$ClassName: \ Class_09.2bp-32$

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

TypeNum: <u>80</u> Num: <u>80</u> OutS: <u>570000</u> InS: <u>350975</u> Rate: <u>0.616</u> UB: <u>57</u> LB0: <u>57</u>

LBWithCut: $\underline{\bf 57}$ NodeCut: $\underline{\bf 0}$

LB: **57**

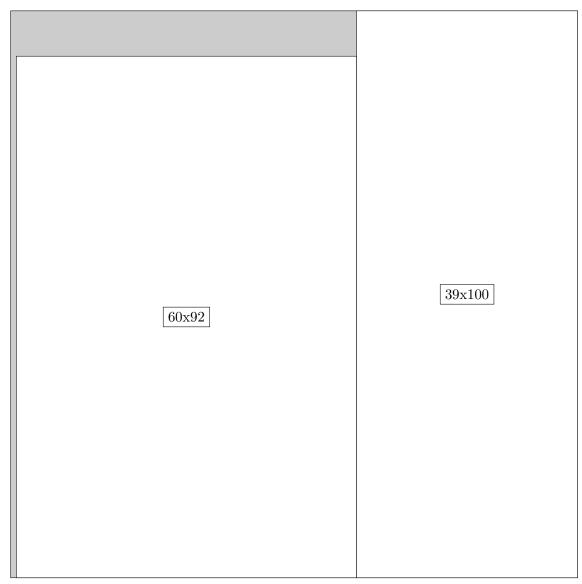
ExtendedNodeCnt: $\underline{\mathbf{1}}$

GenNodeCnt: $\underline{\mathbf{1}}$ PrimalNode: $\underline{\mathbf{0}}$ ColumnCount: $\underline{\mathbf{57}}$ TotalCutCount: $\underline{\mathbf{0}}$ RootCutCount: $\underline{\mathbf{0}}$ LPSolverCnt: $\underline{\mathbf{1}}$ PricingSolverCnt: $\underline{\mathbf{0}}$ BranchAndBoundNum: $\underline{\mathbf{1}}$

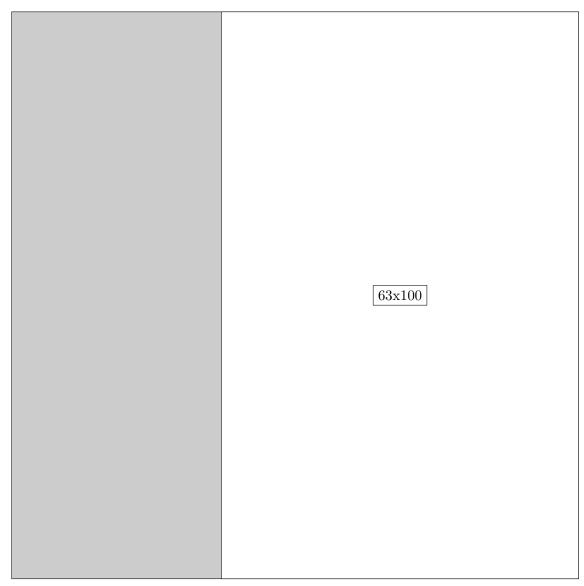
isOpt: **true**

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

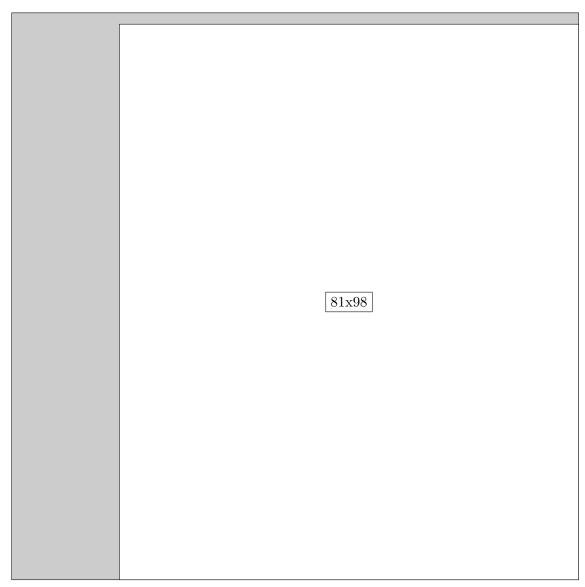
TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.062 sTotalTime: 600.313 s



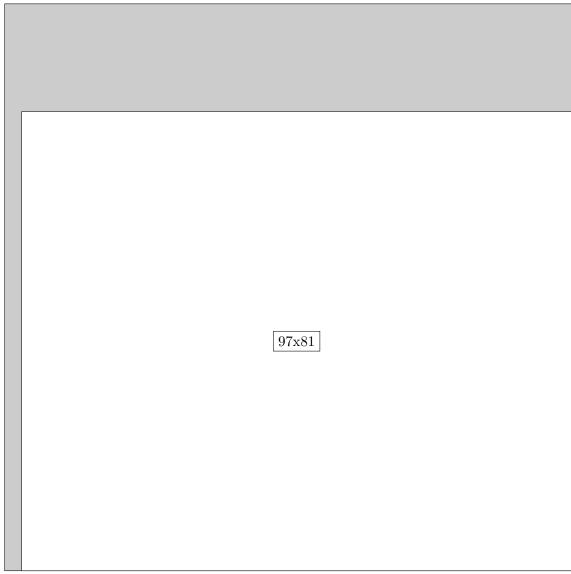
 $\begin{array}{l} w = & 39 \ , \ h = & 100 \ , \ x = & 61 \ , \ y = & 0 \ , \ v = & 3900 \\ w = & 60 \ , \ h = & 92 \ , \ x = & 1 \ , \ y = & 0 \ , \ v = & 5520 \\ \end{array}$



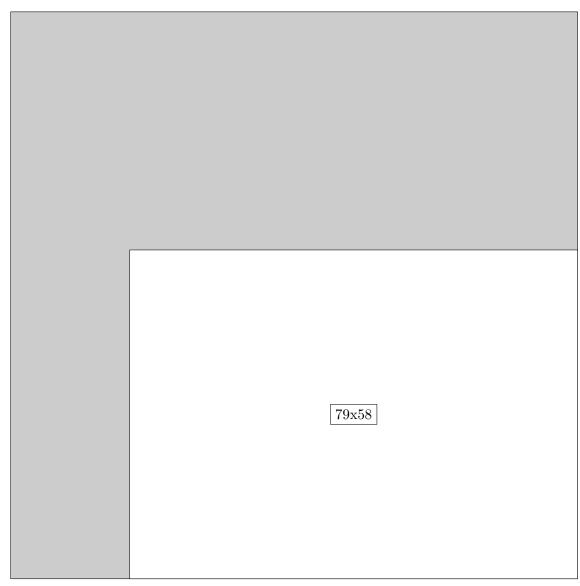
 $\le =63$, h = 100 , x = 37 , y = 0 , v = 6300



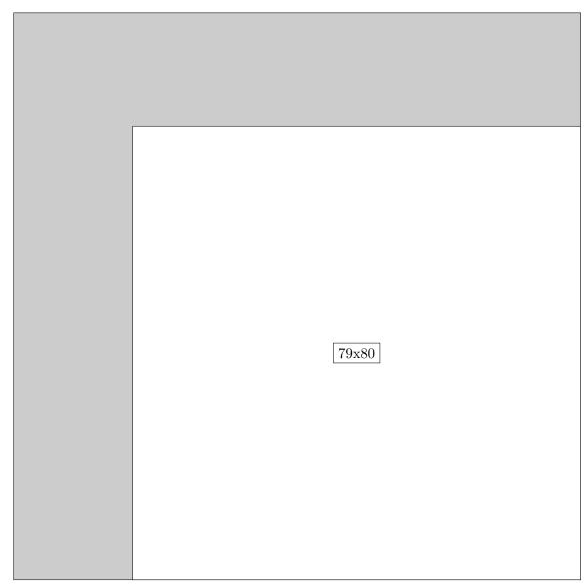
 $\le =81$, h =98 , x =19 , y =0 , v =7938



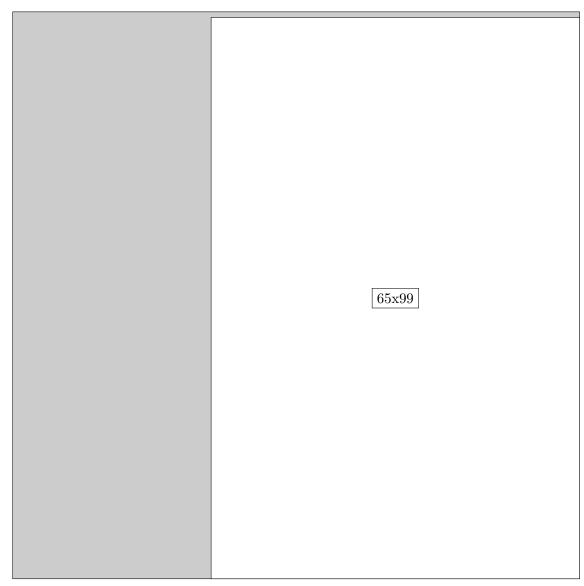
 $\le =97$, h =81 , x =3 , y =0 , v =7857



