$ClassName: \ Class\_09.2bp-40$ 

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

TypeNum:  $\underline{100}$ Num:  $\underline{100}$ OutS:  $\underline{710000}$ InS:  $\underline{453661}$ Rate:  $\underline{0.639}$ UB:  $\underline{71}$ 

UB: <u>71</u> LB0: <u>71</u> LB: **71** 

LBWithCut:  $\underline{71}$ NodeCut:  $\underline{0}$ 

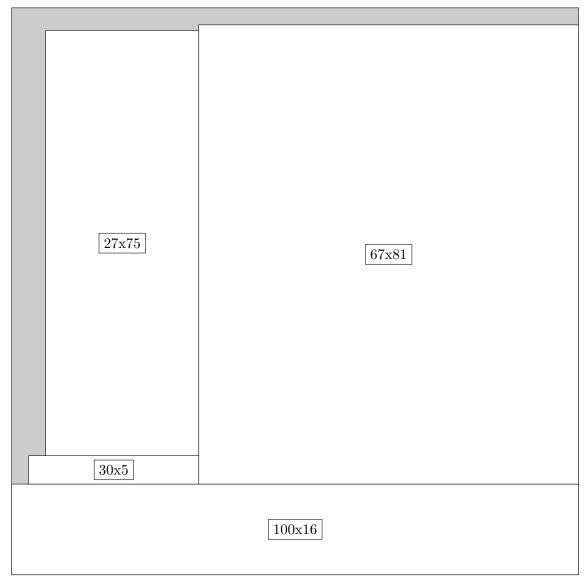
ExtendedNodeCnt:  $\underline{\mathbf{1}}$ 

GenNodeCnt:  $\underline{\mathbf{1}}$ PrimalNode:  $\underline{\mathbf{0}}$ ColumnCount:  $\underline{\mathbf{71}}$ 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

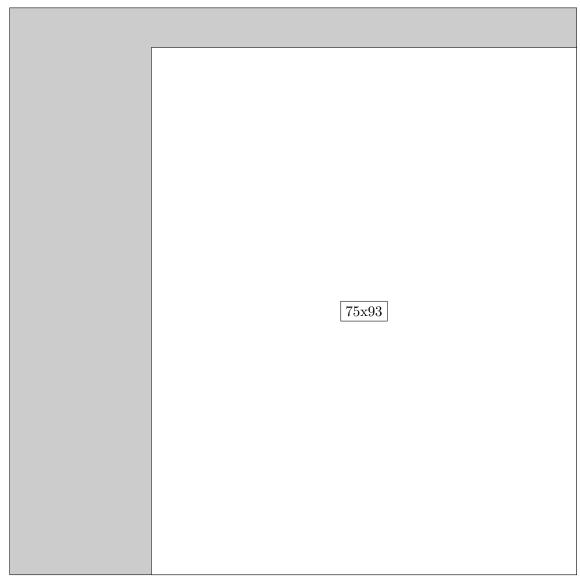


$$\mathbf{w}$$
 =100 , h =16 , x =0 , y =0 , v =1600

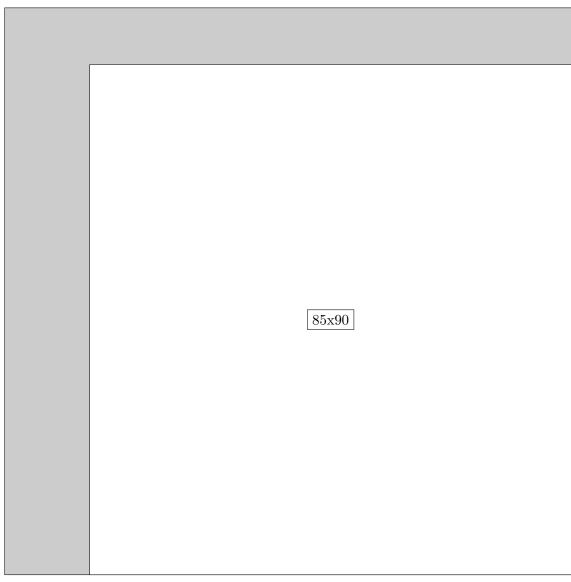
$$w$$
 =67 ,  $h$  =81 ,  $x$  =33 ,  $y$  =16 ,  $v$  =5427

$$\le =30$$
 , h =5 , x =3 , y =16 , v =150

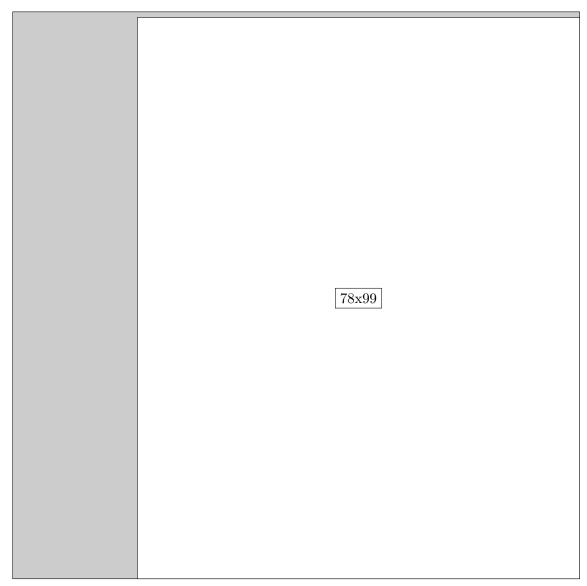
$$w$$
 =27 , h =75 , x =6 , y =21 , v =2025



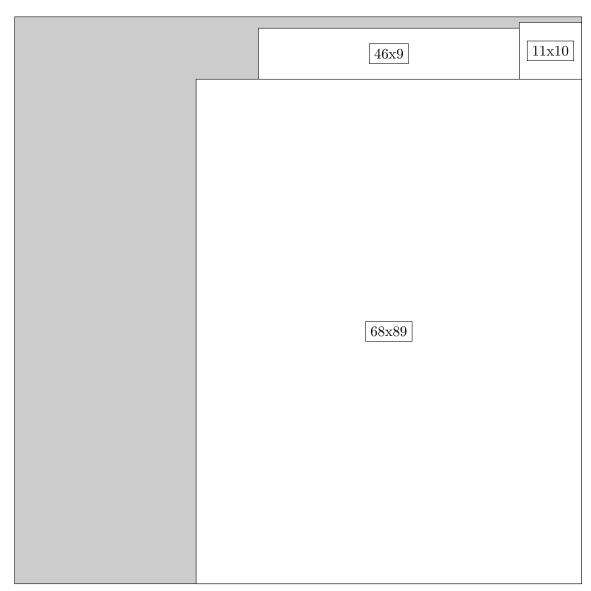
 $\le =75$  , h =93 , x =25 , y =0 , v =6975



 $\le =85$  , h =90 , x =15 , y =0 , v =7650



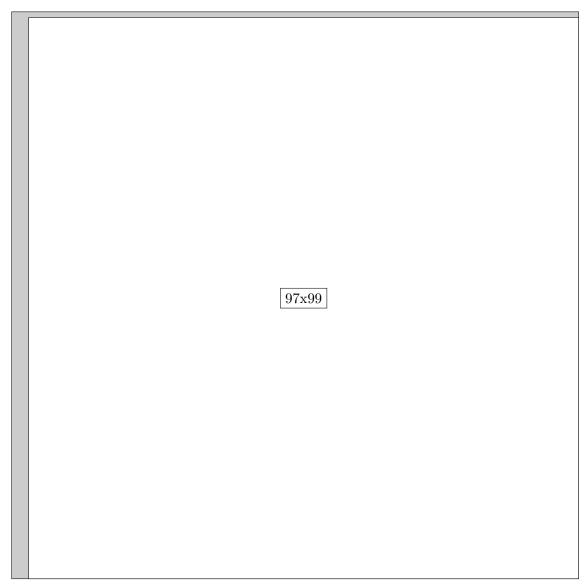
 $\le =78$  , h =99 , x =22 , y =0 , v =7722



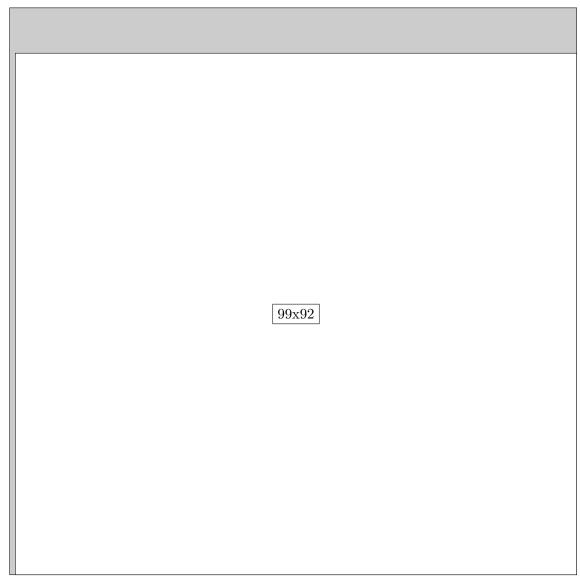
$$w = 68 \ , \ h = 89 \ , \ x = 32 \ , \ y = 0 \ , \ v = 6052$$

$$w=\!11$$
 ,  $h=\!10$  ,  $x=\!89$  ,  $y=\!89$  ,  $v=\!110$ 

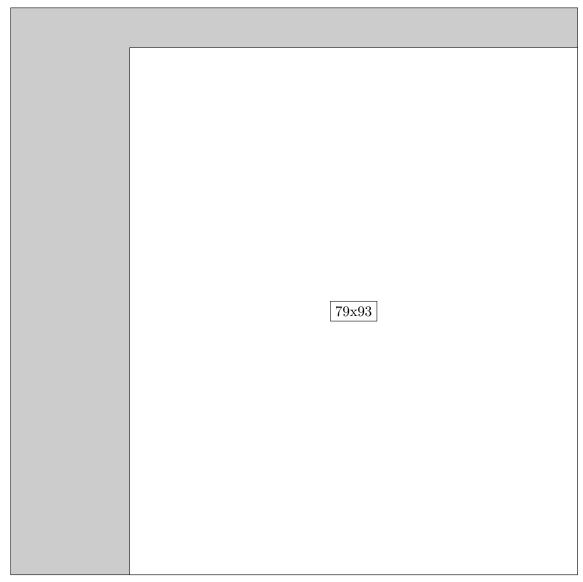
$$\le =46$$
 , h =9 , x =43 , y =89 , v =414



