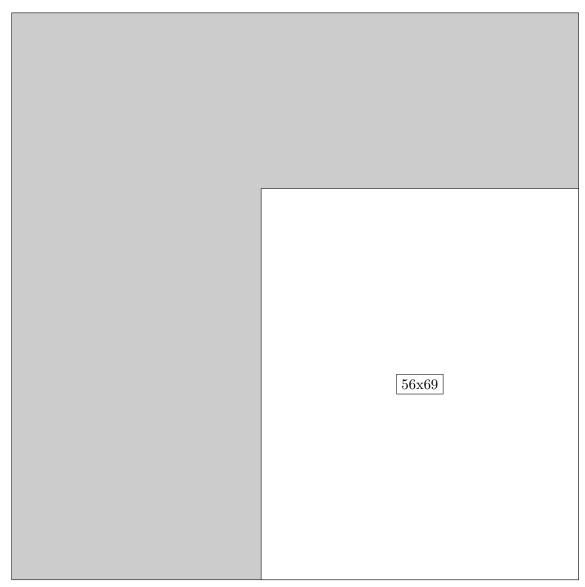
 $\le =63$  , h =57 , x =37 , y =0 , v =3591



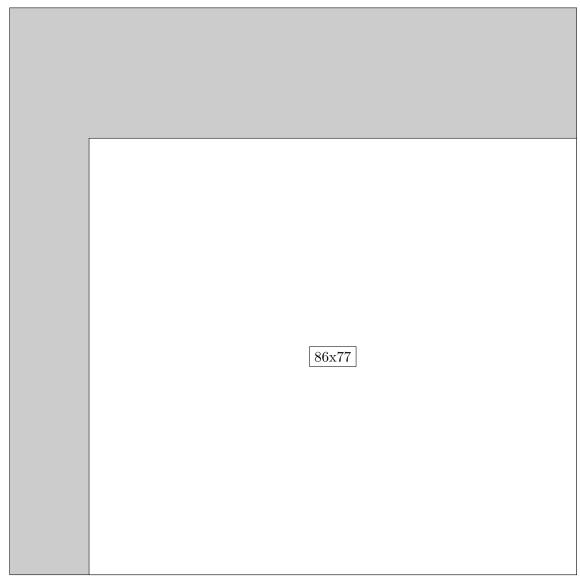
 $\le =54$  , h=97 , x=46 , y=0 , v=5238



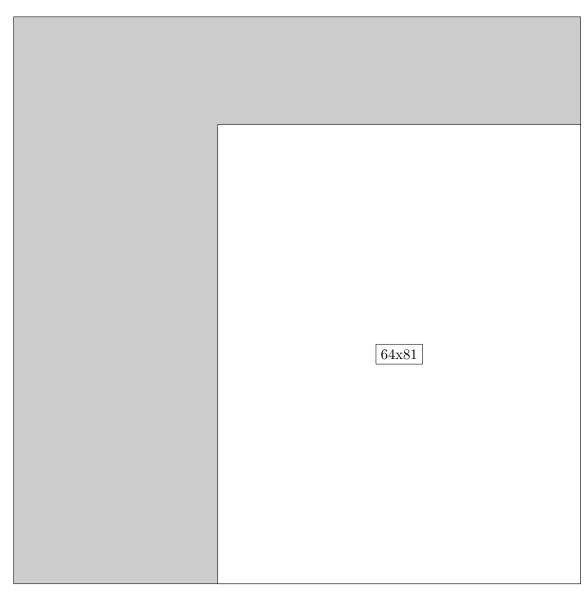
 $\le =84$  , h =70 , x =16 , y =0 , v =5880



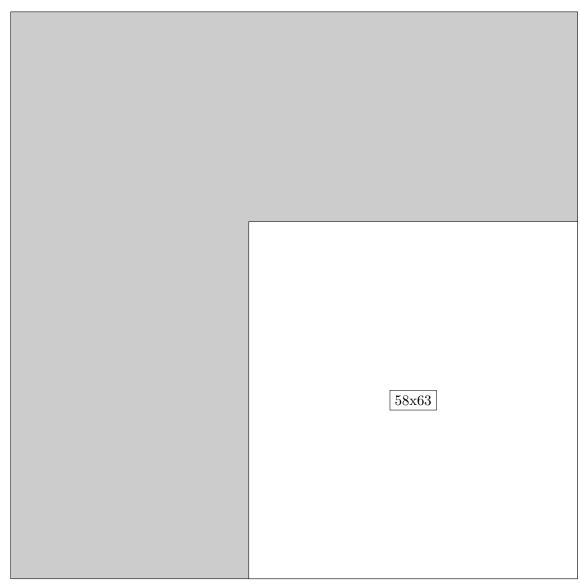
 $\le =56$  , h=69 , x=44 , y=0 , v=3864