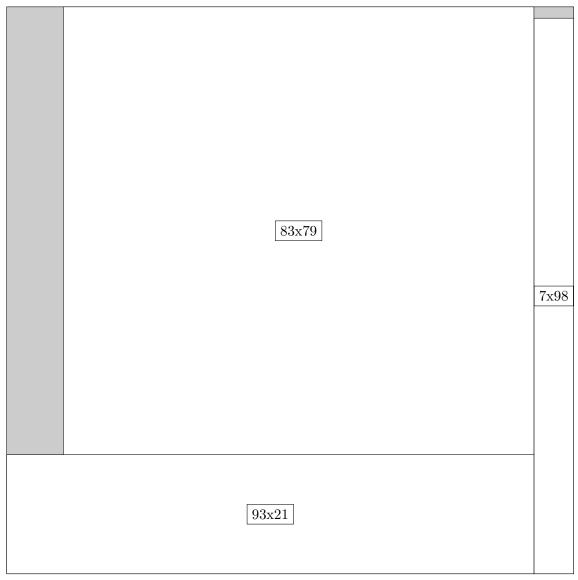
 $\le =79$, h =58 , x =21 , y =0 , v =4582



 $\le =79$, h =80 , x =21 , y =0 , v =6320



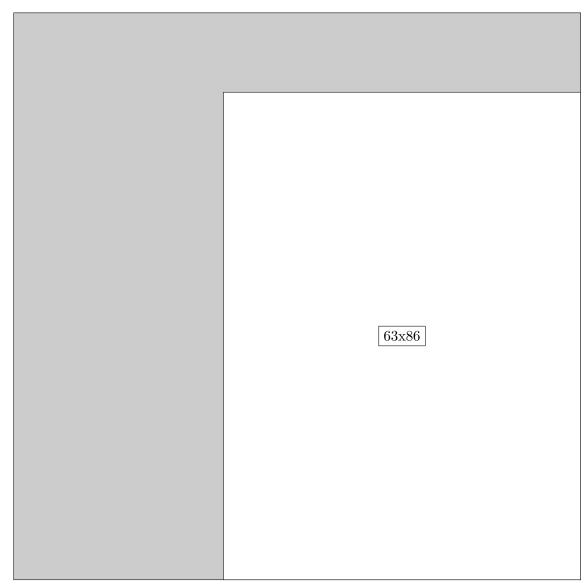
 $\le =65$, h =99 , x =35 , y =0 , v =6435



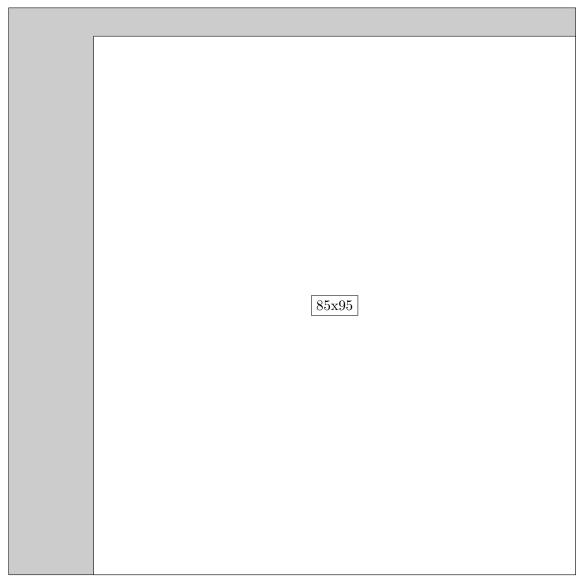
$$w = 7$$
, $h = 98$, $x = 93$, $y = 0$, $v = 686$

$$\le =93$$
 , h =21 , x =0 , y =0 , v =1953

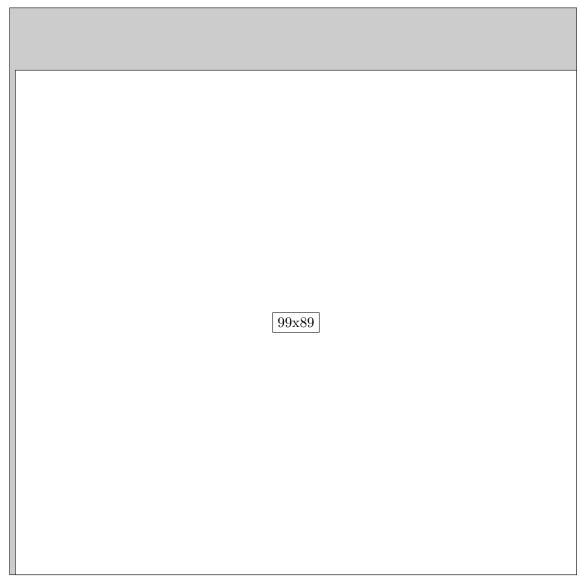
$$\le =83$$
 , h =79 , x =10 , y =21 , v =6557



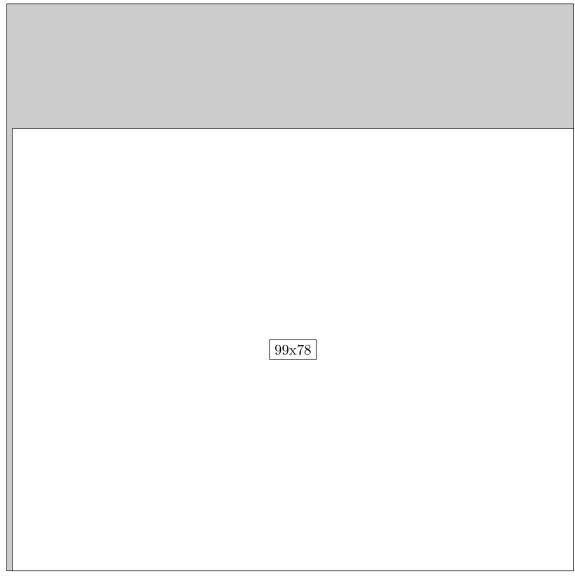
 $\le =63$, h =86 , x =37 , y =0 , v =5418



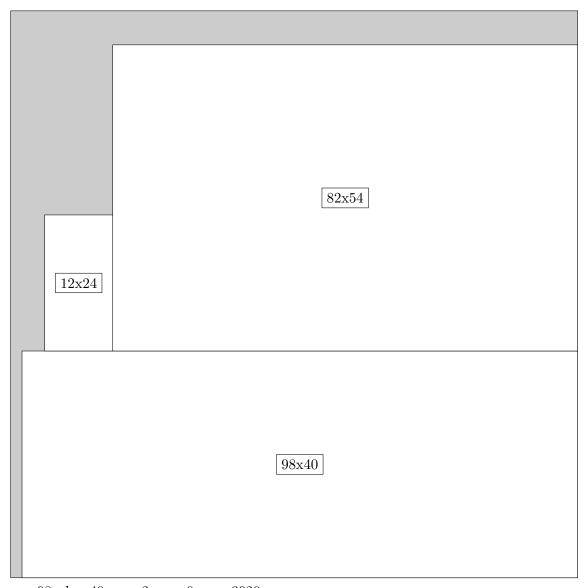
 $\le =85$, h =95 , x =15 , y =0 , v =8075



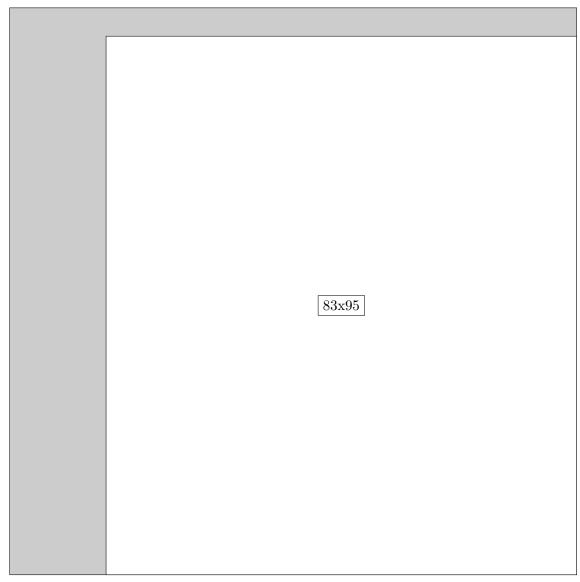
 $\le =99$, h =89 , x =1 , y =0 , v =8811



