$ClassName: \ Class_09.2bp-33$

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

TypeNum: <u>80</u> Num: <u>80</u> OutS: <u>530000</u> InS: <u>355788</u> Rate: <u>0.671</u> UB: <u>53</u> LB0: <u>53</u> LB: <u>53</u>

LBWithCut: $\underline{\mathbf{53}}$ NodeCut: $\underline{\mathbf{0}}$

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

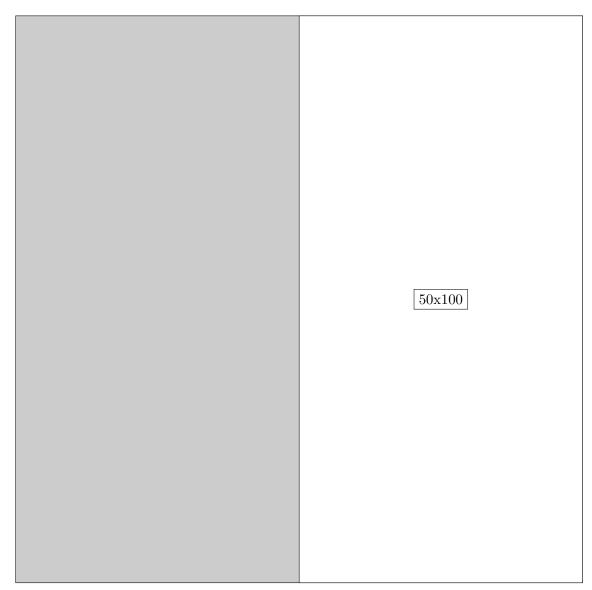
GenNodeCnt: 1
PrimalNode: 0
ColumnCount: 53
TotalCutCount: 0
RootCutCount: 0
LPSolverCnt: 1
PricingSolverCnt: 0
Branch And Round Nu

Branch And
Bound Num: $\underline{\mathbf{1}}$

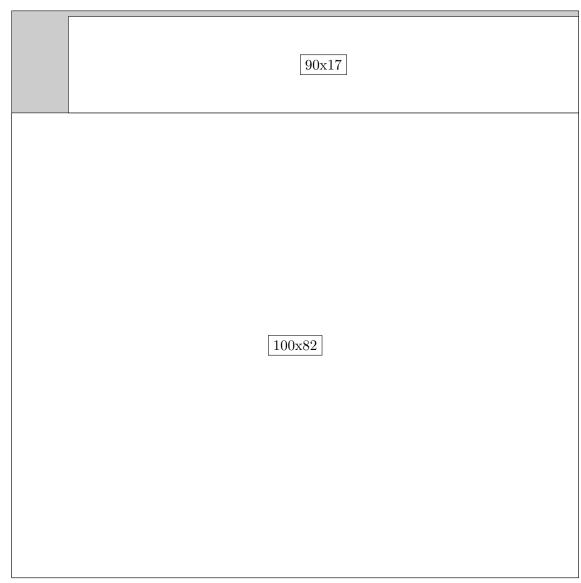
isOpt: $\underline{\mathbf{true}}$

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

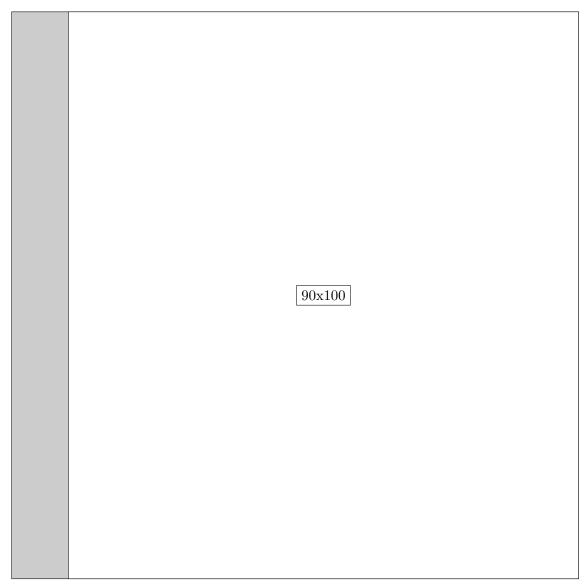
TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.063 sTotalTime: 600.313 s