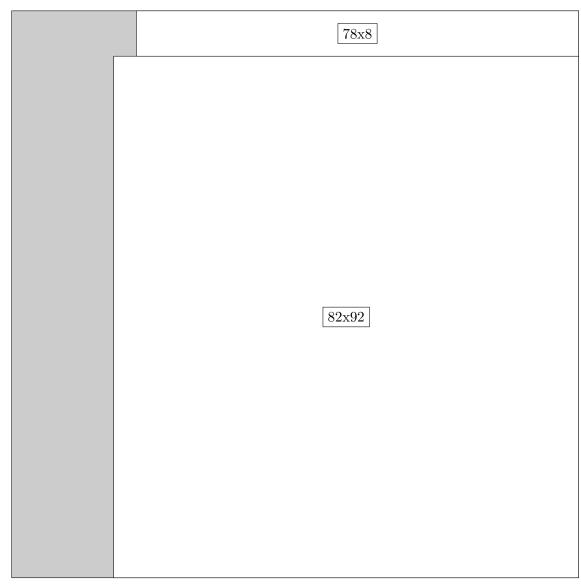
 $\le =97$  , h =99 , x =3 , y =0 , v =9603



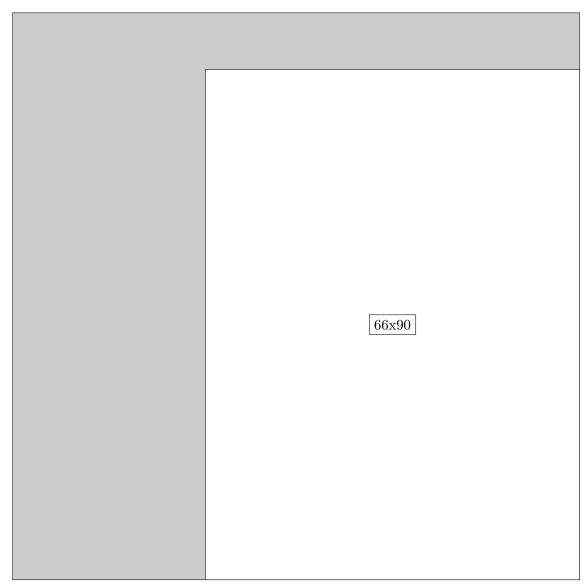
 $\le =99$  , h =92 , x =1 , y =0 , v =9108



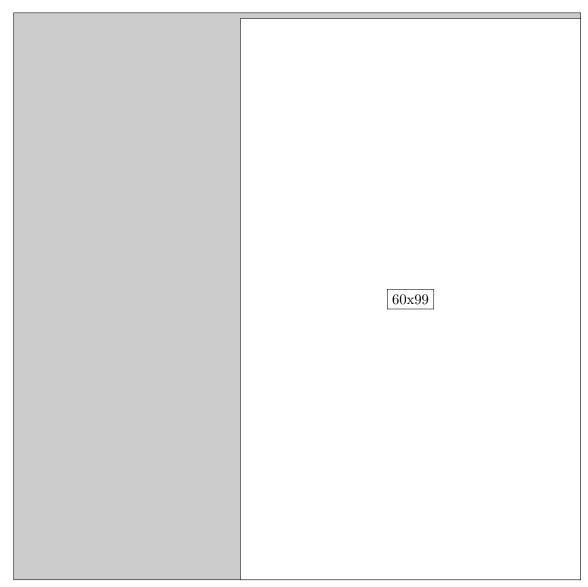
 $\le =79$  , h =93 , x =21 , y =0 , v =7347



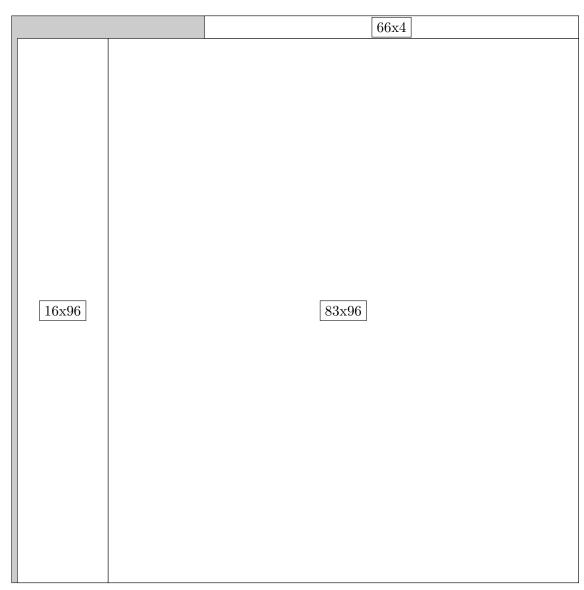
$$\begin{array}{l} w = \!\!82 \ , \ h = \!\!92 \ , \ x = \!\!18 \ , \ y = \!\!0 \ , \ v = \!\!7544 \\ w = \!\!78 \ , \ h = \!\!8 \ , \ x = \!\!22 \ , \ y = \!\!92 \ , \ v = \!\!624 \end{array}$$



 $\le =66$  , h =90 , x =34 , y =0 , v =5940



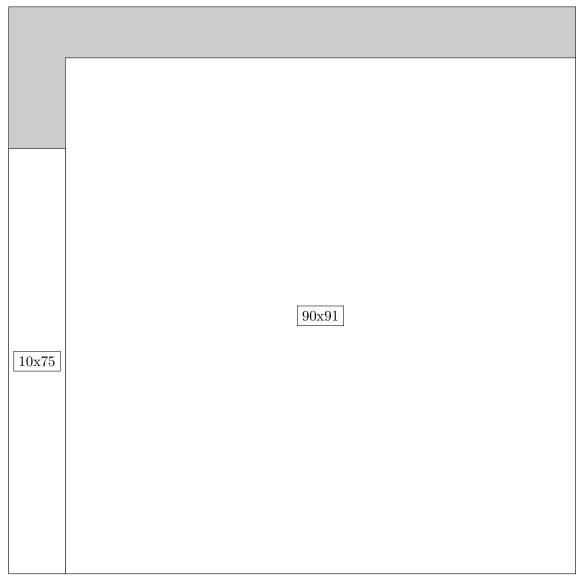
 $\le =60$  , h =99 , x =40 , y =0 , v =5940



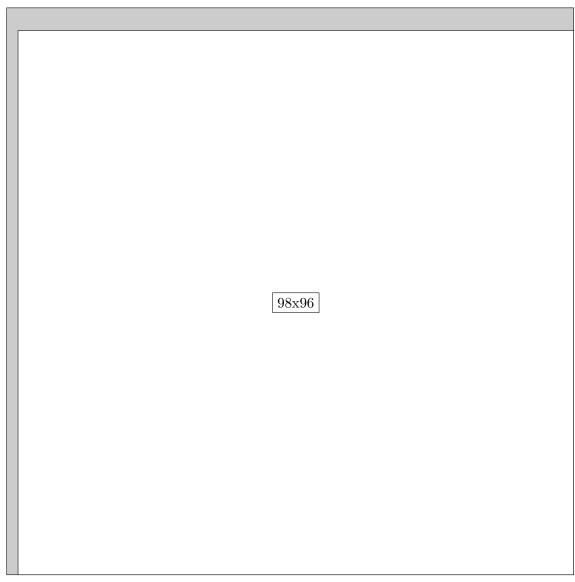
 $w = 83 \; , \; h = 96 \; , \; x = 17 \; , \; y = 0 \; , \; v = 7968$ 

 $\mathbf{w}$  =16 , h =96 , x =1 , y =0 , v =1536

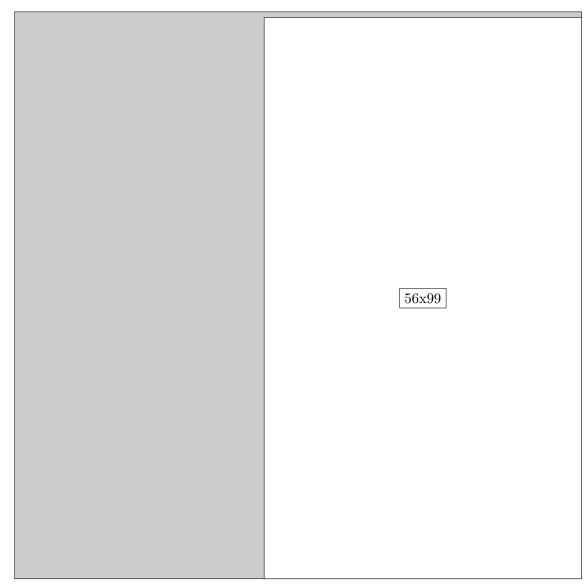
 $\le =66$  , h =4 , x =34 , y =96 , v =264



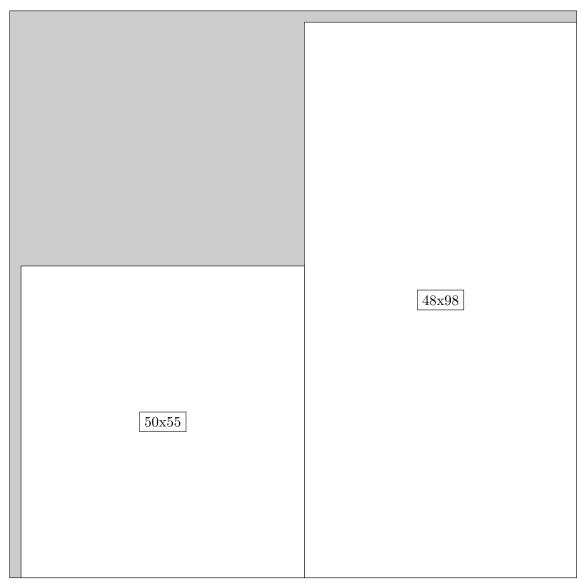
$$\begin{array}{l} w = \! 90 \ , \ h = \! 91 \ , \ x = \! 10 \ , \ y = \! 0 \ , \ v = \! 8190 \\ w = \! 10 \ , \ h = \! 75 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 750 \end{array}$$



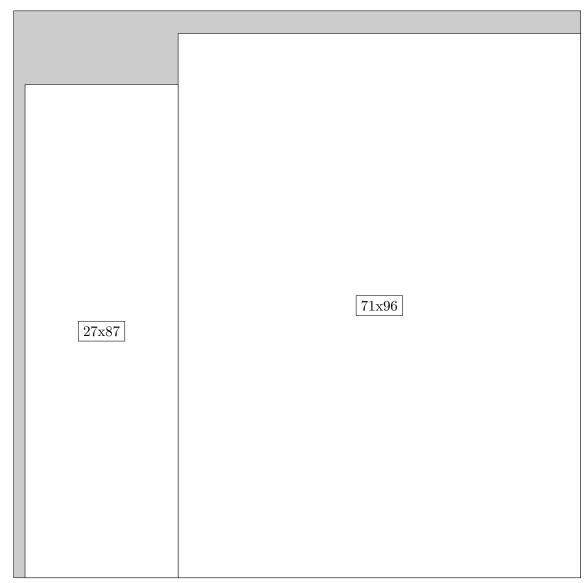
 $\le =98$  , h =96 , x =2 , y =0 , v =9408