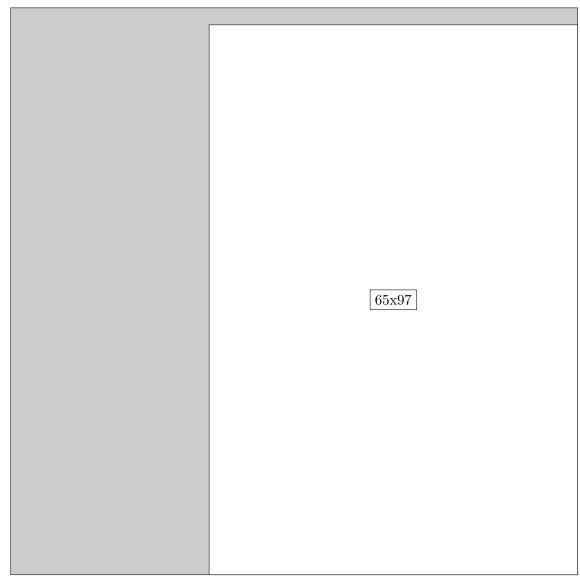
 $\le =99$, h =78 , x =1 , y =0 , v =7722



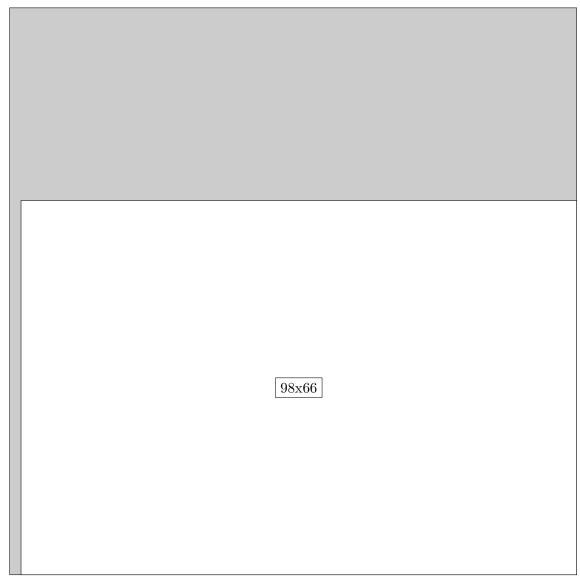
$$\begin{array}{l} w = \! 98 \ , \ h = \! 40 \ , \ x = \! 2 \ , \ y = \! 0 \ , \ v = \! 3920 \\ w = \! 82 \ , \ h = \! 54 \ , \ x = \! 18 \ , \ y = \! 40 \ , \ v = \! 4428 \\ w = \! 12 \ , \ h = \! 24 \ , \ x = \! 6 \ , \ y = \! 40 \ , \ v = \! 288 \end{array}$$



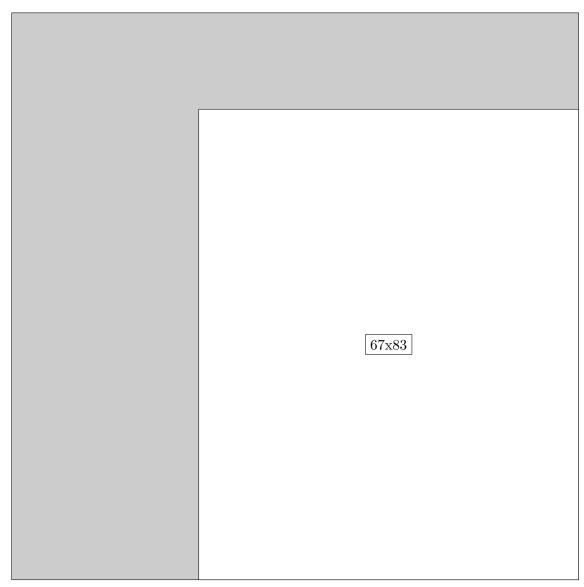
 $\le =83$, h =95 , x =17 , y =0 , v =7885



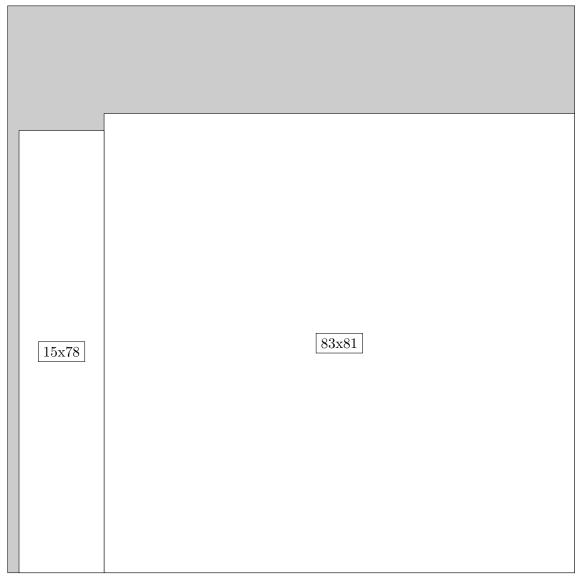
 $\le =65$, h=97 , x=35 , y=0 , v=6305



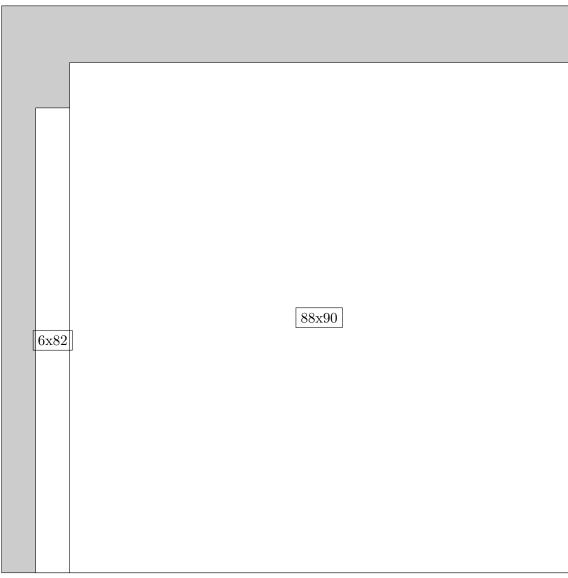
=98 , h =66 , x =2 , y =0 , v =6468



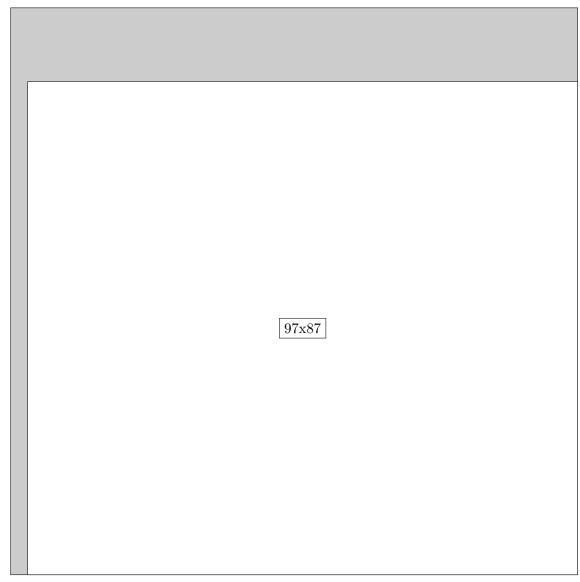
 $\le =67$, h =83 , x =33 , y =0 , v =5561



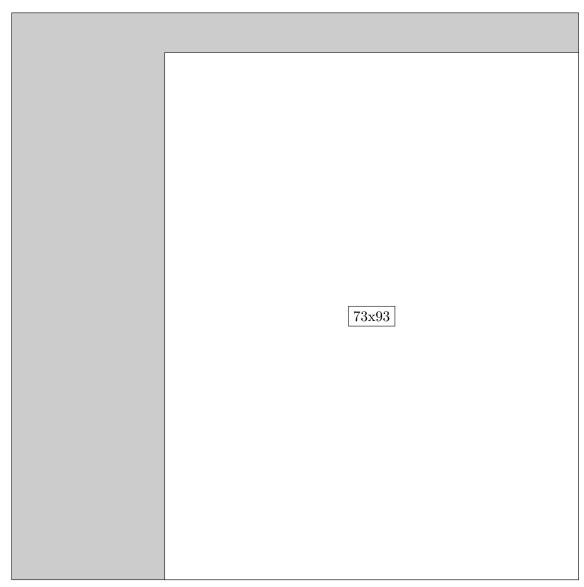
$$\begin{array}{l} w = \! 83 \ , \ h = \! 81 \ , \ x = \! 17 \ , \ y = \! 0 \ , \ v = \! 6723 \\ w = \! 15 \ , \ h = \! 78 \ , \ x = \! 2 \ , \ y = \! 0 \ , \ v = \! 1170 \end{array}$$