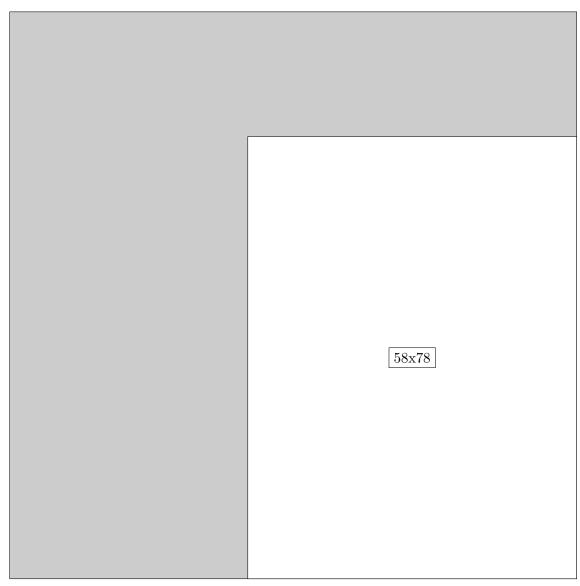
 $\le =86$  , h =77 , x =14 , y =0 , v =6622



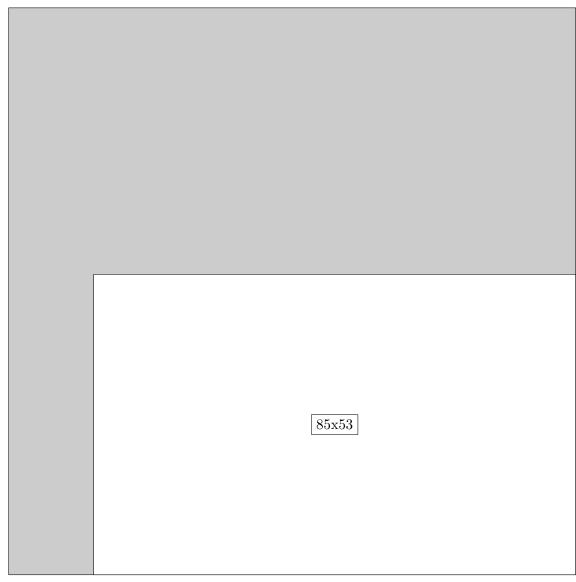
 $\le =64$  ,  $h=\!81$  ,  $x=\!36$  ,  $y=\!0$  ,  $v=\!5184$ 



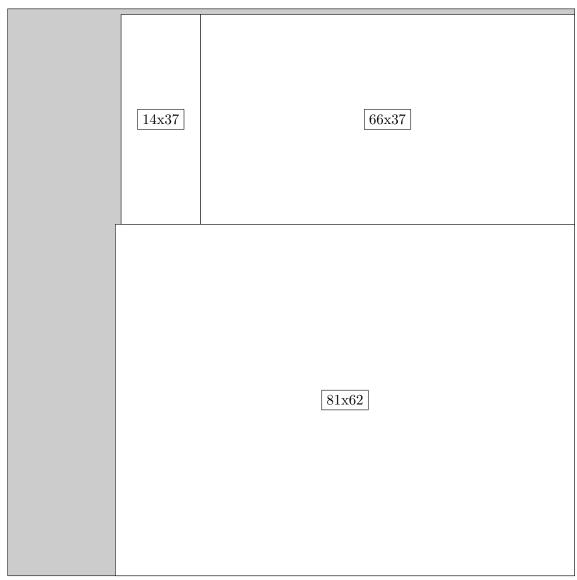
 $\le =58$  , h =63 , x =42 , y =0 , v =3654