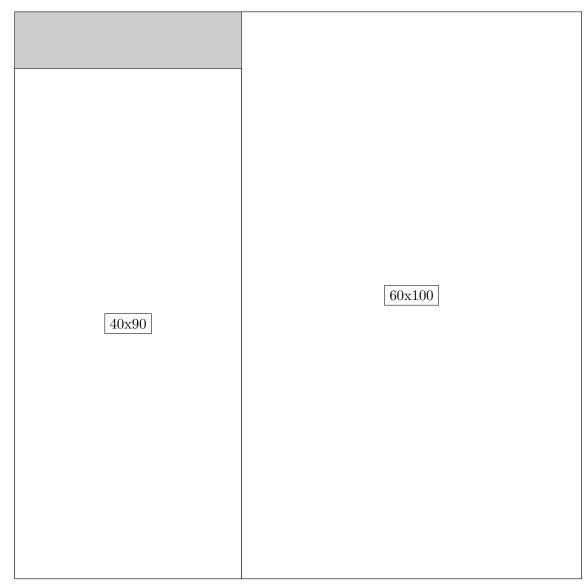
 \mathbf{w} =50 , h =100 , x =50 , y =0 , v =5000



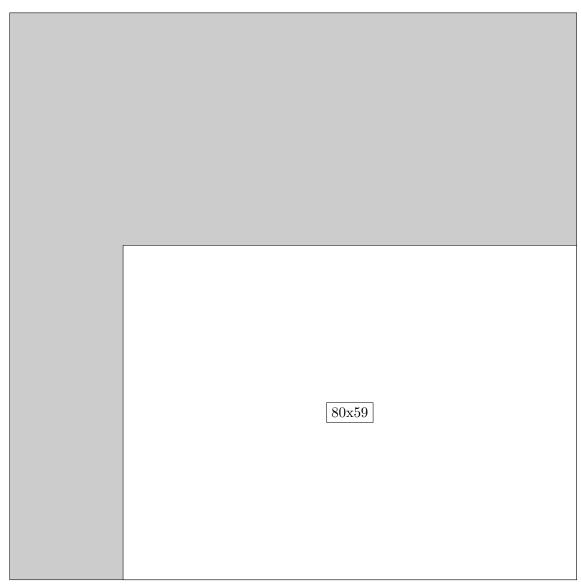
$$\begin{array}{c} w = 100 \; , \; h = 82 \; , \; x = 0 \; , \; y = 0 \; , \; v = 8200 \\ w = 90 \; , \; h = 17 \; , \; x = 10 \; , \; y = 82 \; , \; v = 1530 \\ \end{array}$$



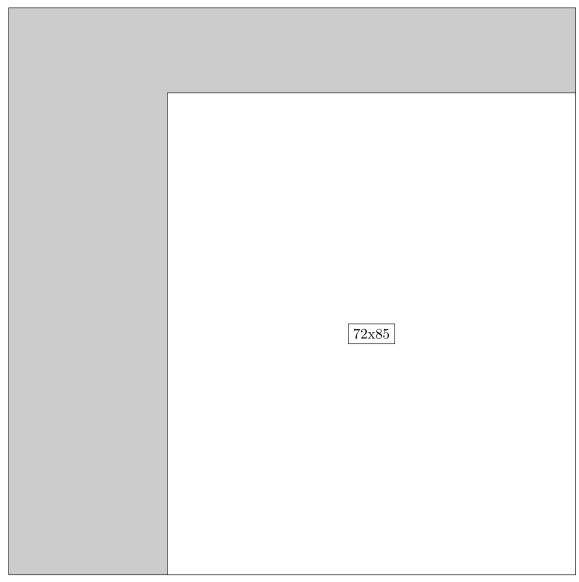
 \mathbf{w} =90 , h =100 , x =10 , y =0 , v =9000



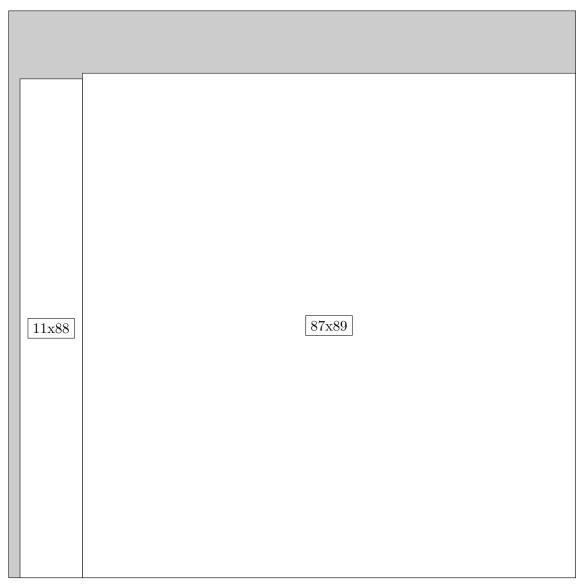
w =60, h =100, x =40, y =0, v =6000 w =40, h =90, x =0, y =0, v =3600