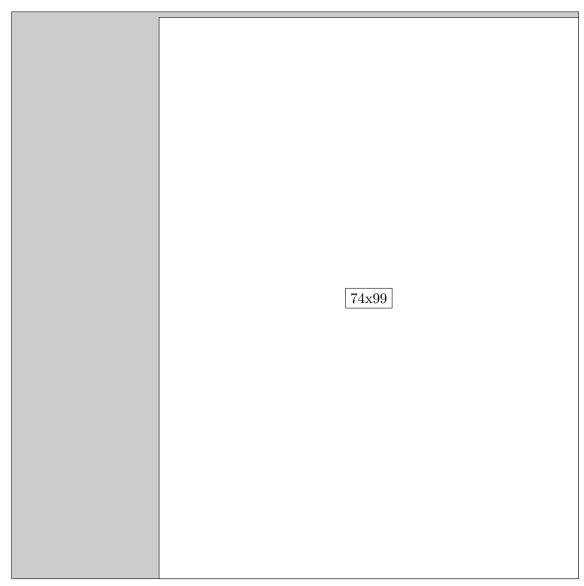
$$\begin{array}{l} w = \! 88 \; , \; h = \! 90 \; , \; x = \! 12 \; , \; y = \! 0 \; , \; v = \! 7920 \\ w = \! 6 \; , \; h = \! 82 \; , \; x = \! 6 \; , \; y = \! 0 \; , \; v = \! 492 \end{array}$$



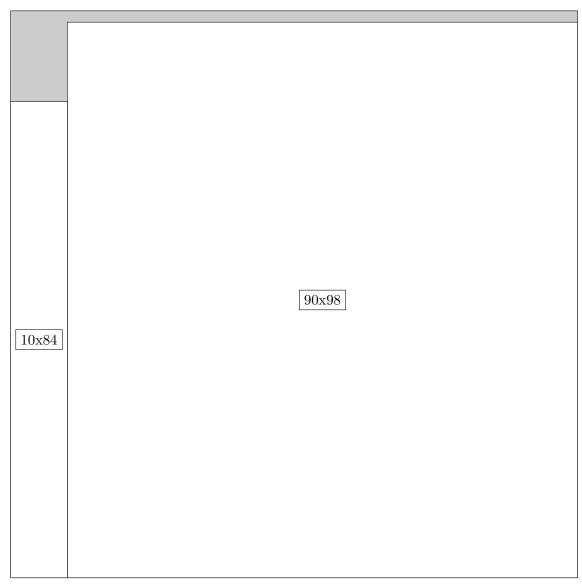
 $\le =97$, h =87 , x =3 , y =0 , v =8439



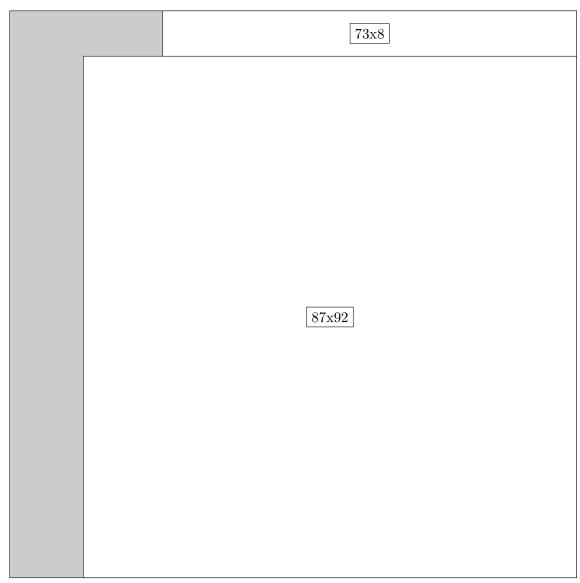
 $\le =73$, h =93 , x =27 , y =0 , v =6789

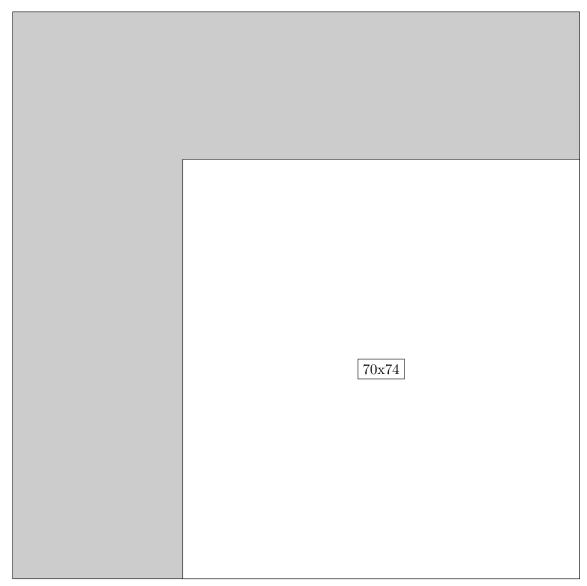


 $\le =74$, h =99 , x =26 , y =0 , v =7326

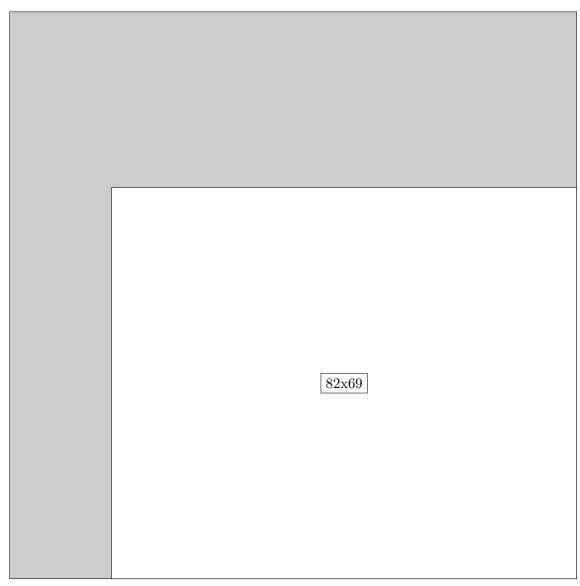


$$\begin{array}{l} w = \! 90 \ , \ h = \! 98 \ , \ x = \! 10 \ , \ y = \! 0 \ , \ v = \! 8820 \\ w = \! 10 \ , \ h = \! 84 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 840 \end{array}$$