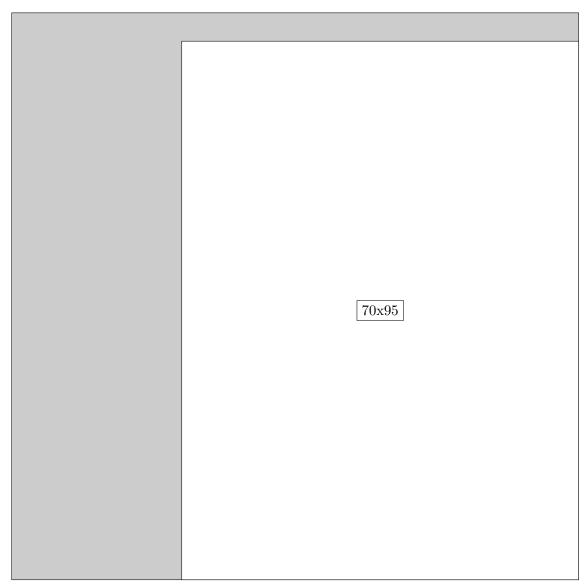
 $\le =56$  , h =99 , x =44 , y =0 , v =5544



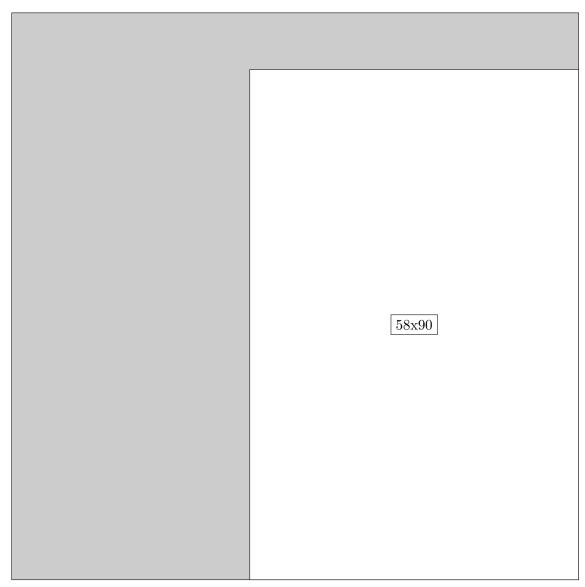
$$w=\!48$$
 ,  $h=\!98$  ,  $x=\!52$  ,  $y=\!0$  ,  $v=\!4704$   $w=\!50$  ,  $h=\!55$  ,  $x=\!2$  ,  $y=\!0$  ,  $v=\!2750$ 



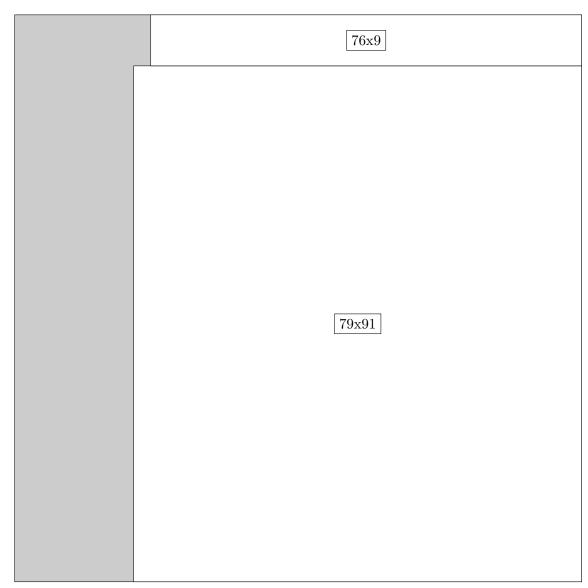
$$\begin{array}{l} w = \! 71 \ , \ h = \! 96 \ , \ x = \! 29 \ , \ y = \! 0 \ , \ v = \! 6816 \\ w = \! 27 \ , \ h = \! 87 \ , \ x = \! 2 \ , \ y = \! 0 \ , \ v = \! 2349 \end{array}$$



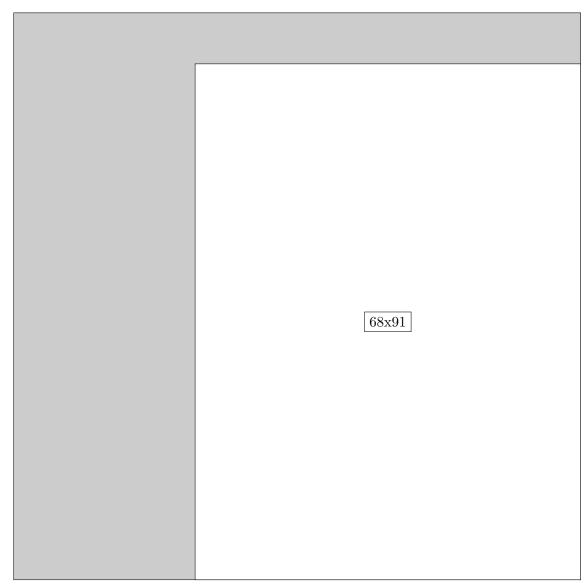
 $\le =70$  , h =95 , x =30 , y =0 , v =6650



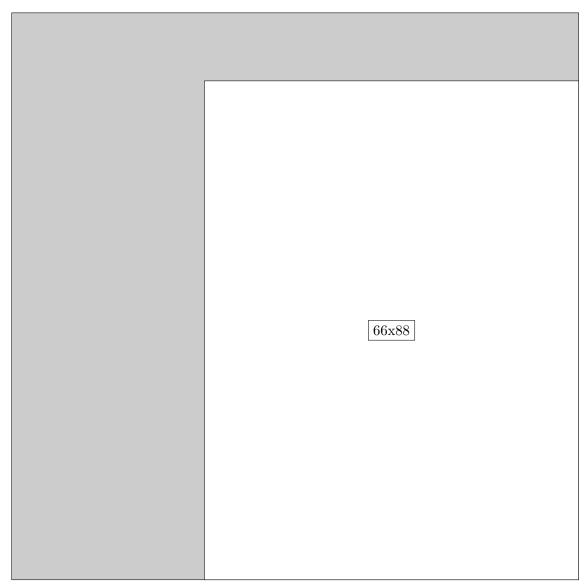
 $\le -58$  , h =90 , x =42 , y =0 , v =5220



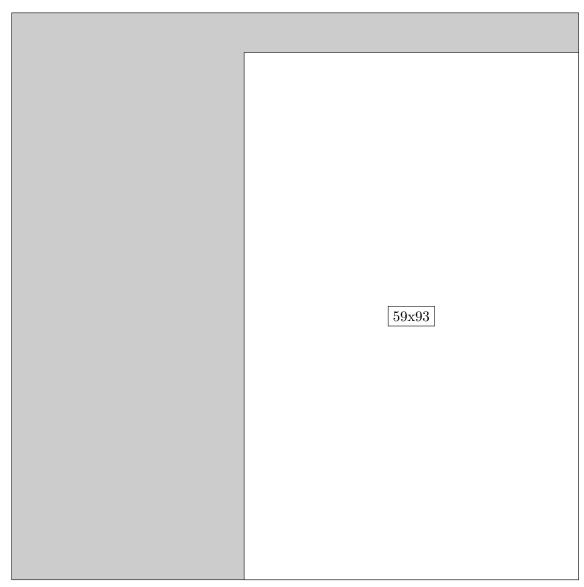
$$\begin{array}{l} w = \! 79 \ , \ h = \! 91 \ , \ x = \! 21 \ , \ y = \! 0 \ , \ v = \! 7189 \\ w = \! 76 \ , \ h = \! 9 \ , \ x = \! 24 \ , \ y = \! 91 \ , \ v = \! 684 \end{array}$$



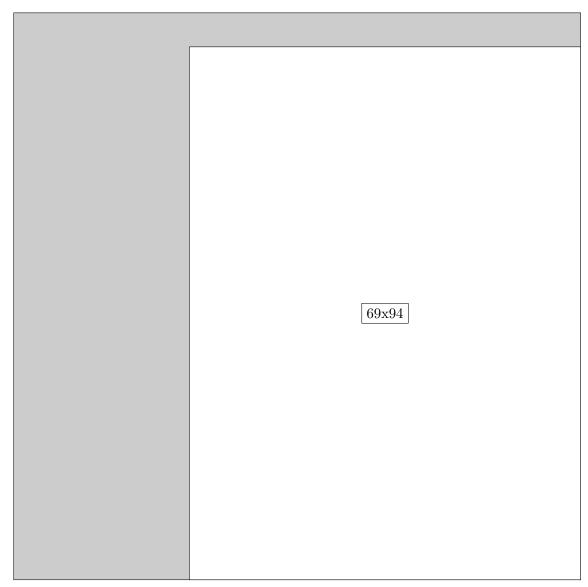
 $\le =68$  , h =91 , x =32 , y =0 , v =6188



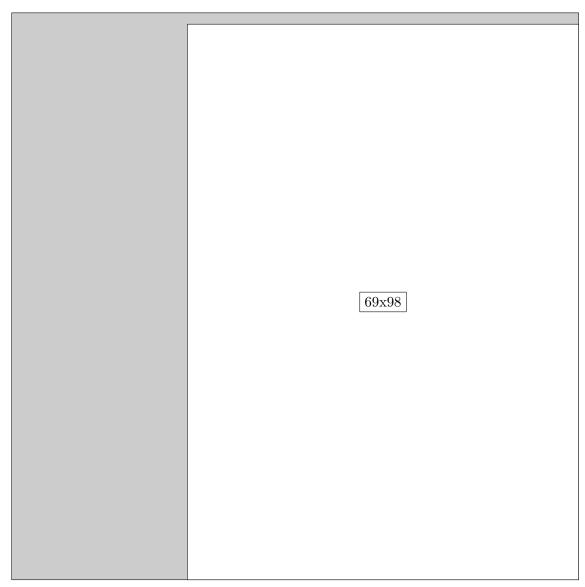
 $\le =66$  , h =88 , x =34 , y =0 , v =5808



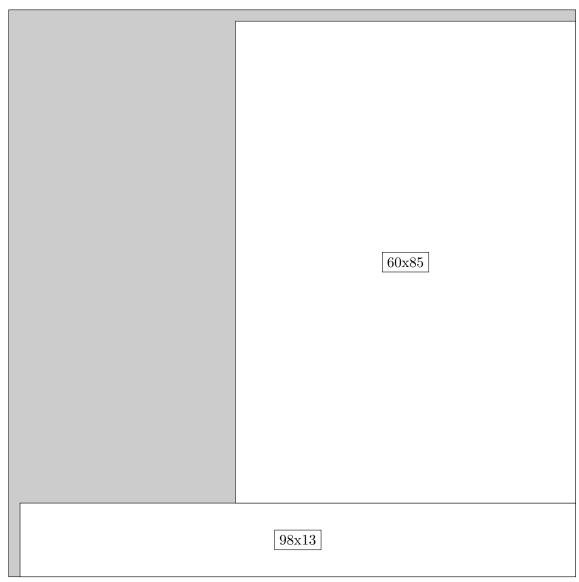
 $\le =59$  , h =93 , x =41 , y =0 , v =5487