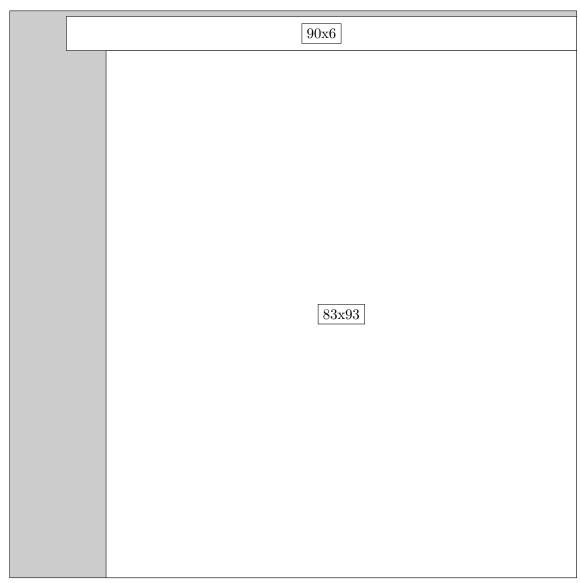
 $\le =80$, h =59 , x =20 , y =0 , v =4720



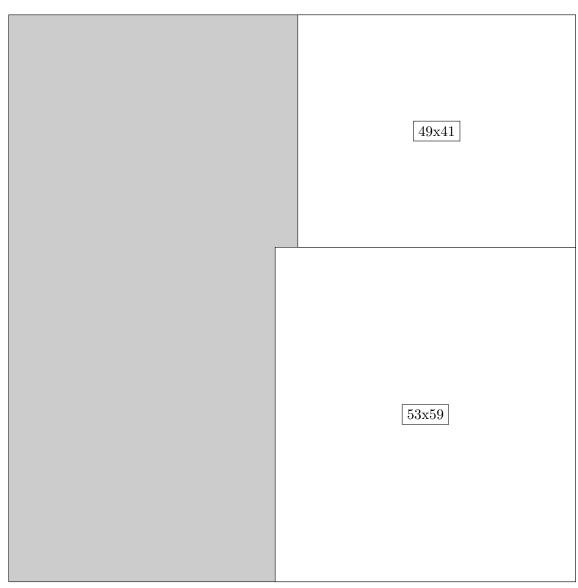
 $\le =72$, h =85 , x =28 , y =0 , v =6120



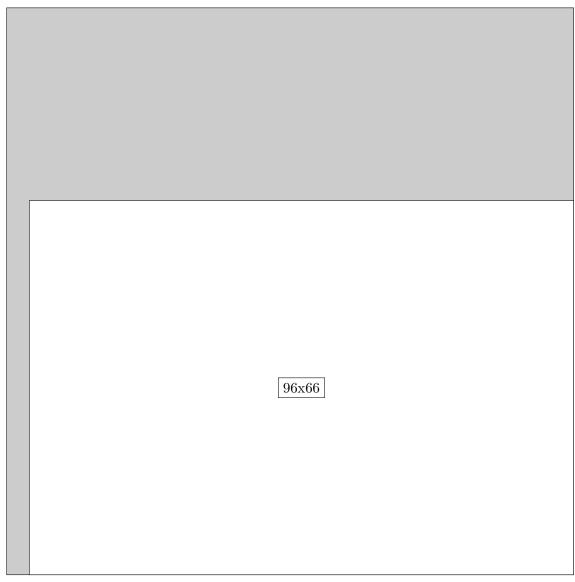
 $\begin{array}{l} w = \! 87 \ , \ h = \! 89 \ , \ x = \! 13 \ , \ y = \! 0 \ , \ v = \! 7743 \\ w = \! 11 \ , \ h = \! 88 \ , \ x = \! 2 \ , \ y = \! 0 \ , \ v = \! 968 \\ \end{array}$