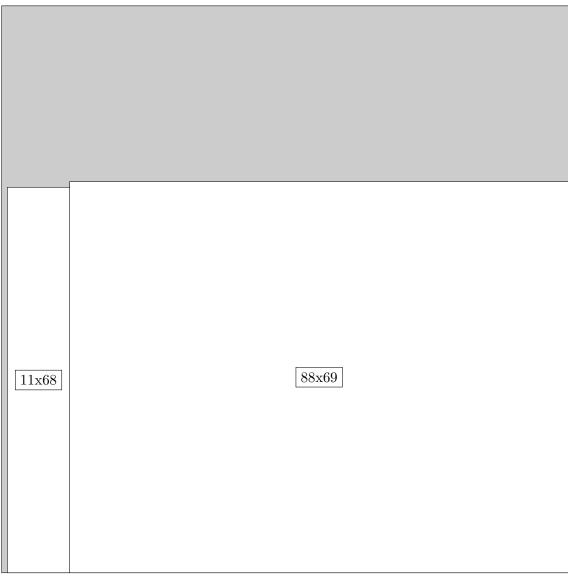


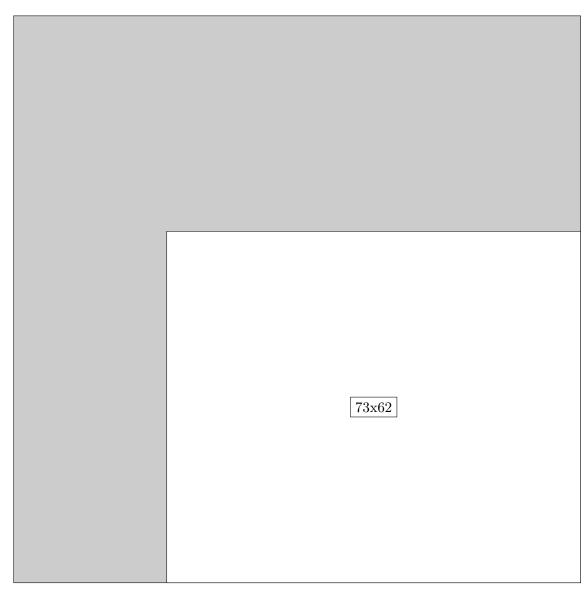


 $\le =70$, h =74 , x =30 , y =0 , v =5180

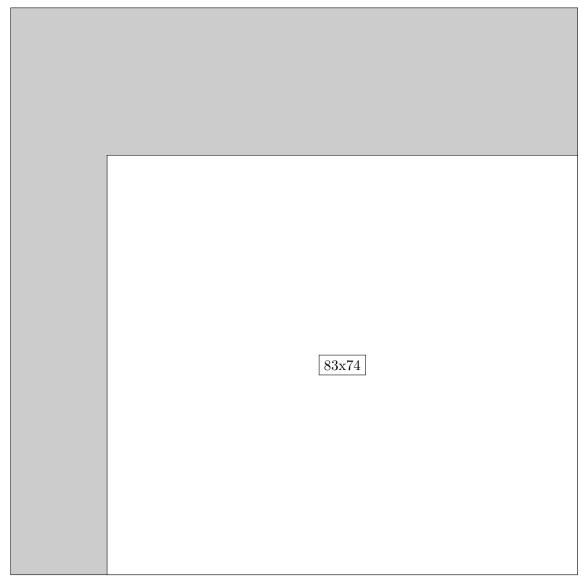


 $\le =82$, h=69 , x=18 , y=0 , v=5658

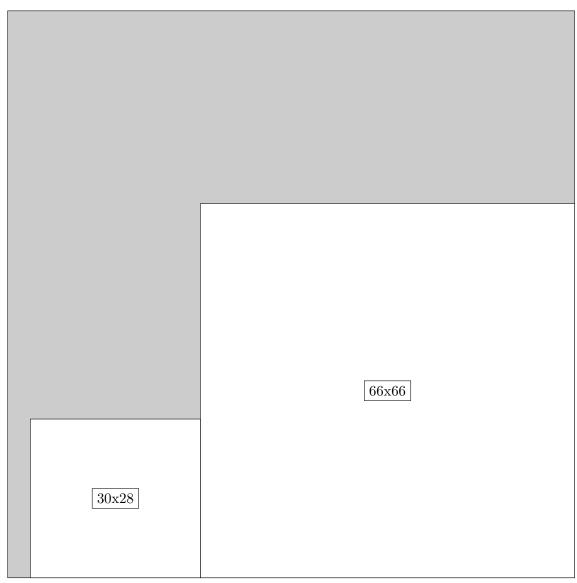




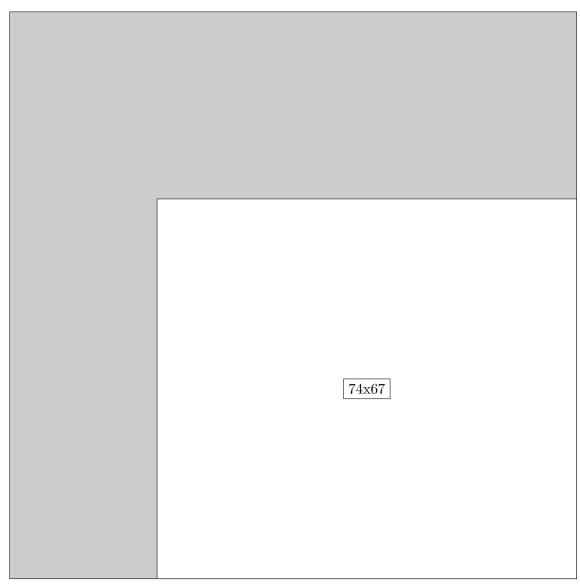
 $\le =73$, h =62 , x =27 , y =0 , v =4526



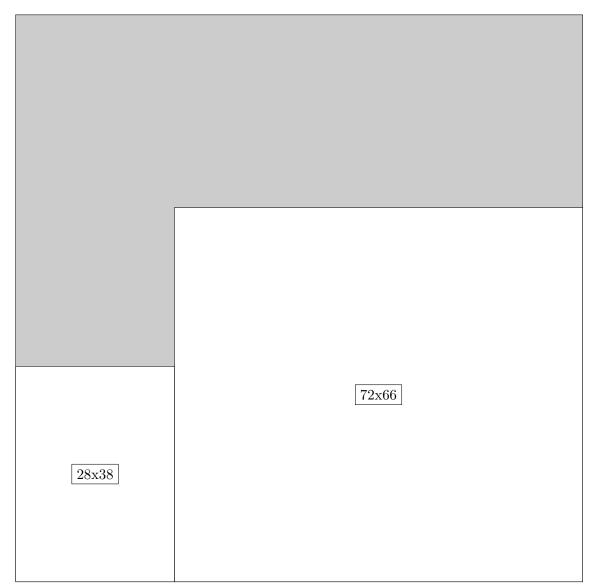
 $\le =83$, h =74 , x =17 , y =0 , v =6142



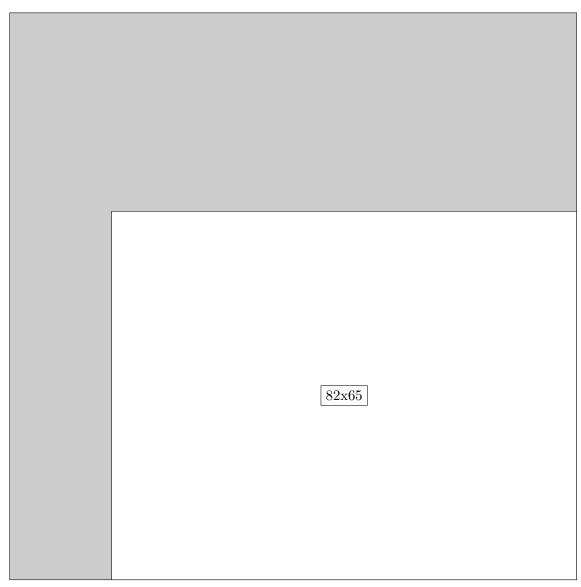
$$\begin{array}{c} w = \!\! 66 \ , \ h = \!\! 66 \ , \ x = \!\! 34 \ , \ y = \!\! 0 \ , \ v = \!\! 4356 \\ w = \!\! 30 \ , \ h = \!\! 28 \ , \ x = \!\! 4 \ , \ y = \!\! 0 \ , \ v = \!\! 840 \\ \end{array}$$



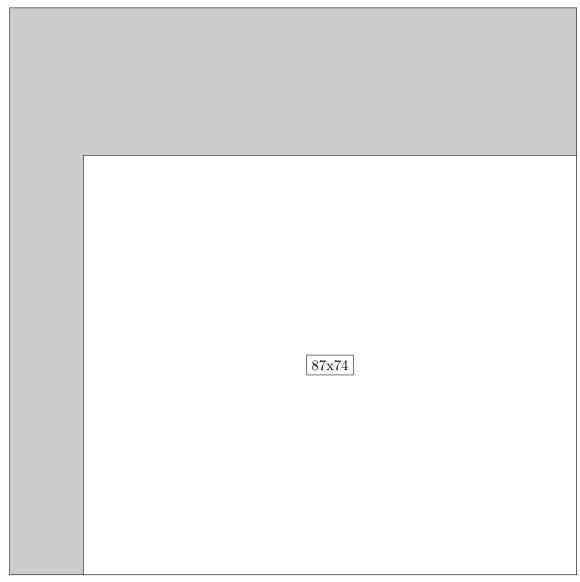
 $\le =74$, = 67 , = 26 , y = 0 , v = 4958



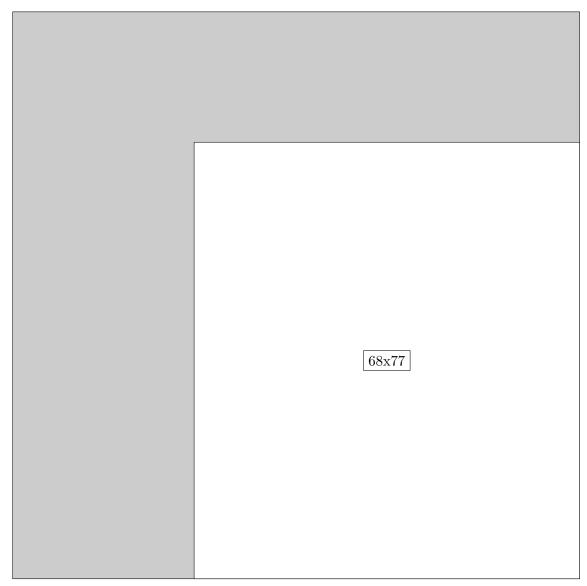
$$\begin{array}{l} w = \!\!\! 72 \ , \ h = \!\!\! 66 \ , \ x = \!\!\! 28 \ , \ y = \!\!\! 0 \ , \ v = \!\!\! 4752 \\ w = \!\!\! 28 \ , \ h = \!\!\! 38 \ , \ x = \!\!\! 0 \ , \ y = \!\!\! 0 \ , \ v = \!\!\! 1064 \end{array}$$