 $\le =58$  , h =78 , x =42 , y =0 , v =4524



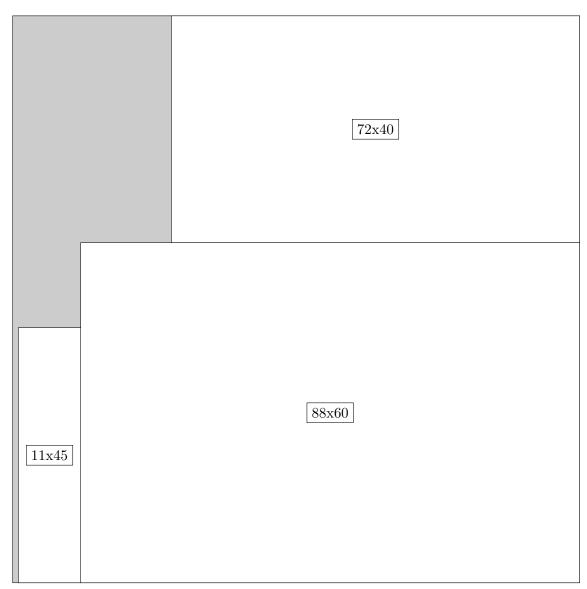
 $\le =85$  , h =53 , x =15 , y =0 , v =4505



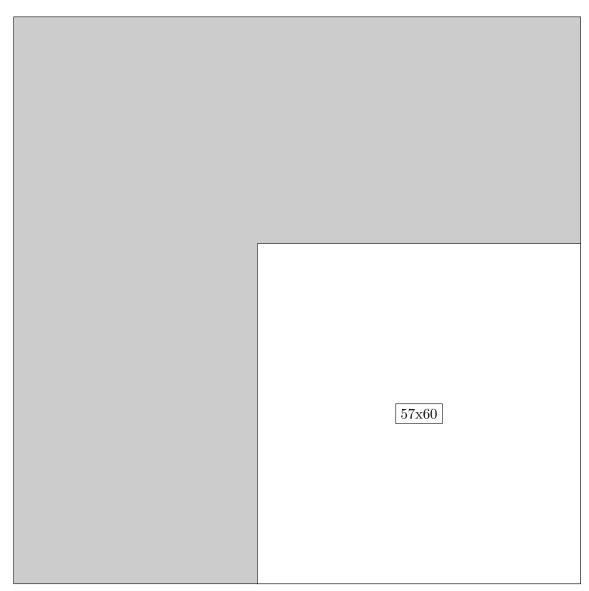
$$\le =81$$
 ,  $h=62$  ,  $x=19$  ,  $y=0$  ,  $v=5022$ 

$$\le =66$$
 ,  $h=37$  ,  $x=34$  ,  $y=62$  ,  $v=2442$ 

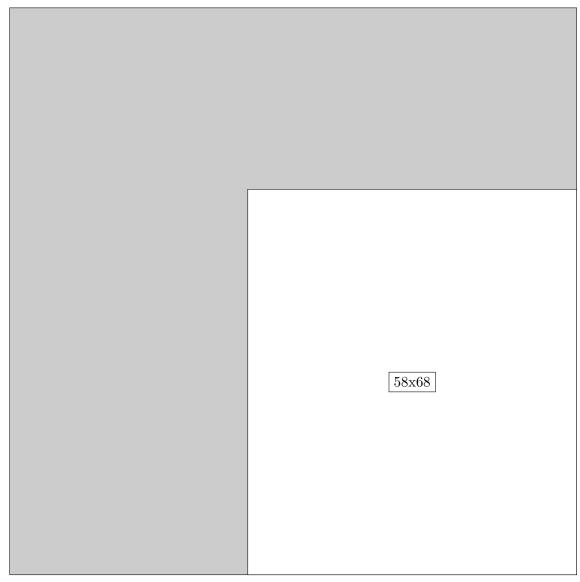
$$\le =14$$
 , h =37 , x =20 , y =62 , v =518