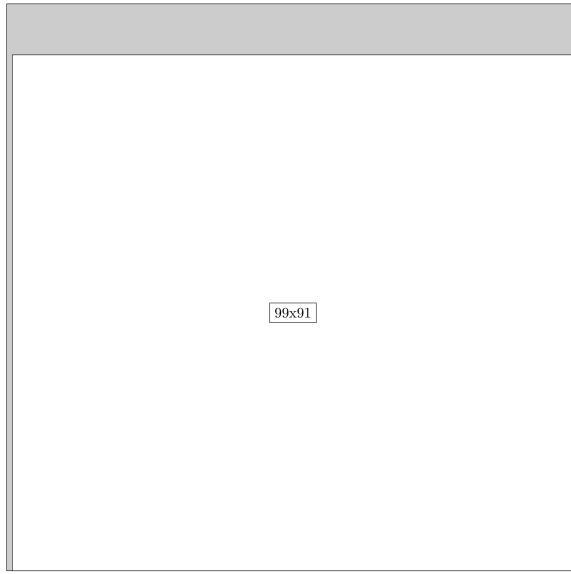
 $\le =69$  , h =94 , x =31 , y =0 , v =6486



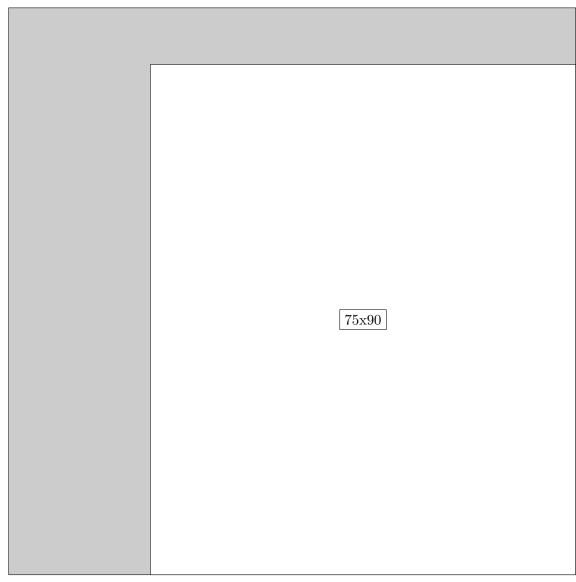
 $\le =69$  , h =98 , x =31 , y =0 , v =6762



$$\begin{array}{l} w = \! 98 \; , \; h = \! 13 \; , \; x = \! 2 \; , \; y = \! 0 \; , \; v = \! 1274 \\ w = \! 60 \; , \; h = \! 85 \; , \; x = \! 40 \; , \; y = \! 13 \; , \; v = \! 5100 \end{array}$$



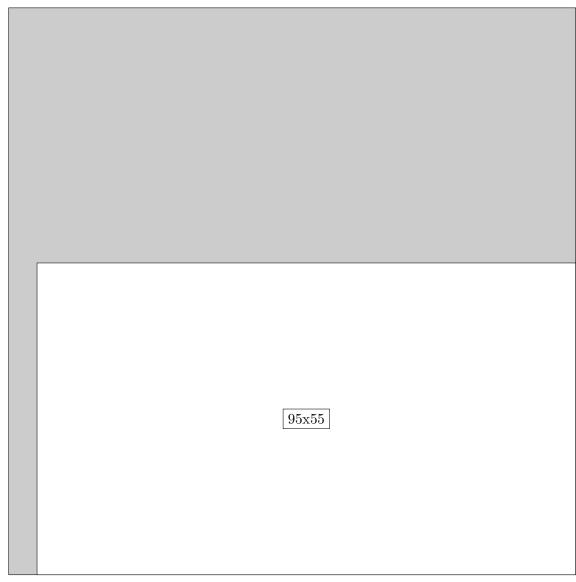
 $\le =99$  , h =91 , x =1 , y =0 , v =9009



 $\le =75$  , h =90 , x =25 , y =0 , v =6750



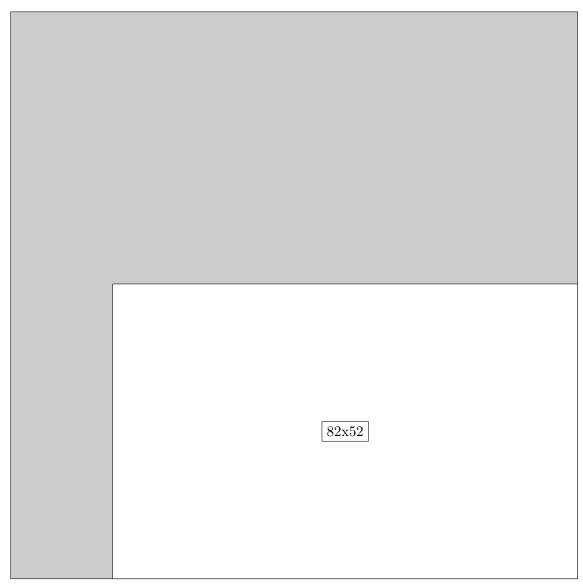
$$\begin{array}{l} w = \! 73 \ , \ h = \! 48 \ , \ x = \! 27 \ , \ y = \! 0 \ , \ v = \! 3504 \\ w = \! 61 \ , \ h = \! 51 \ , \ x = \! 39 \ , \ y = \! 48 \ , \ v = \! 3111 \end{array}$$



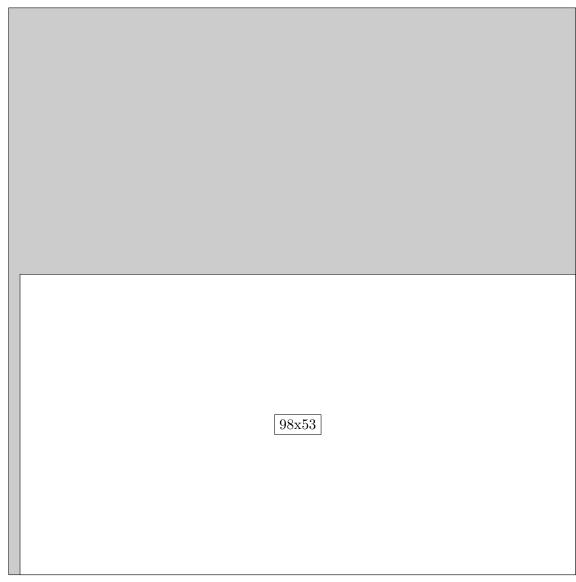
 $\le =95$  , h =55 , x =5 , y =0 , v =5225



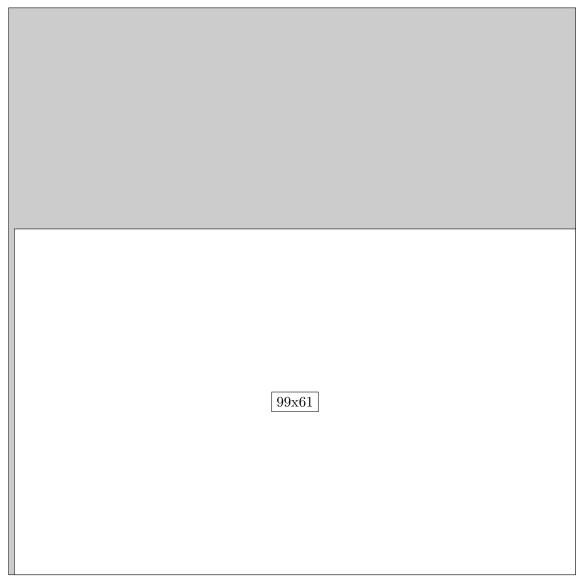
$$\begin{array}{l} w = \! 93 \ , \ h = \! 62 \ , \ x = \! 7 \ , \ y = \! 0 \ , \ v = \! 5766 \\ w = \! 91 \ , \ h = \! 37 \ , \ x = \! 9 \ , \ y = \! 62 \ , \ v = \! 3367 \end{array}$$



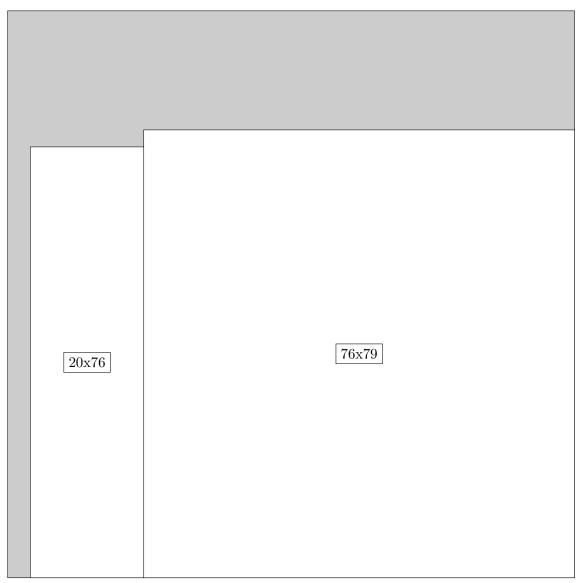
 $\le =82$  , h =52 , x =18 , y =0 , v =4264