$$\begin{array}{l} w = \! 83 \ , \ h = \! 93 \ , \ x = \! 17 \ , \ y = \! 0 \ , \ v = \! 7719 \\ w = \! 90 \ , \ h = \! 6 \ , \ x = \! 10 \ , \ y = \! 93 \ , \ v = \! 540 \end{array}$$



$$\begin{array}{l} w = \!53 \ , \ h = \!59 \ , \ x = \!47 \ , \ y = \!0 \ , \ v = \!3127 \\ w = \!49 \ , \ h = \!41 \ , \ x = \!51 \ , \ y = \!59 \ , \ v = \!2009 \end{array}$$



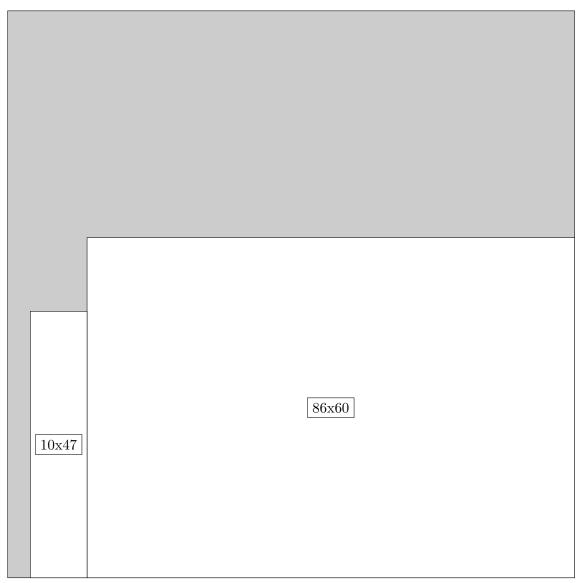
 $\le =96$, $\le =66$, $\le =4$, y =0 , v =6336

	20x7
80x82	20x77

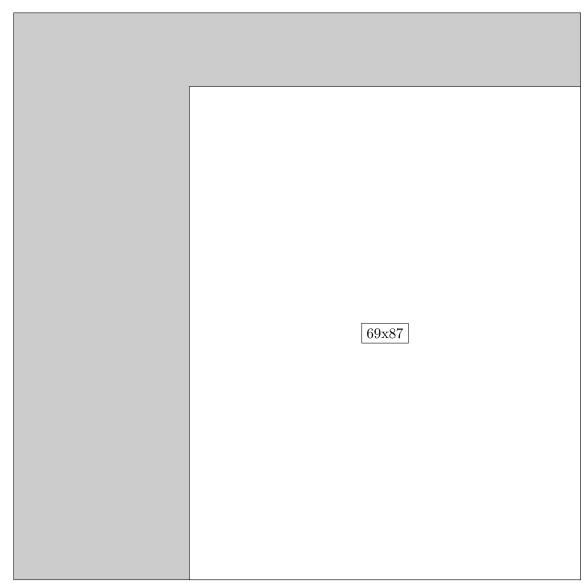
$$\le =20$$
 , h =77 , x =80 , y =0 , v =1540

$$w$$
 =20 , h =7 , x =80 , y =77 , v =140

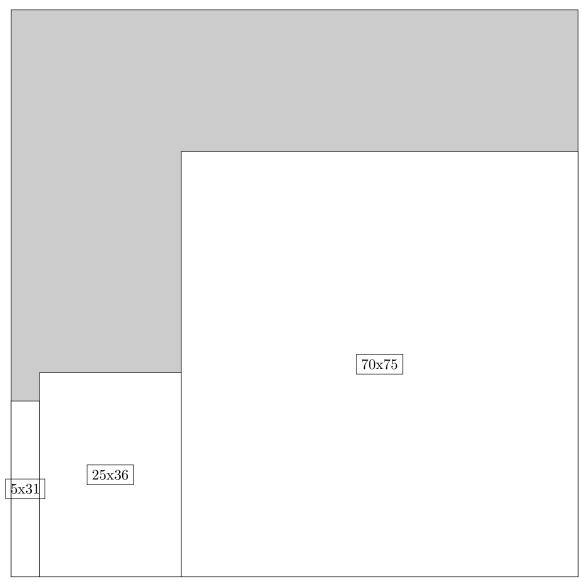
$$\le =80$$
 , h =82 , x =0 , y =0 , v =6560