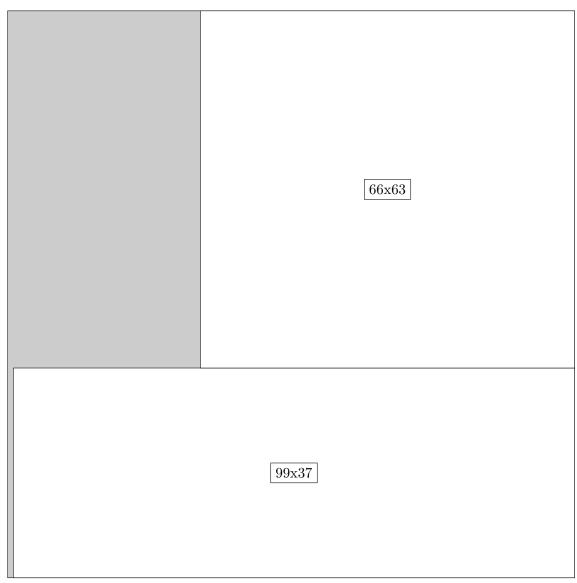
$$\begin{array}{l} w = \! 88 \; , \; h = \! 60 \; , \; x = \! 12 \; , \; y = \! 0 \; , \; v = \! 5280 \\ w = \! 72 \; , \; h = \! 40 \; , \; x = \! 28 \; , \; y = \! 60 \; , \; v = \! 2880 \\ w = \! 11 \; , \; h = \! 45 \; , \; x = \! 1 \; , \; y = \! 0 \; , \; v = \! 495 \end{array}$$



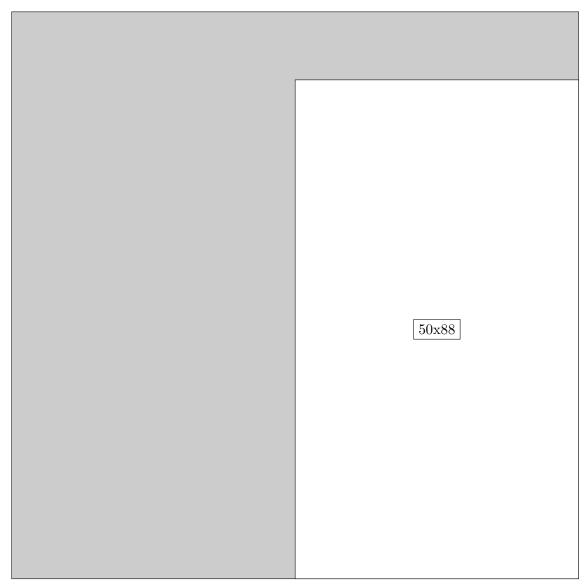
 $\le =57$  , h =60 , x =43 , y =0 , v =3420



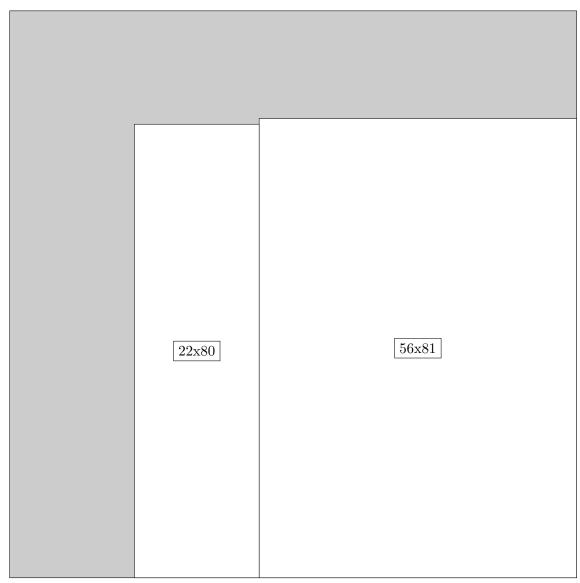
 $\le =58$  , h =68 , x =42 , y =0 , v =3944



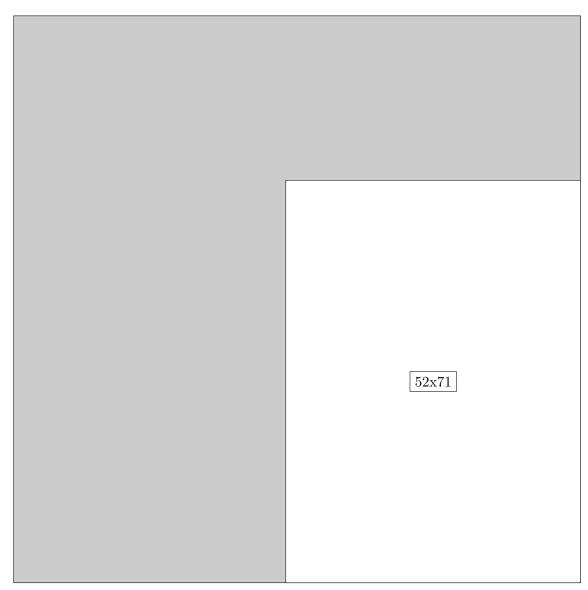
$$\begin{array}{l} w = 99 \ , \ h = 37 \ , \ x = 1 \ , \ y = 0 \ , \ v = 3663 \\ w = 66 \ , \ h = 63 \ , \ x = 34 \ , \ y = 37 \ , \ v = 4158 \end{array}$$