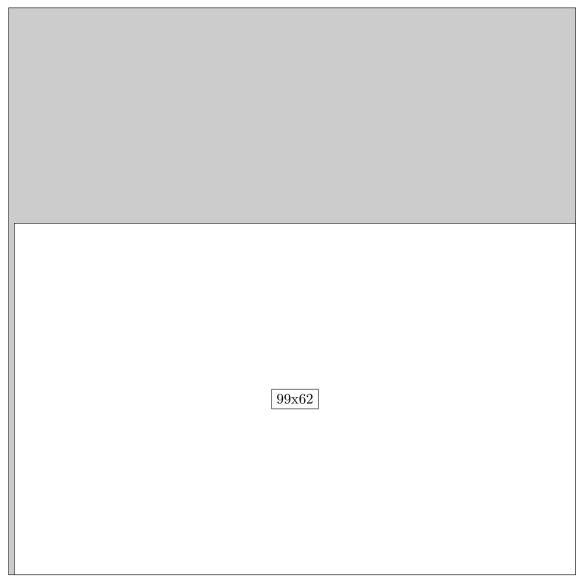


 $\le =98$  , h =53 , x =2 , y =0 , v =5194

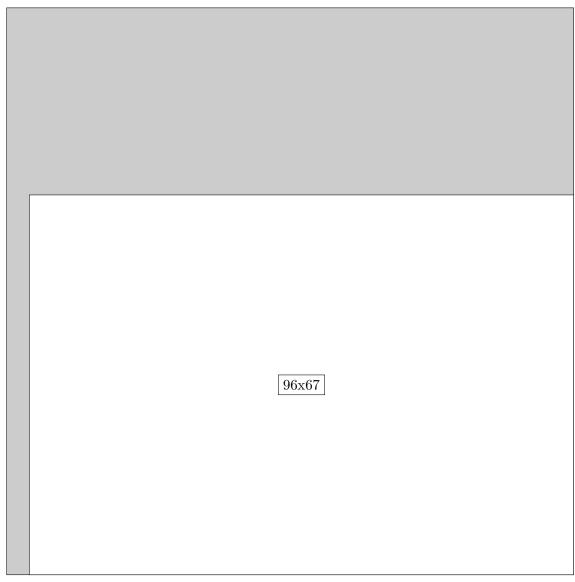


 $\le =99$  , h =61 , x =1 , y =0 , v =6039

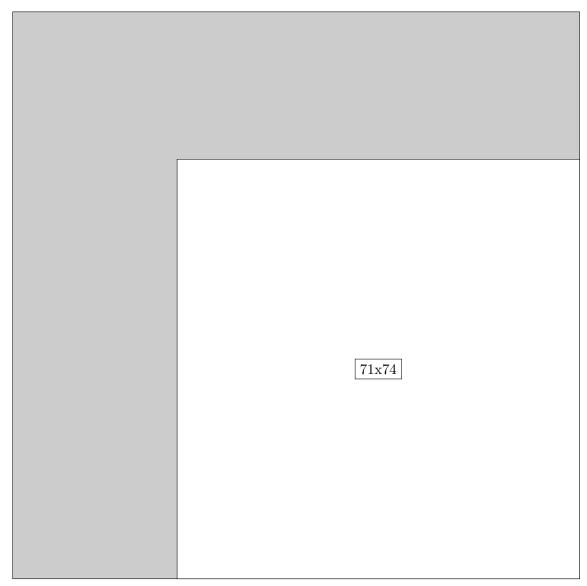




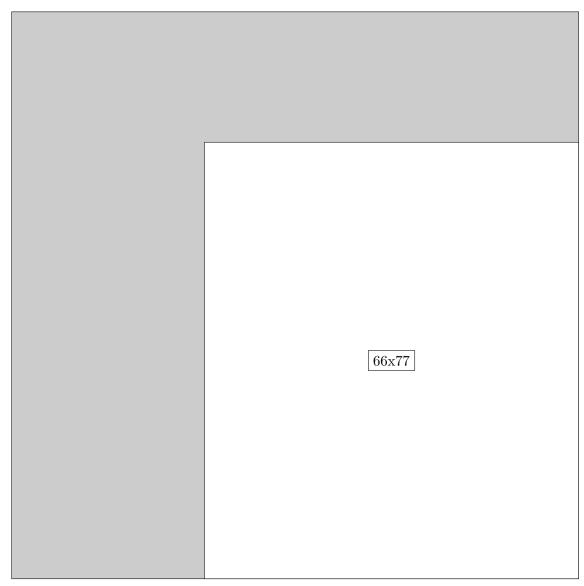
 $\le =99$  , h =62 , x =1 , y =0 , v =6138



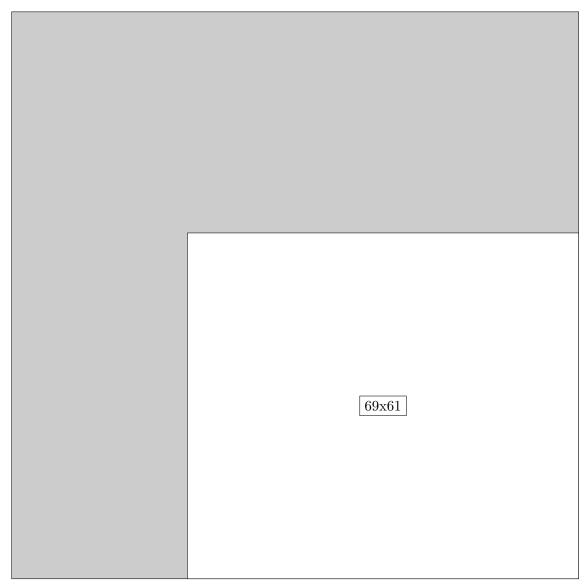
 $\le -96$  , h =67 , x =4 , y =0 , v =6432



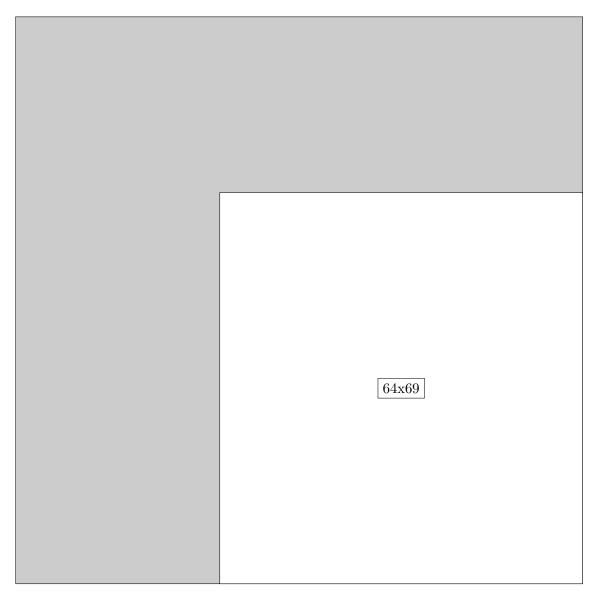
 $\le =71$  , h =74 , x =29 , y =0 , v =5254



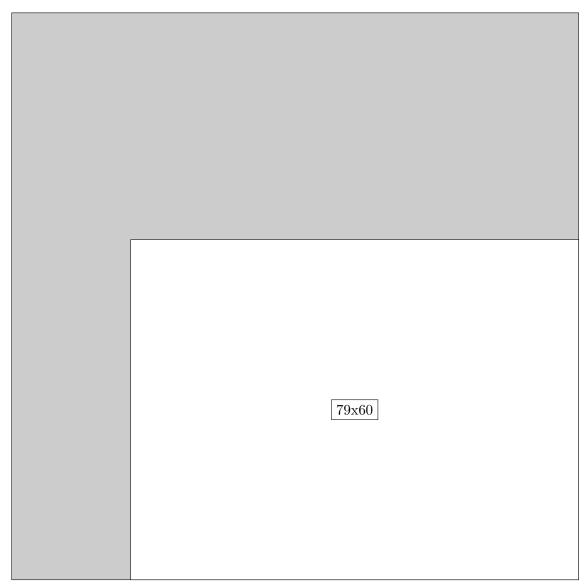
 $\le =66$  , h =77 , x =34 , y =0 , v =5082



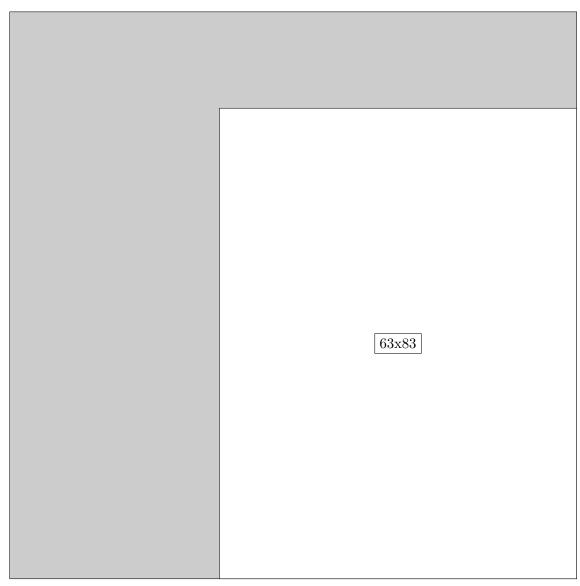
 $\le =69$  , h=61 , x=31 , y=0 , v=4209



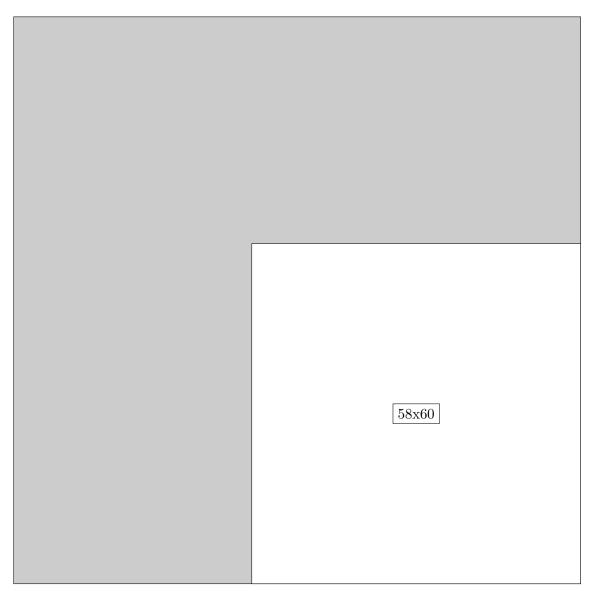
 $\le =64$  , h=69 , x=36 , y=0 , v=4416



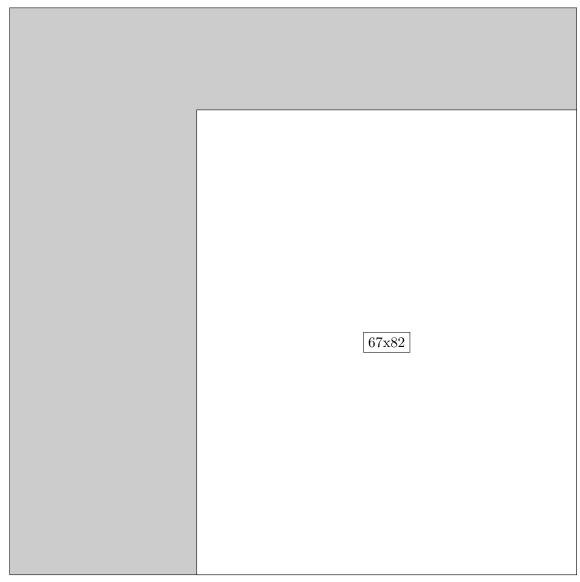
 $\le =79$  , h =60 , x =21 , y =0 , v =4740