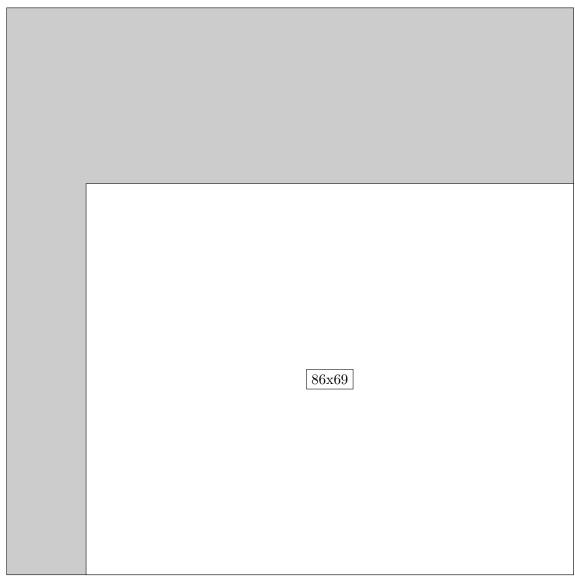
 $\le =82$, h=65 , x=18 , y=0 , v=5330



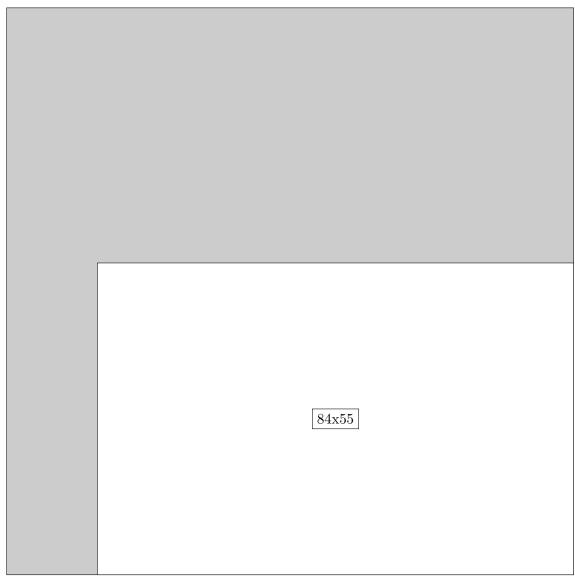
 $\le =87$, h =74 , x =13 , y =0 , v =6438



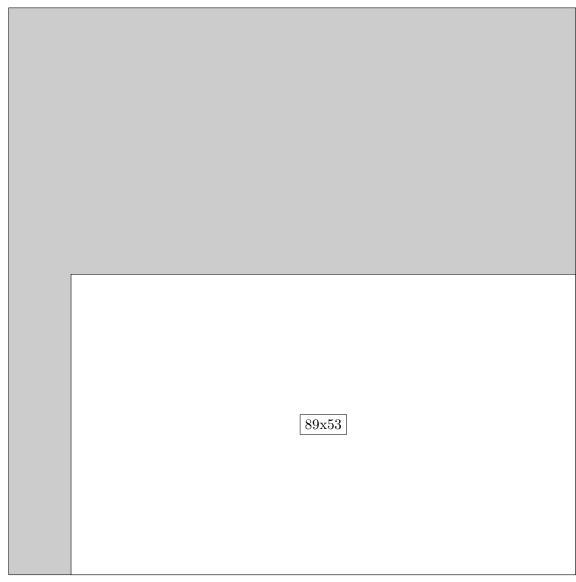
 $\le =68$, h =77 , x =32 , y =0 , v =5236



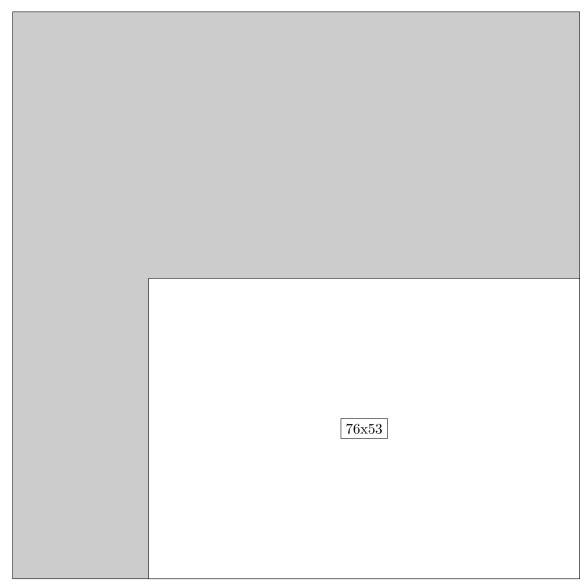
 $\le =86$, h=69 , x=14 , y=0 , v=5934



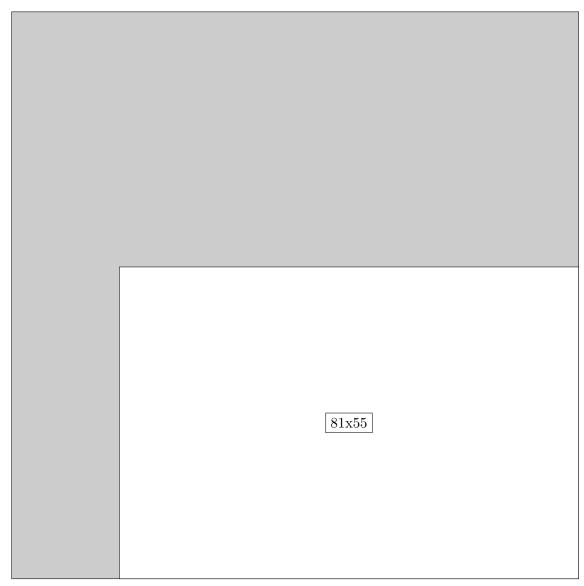
 $\le =84$, h = 55 , x = 16 , y = 0 , v = 4620



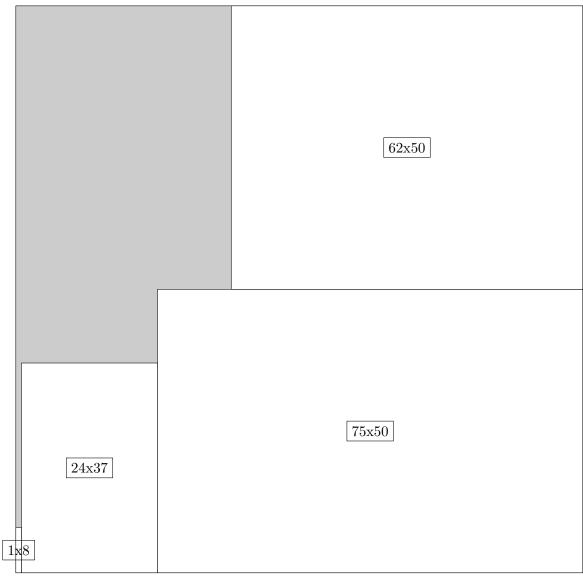
 $\le =89$, h =53 , x =11 , y =0 , v =4717



 $\le =76$, h =53 , x =24 , y =0 , v =4028



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

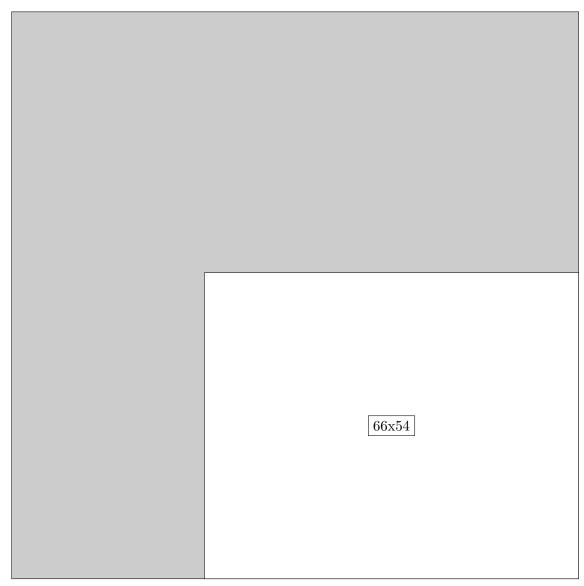


 ≤ -75 , h = 50 , x = 25 , y = 0 , v = 3750

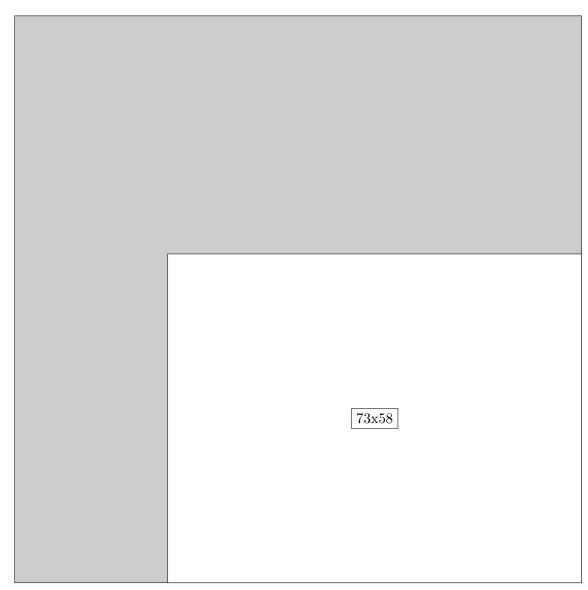
 $\le =24$, h =37 , x =1 , y =0 , v =888