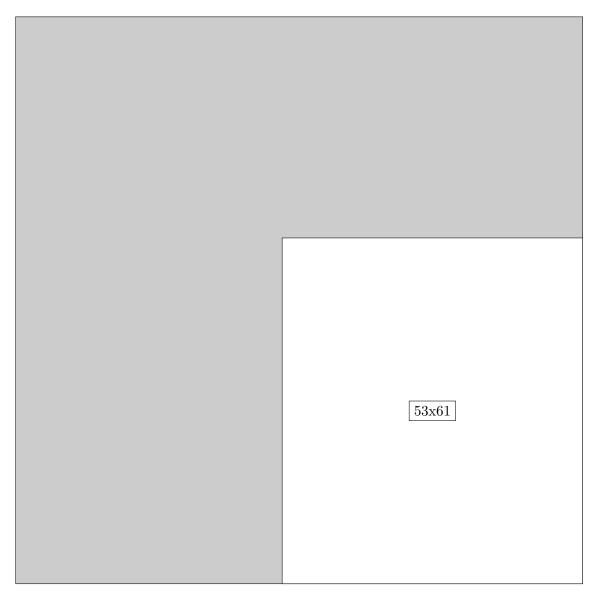
 $\le =50$  , h =88 , x =50 , y =0 , v =4400



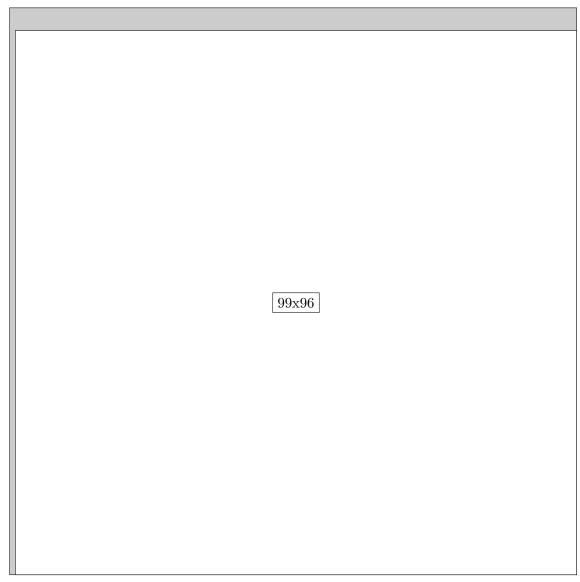
$$\begin{array}{l} w = \! 56 \ , \ h = \! 81 \ , \ x = \! 44 \ , \ y = \! 0 \ , \ v = \! 4536 \\ w = \! 22 \ , \ h = \! 80 \ , \ x = \! 22 \ , \ y = \! 0 \ , \ v = \! 1760 \end{array}$$



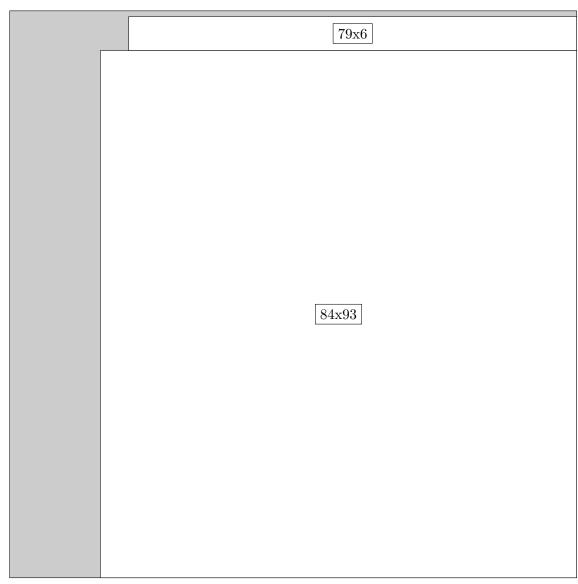
 $\le 52$  , h =71 , x =48 , y =0 , v =3692