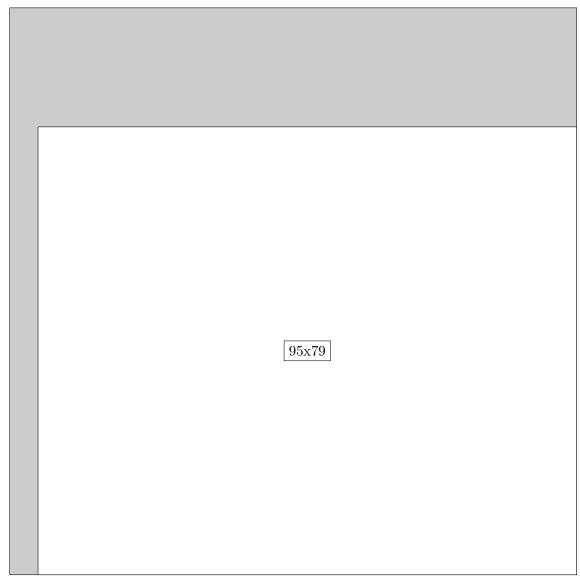
 $\le =63$  , h =83 , x =37 , y =0 , v =5229



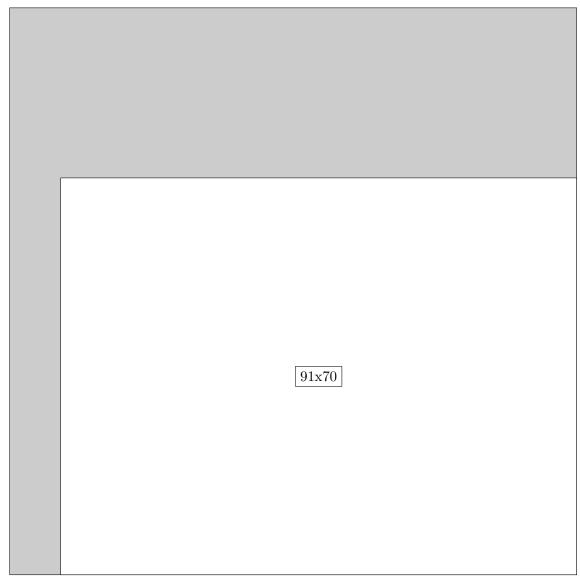
 $\le =58$  , h=60 , x=42 , y=0 , v=3480



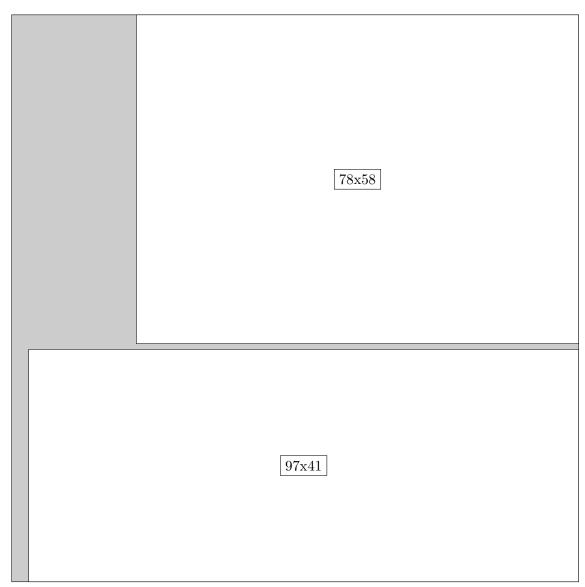
 $\le =67$  , h =82 , x =33 , y =0 , v = 5494



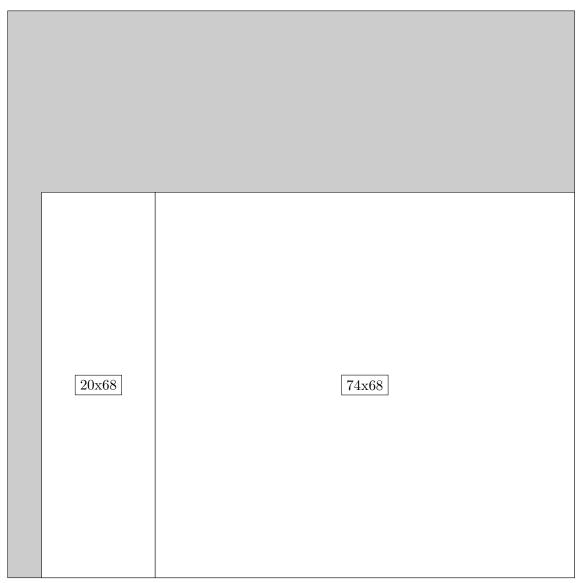
 $\le =95$  , ==79 , ==5 , ==7505



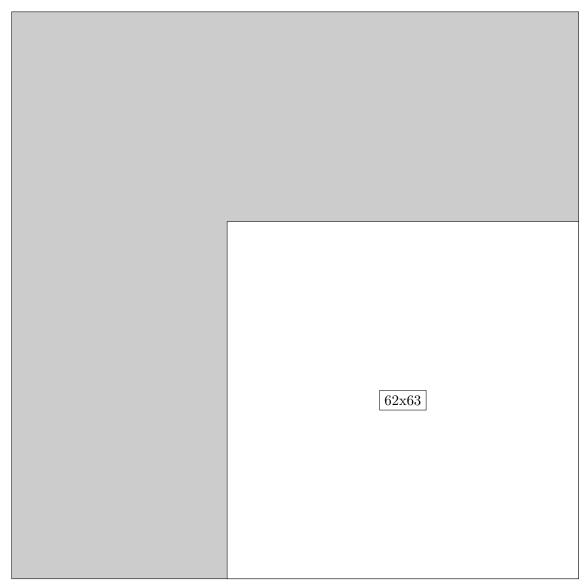
 $\le =91$  , h =70 , x =9 , y =0 , v =6370



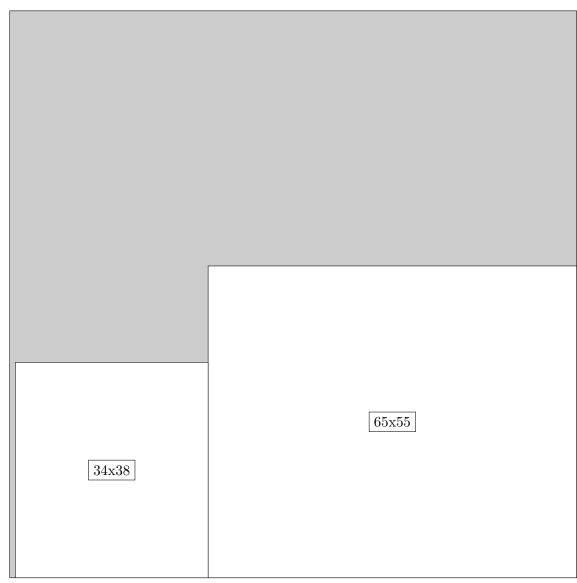
$$\begin{array}{l} w = 97 \; , \; h = \!\! 41 \; , \; x = \!\! 3 \; , \; y = \!\! 0 \; , \; v = \!\! 3977 \\ w = \!\! 78 \; , \; h = \!\! 58 \; , \; x = \!\! 22 \; , \; y = \!\! 42 \; , \; v = \!\! 4524 \end{array}$$



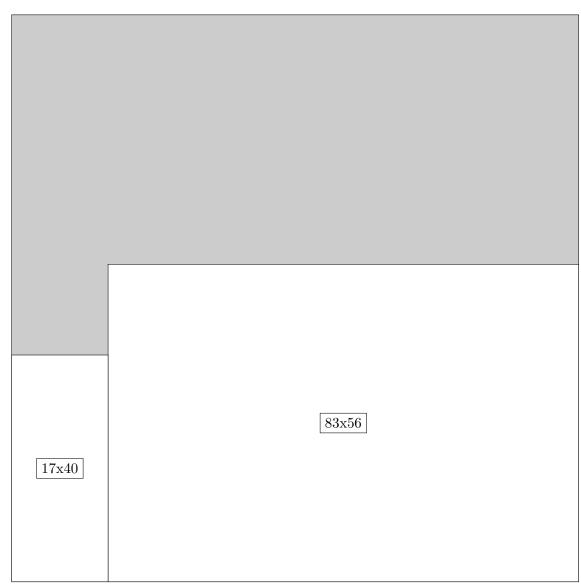
 $\begin{array}{l} w = \! 74 \ , \ h = \! 68 \ , \ x = \! 26 \ , \ y = \! 0 \ , \ v = \! 5032 \\ w = \! 20 \ , \ h = \! 68 \ , \ x = \! 6 \ , \ y = \! 0 \ , \ v = \! 1360 \end{array}$ 



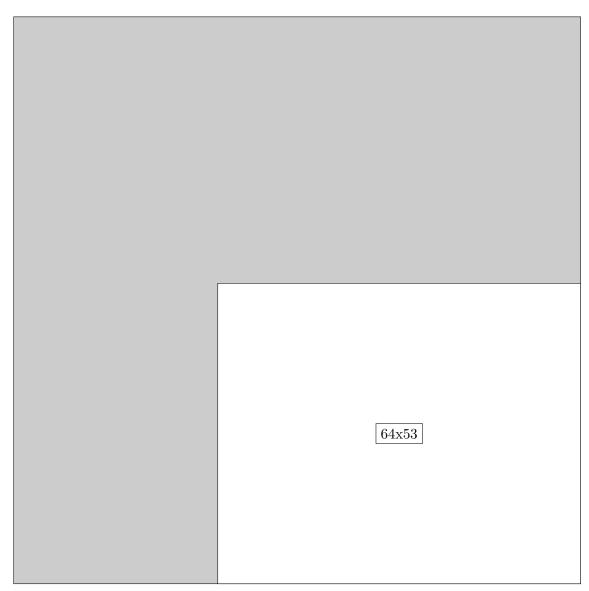
 $\le =62$  , h=63 , x=38 , y=0 , v=3906



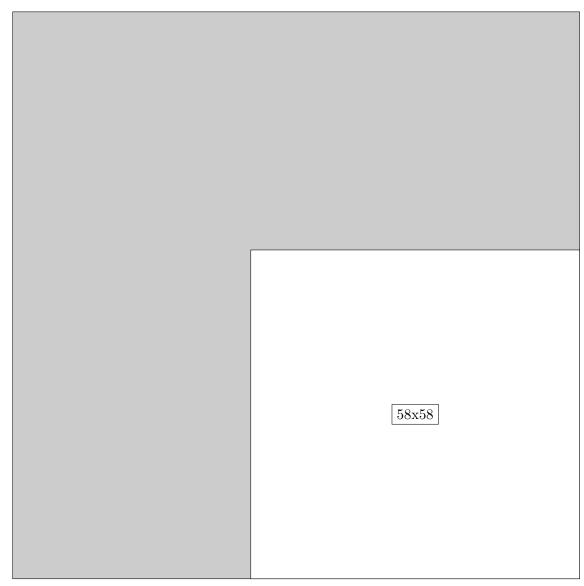
$$\begin{array}{l} w = \! 65 \ , \ h = \! 55 \ , \ x = \! 35 \ , \ y = \! 0 \ , \ v = \! 3575 \\ w = \! 34 \ , \ h = \! 38 \ , \ x = \! 1 \ , \ y = \! 0 \ , \ v = \! 1292 \end{array}$$