 \mathbf{w} =1 , h =8 , x =0 , y =0 , v =8

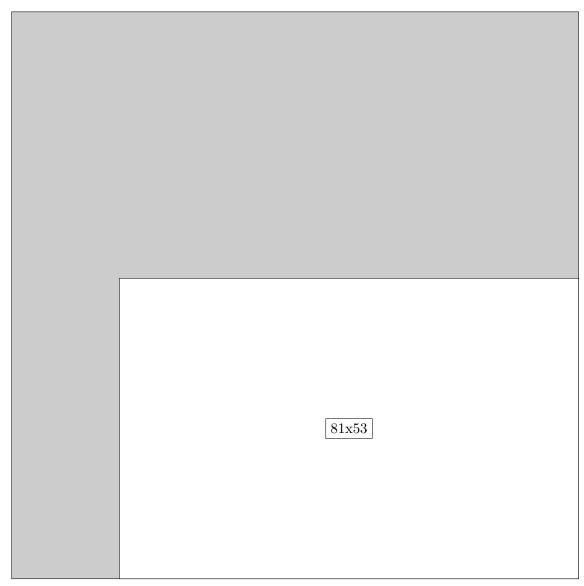
 $\le =62$, h=50 , x=38 , y=50 , v=3100



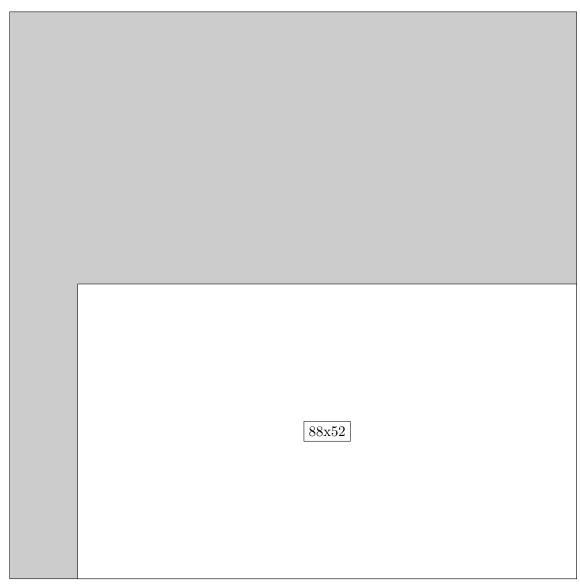
 $\le =66$, h =54 , x =34 , y =0 , v =3564



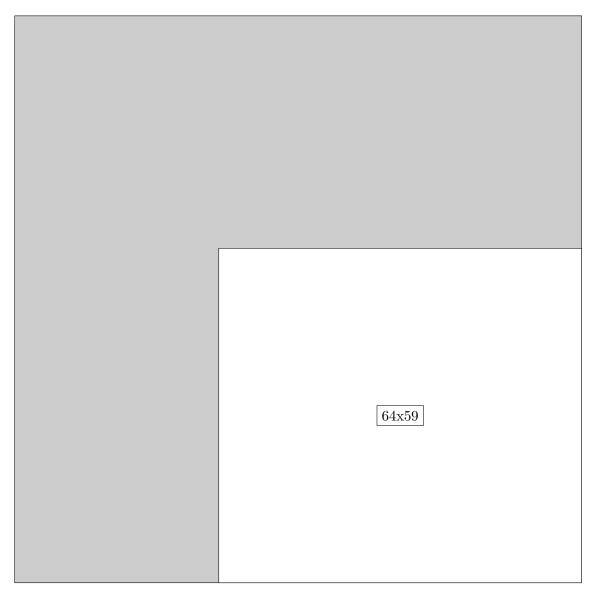
 $\le =73$, h =58 , x =27 , y =0 , v =4234



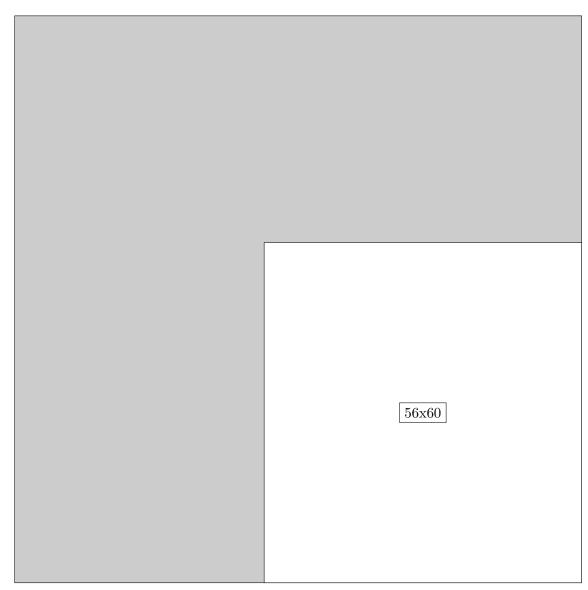
 $\le =81$, h =53 , x =19 , y =0 , v =4293



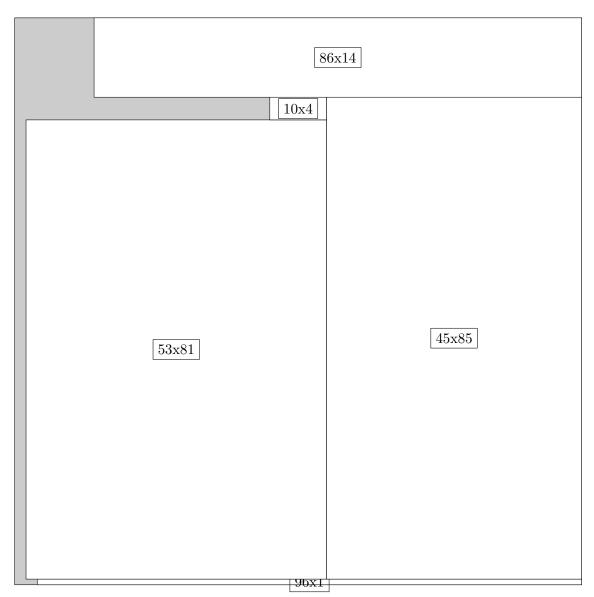
 $\le =88$, h =52 , x =12 , y =0 , v =4576



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



 $\le =56$, h=60 , x=44 , y=0 , v=3360

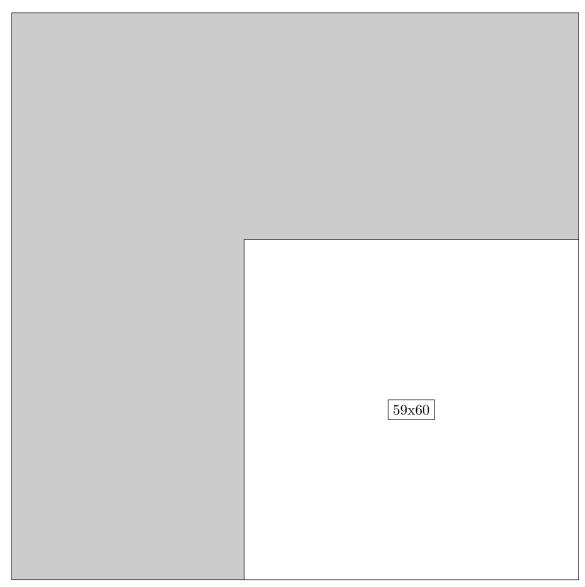


$$\le =96$$
 , h =1 , x =4 , y =0 , v =96

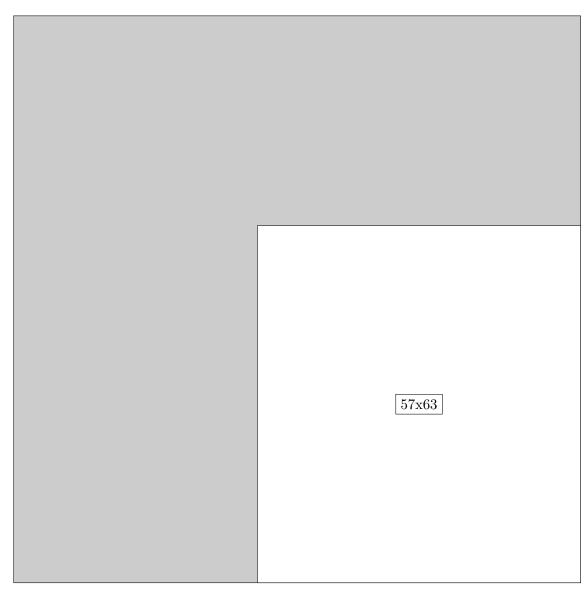
$$\mathbf{w}$$
 =45 , h =85 , x =55 , y =1 , v =3825