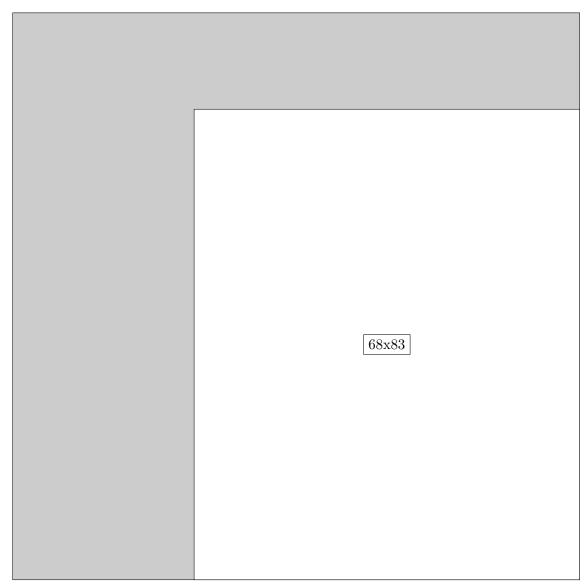
 $\le =53$  , h =61 , x =47 , y =0 , v =3233



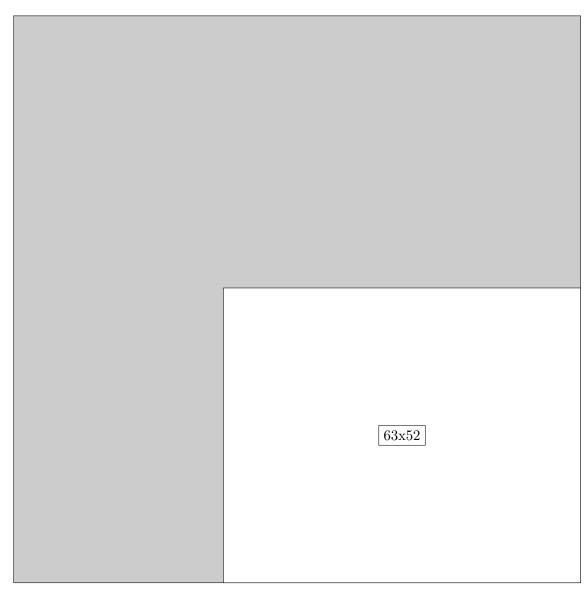
 $\le =99$  , h =96 , x =1 , y =0 , v =9504



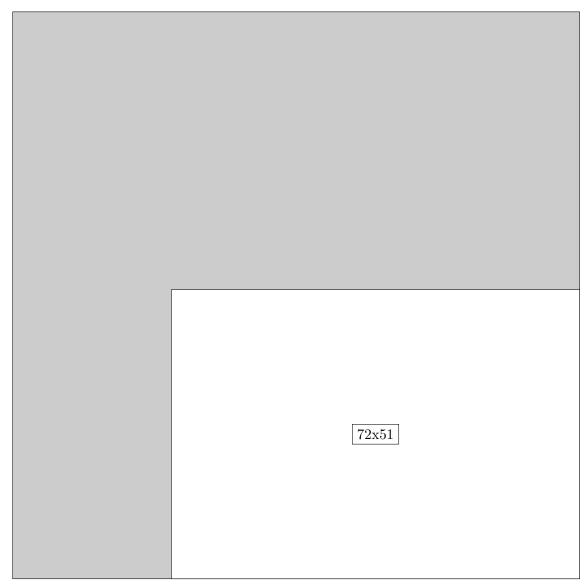
$$\begin{array}{l} w = \!\!84 \ , \ h = \!\!93 \ , \ x = \!\!16 \ , \ y = \!\!0 \ , \ v = \!\!7812 \\ w = \!\!79 \ , \ h = \!\!6 \ , \ x = \!\!21 \ , \ y = \!\!93 \ , \ v = \!\!474 \end{array}$$



 $\le =68$  , h =83 , x =32 , y =0 , v = 5644



 $\le =63$  , h =52 , x =37 , y =0 , v =3276



 $\le =72$  , h =51 , x =28 , y =0 , v =3672