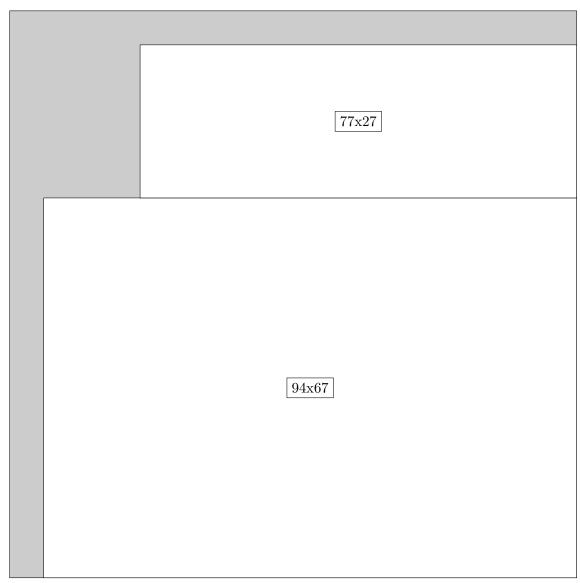
$$\begin{array}{l} w = \! 83 \ , \ h = \! 56 \ , \ x = \! 17 \ , \ y = \! 0 \ , \ v = \! 4648 \\ w = \! 17 \ , \ h = \! 40 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 680 \end{array}$$



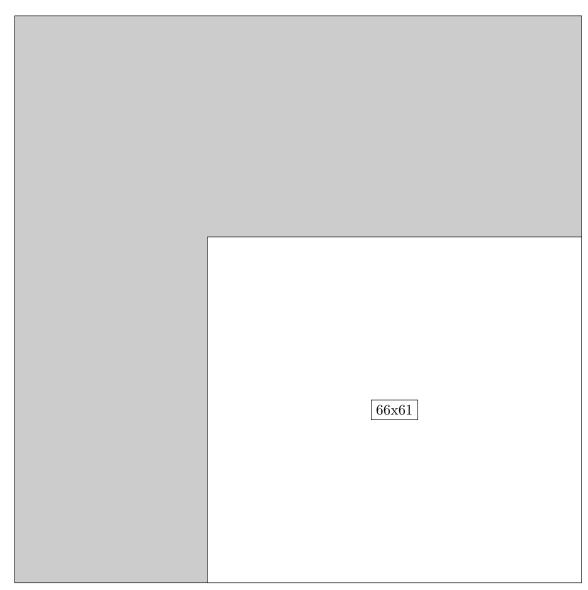
 $\le =64$  , h =53 , x =36 , y =0 , v =3392



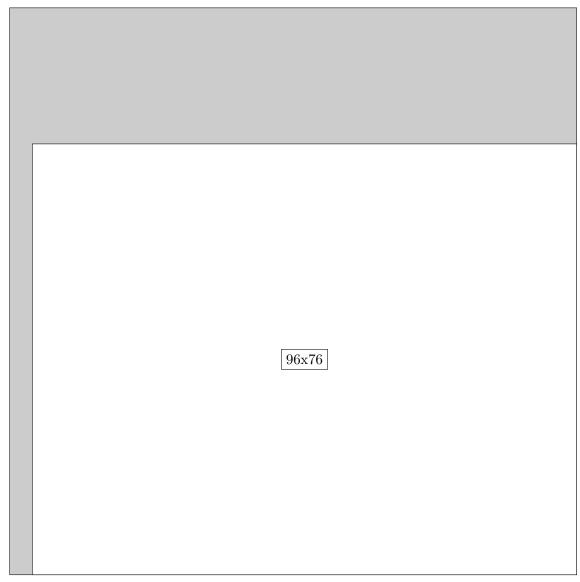
 $\le 58$  , h = 58 , x = 42 , y = 0 , v = 3364



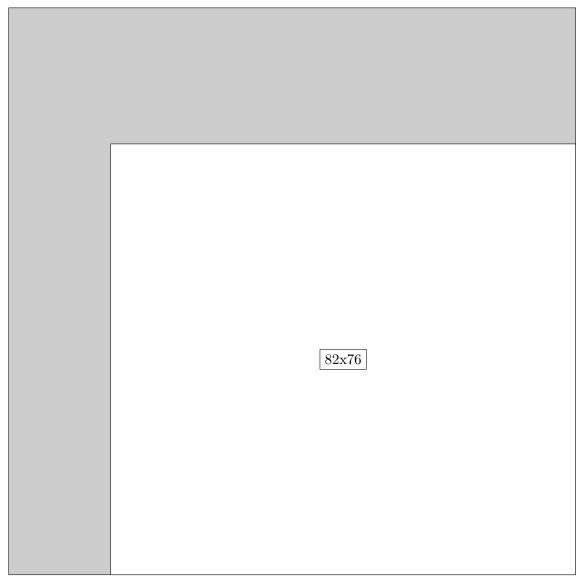
$$\begin{array}{l} w = 94 \; , \; h = 67 \; , \; x = 6 \; , \; y = 0 \; , \; v = 6298 \\ w = 77 \; , \; h = 27 \; , \; x = 23 \; , \; y = 67 \; , \; v = 2079 \end{array}$$



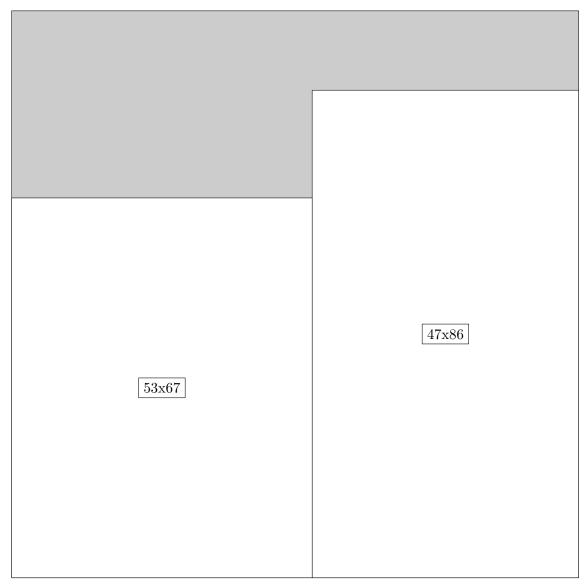
 $\le =66$  , h=61 , x=34 , y=0 , v=4026



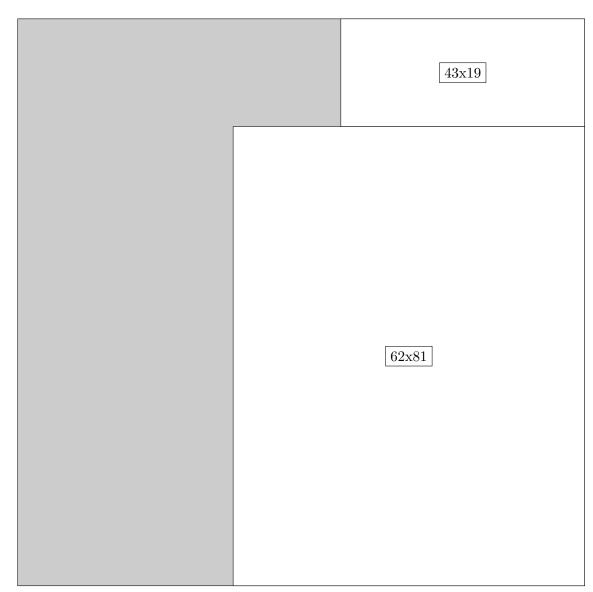
=96 , h=76 , x=4 , y=0 , v=7296



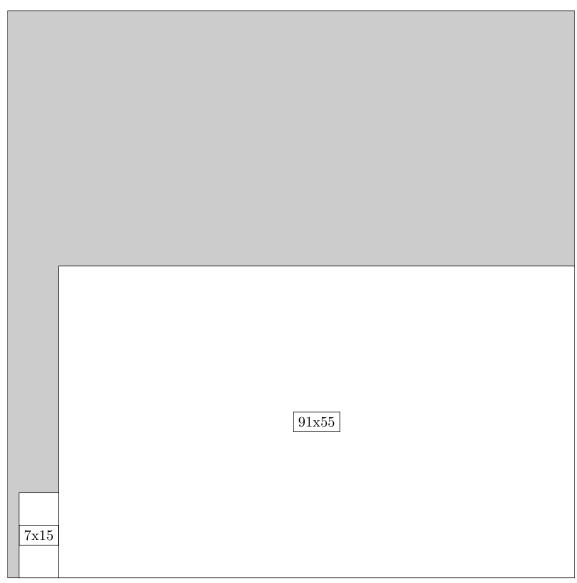
 $\le =82$  , h =76 , x =18 , y =0 , v =6232



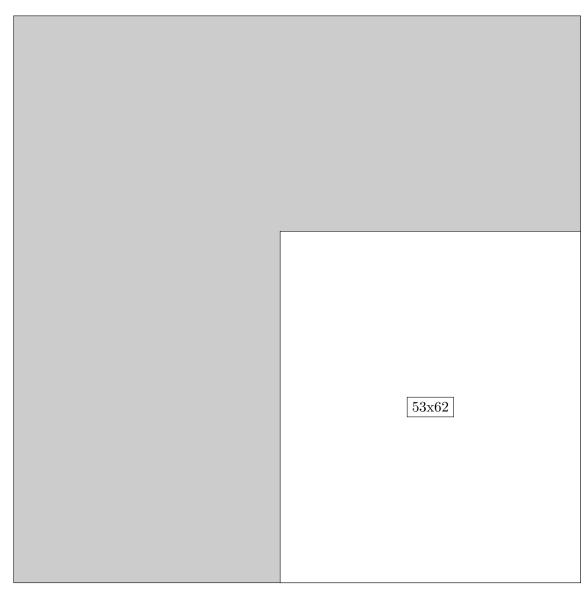
$$\begin{array}{l} w = \!\! 47 \ , \ h = \!\! 86 \ , \ x = \!\! 53 \ , \ y = \!\! 0 \ , \ v = \!\! 4042 \\ w = \!\! 53 \ , \ h = \!\! 67 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 3551 \end{array}$$