$$w = 53$$
, $h = 81$, $x = 2$, $y = 1$, $v = 4293$

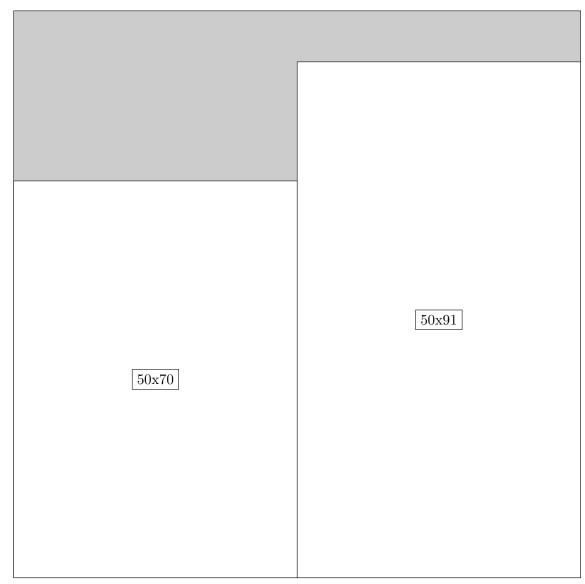
$$w=\!10$$
 , $h=\!4$, $x=\!\!45$, $y=\!\!82$, $v=\!\!40$



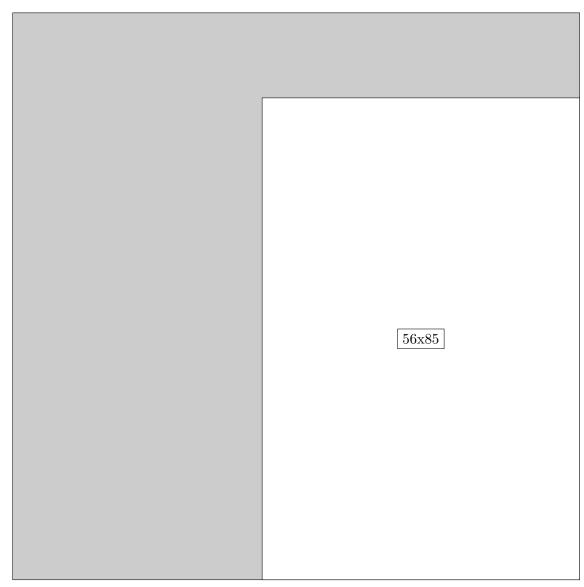
 $\le =59$, h =60 , x =41 , y =0 , v =3540



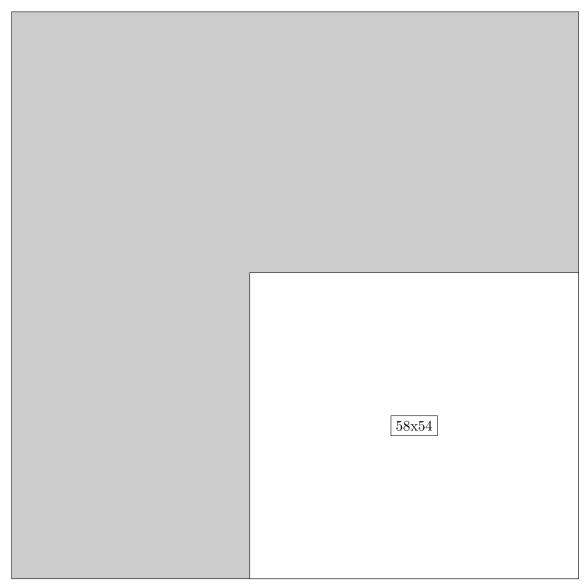
 $\le =57$, h =63 , x =43 , y =0 , v =3591



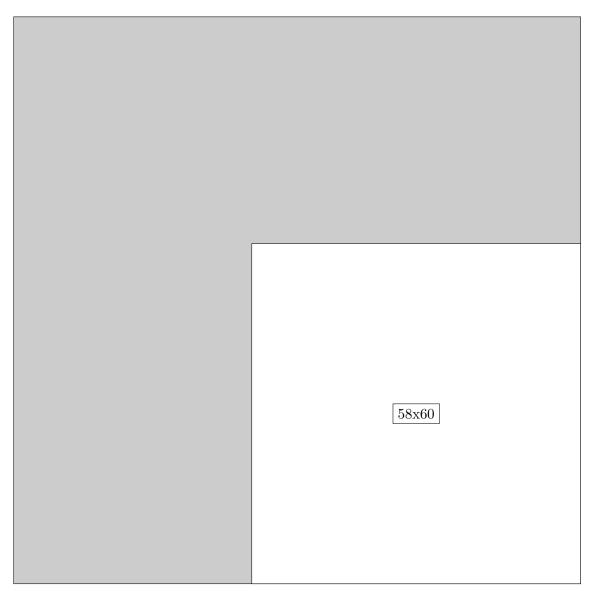
$$\begin{array}{l} w = \! 50 \ , \ h = \! 91 \ , \ x = \! 50 \ , \ y = \! 0 \ , \ v = \! 4550 \\ w = \! 50 \ , \ h = \! 70 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 3500 \end{array}$$



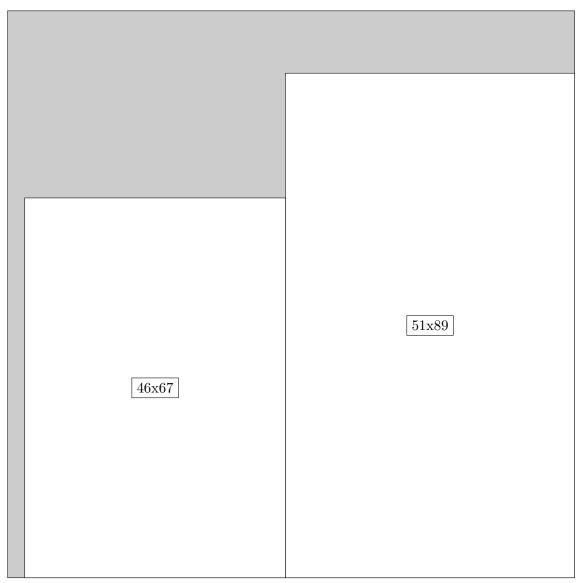
 $\le =56$, h = 85 , x = 44 , y = 0 , v = 4760



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



 ≤ 58 , h =60 , x =42 , y =0 , v =3480



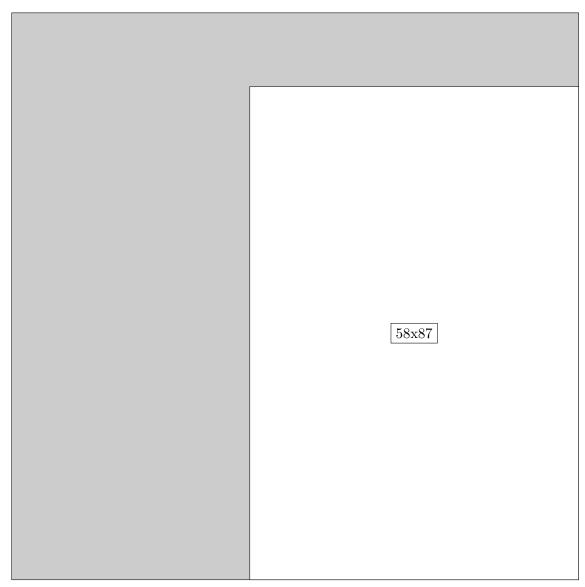
$$\begin{array}{l} w = \!\! 51 \ , \ h = \!\! 89 \ , \ x = \!\! 49 \ , \ y = \!\! 0 \ , \ v = \!\! 4539 \\ w = \!\! 46 \ , \ h = \!\! 67 \ , \ x = \!\! 3 \ , \ y = \!\! 0 \ , \ v = \!\! 3082 \end{array}$$

22x28	33x28
	58x71

$$\le 58$$
 , h =71 , x =42 , y =0 , v =4118

$$\le =33$$
 , h =28 , x =67 , y =71 , v =924

$$\le =22$$
 , h =28 , x =45 , y =71 , v =616



 ≤ -58 , h = 87 , x = 42 , y = 0 , v = 5046