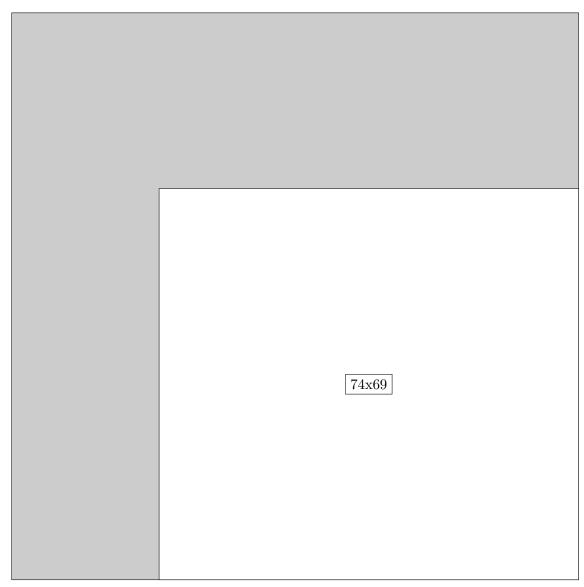
$$\begin{array}{l} w = \!\!62 \ , \ h = \!\!81 \ , \ x = \!\!38 \ , \ y = \!\!0 \ , \ v = \!\!5022 \\ w = \!\!43 \ , \ h = \!\!19 \ , \ x = \!\!57 \ , \ y = \!\!81 \ , \ v = \!\!817 \end{array}$$



 $\begin{array}{l} w = \! 91 \ , \, h = \! 55 \ , \, x = \! 9 \ , \, y = \! 0 \ , \, v = \! 5005 \\ w = \! 7 \ , \, h = \! 15 \ , \, x = \! 2 \ , \, y = \! 0 \ , \, v = \! 105 \end{array}$ 



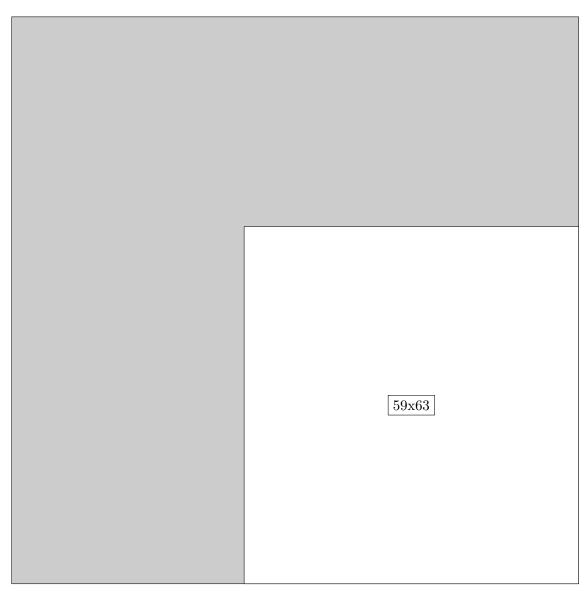
 $\le =53$  , h =62 , x =47 , y =0 , v =3286



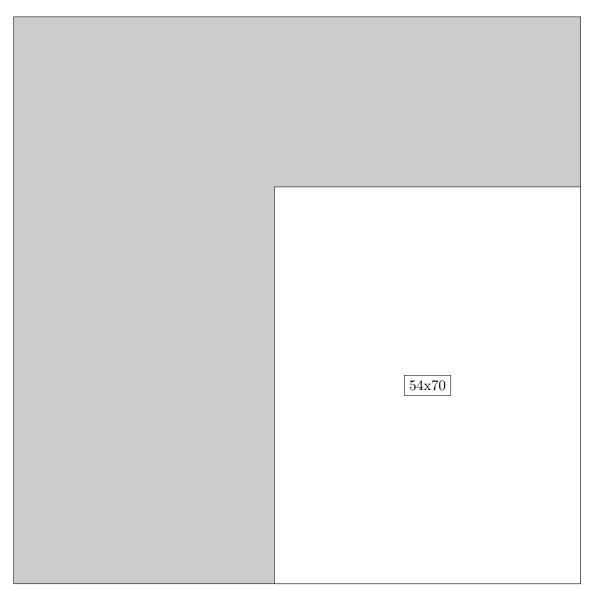
 $\le =74$  , h =69 , x =26 , y =0 , v =5106



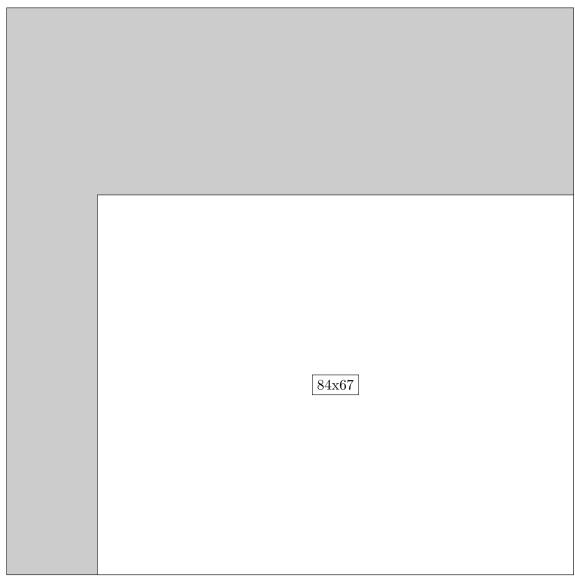
$$\begin{array}{l} w = 72 \ , \ h = \!\! 57 \ , \ x = \!\! 28 \ , \ y = \!\! 0 \ , \ v = \!\! 4104 \\ w = \!\! 72 \ , \ h = \!\! 42 \ , \ x = \!\! 28 \ , \ y = \!\! 57 \ , \ v = \!\! 3024 \end{array}$$



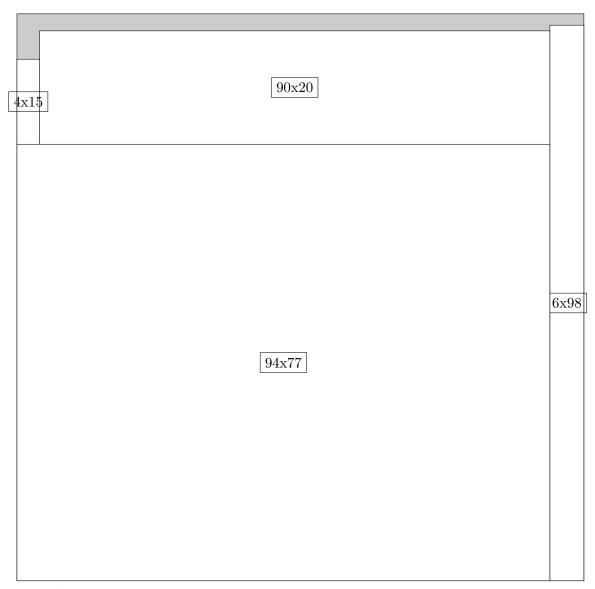
 $\le =59$  , h =63 , x =41 , y =0 , v =3717



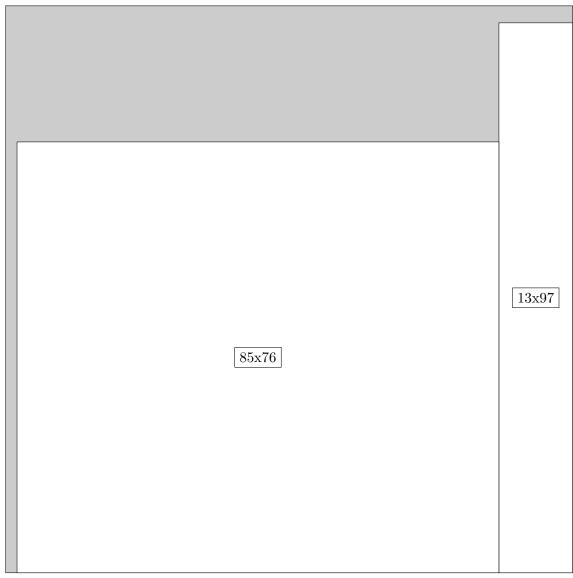
 $\le 54$  , h = 70 , x = 46 , y = 0 , v = 3780

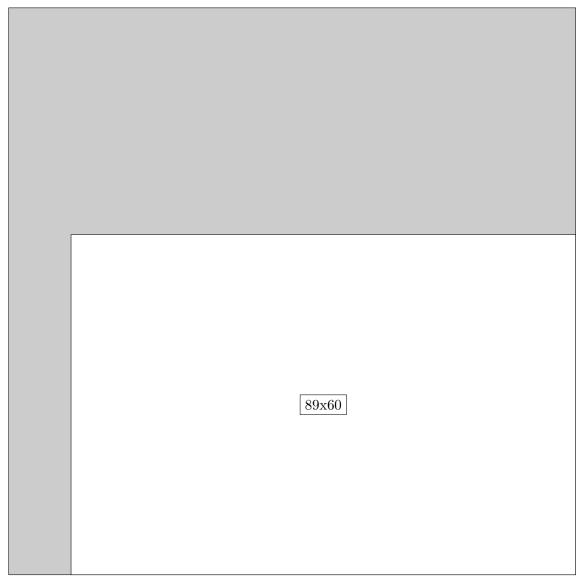


 $\le =84$  , h =67 , x =16 , y =0 , v =5628

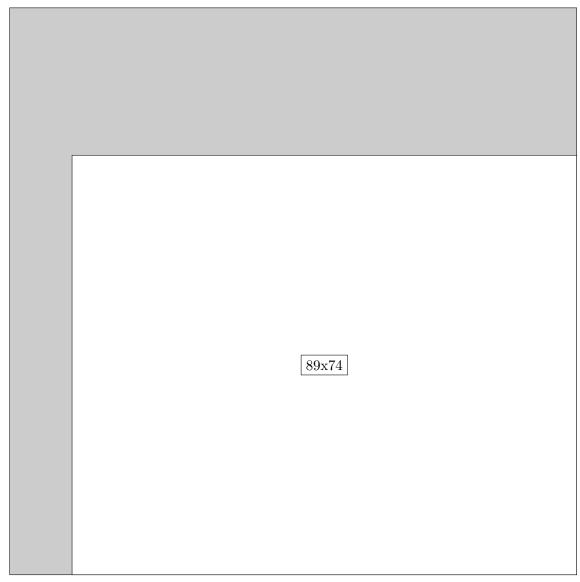


$$\begin{array}{l} w=6\ ,\, h=\!98\ ,\, x=\!94\ ,\, y=\!0\ ,\, v=\!588\\ w=\!94\ ,\, h=\!77\ ,\, x=\!0\ ,\, y=\!0\ ,\, v=\!7238\\ w=\!90\ ,\, h=\!20\ ,\, x=\!4\ ,\, y=\!77\ ,\, v=\!1800\\ w=\!4\ ,\, h=\!15\ ,\, x=\!0\ ,\, y=\!77\ ,\, v=\!60 \end{array}$$





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



 $\le =89$  , h =74 , x =11 , y =0 , v =6586