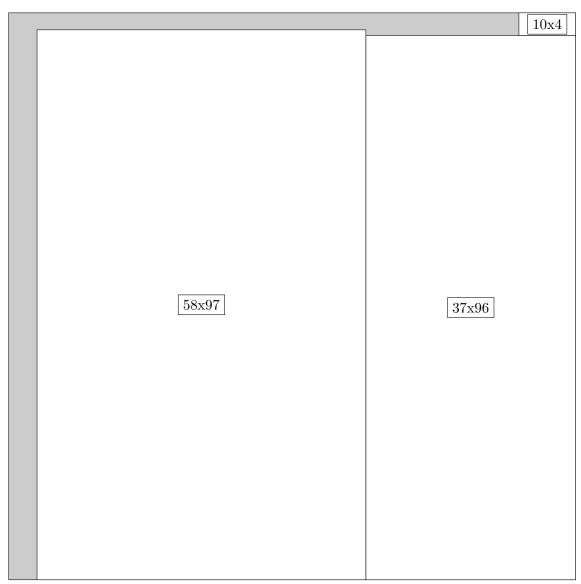
 $\begin{array}{c} w = \!\! 86 \; , \; h = \!\! 60 \; , \; x = \!\! 14 \; , \; y = \!\! 0 \; , \; v = \!\! 5160 \\ w = \!\! 10 \; , \; h = \!\! 47 \; , \; x = \!\! 4 \; , \; y = \!\! 0 \; , \; v = \!\! 470 \\ \end{array}$



 $\le =69$, h =87 , x =31 , y =0 , v =6003



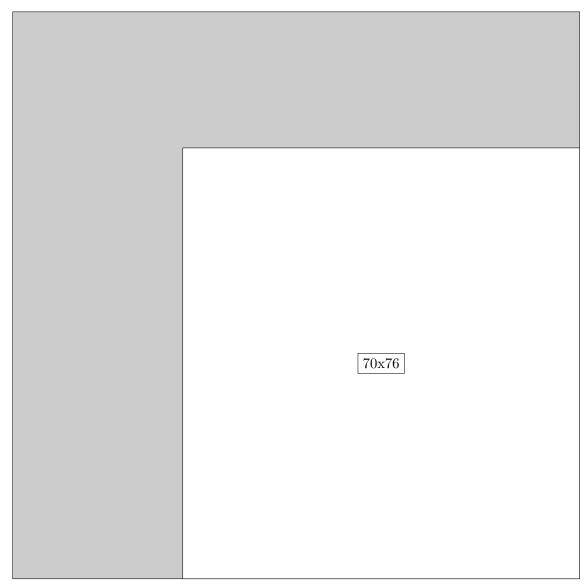
 $\begin{array}{l} w = \! 70 \ , \ h = \! 75 \ , \ x = \! 30 \ , \ y = \! 0 \ , \ v = \! 5250 \\ w = \! 25 \ , \ h = \! 36 \ , \ x = \! 5 \ , \ y = \! 0 \ , \ v = \! 900 \\ w = \! 5 \ , \ h = \! 31 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 155 \end{array}$



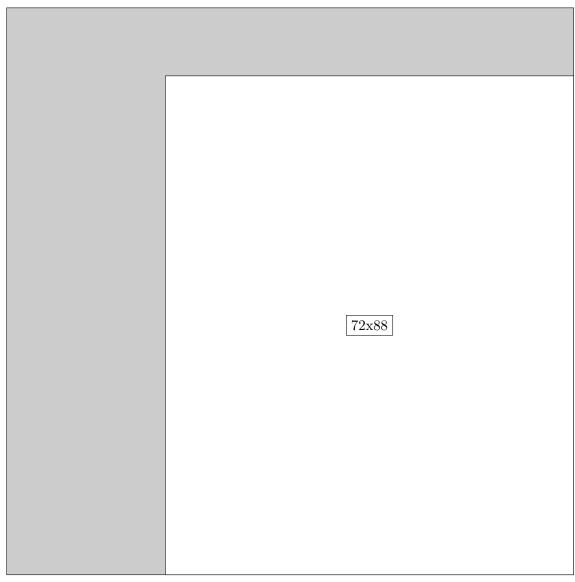
 $\le =37$, h =96 , x =63 , y =0 , v =3552

 $w=\!10$, $h=\!4$, $x=\!90$, $y=\!96$, $v=\!40$

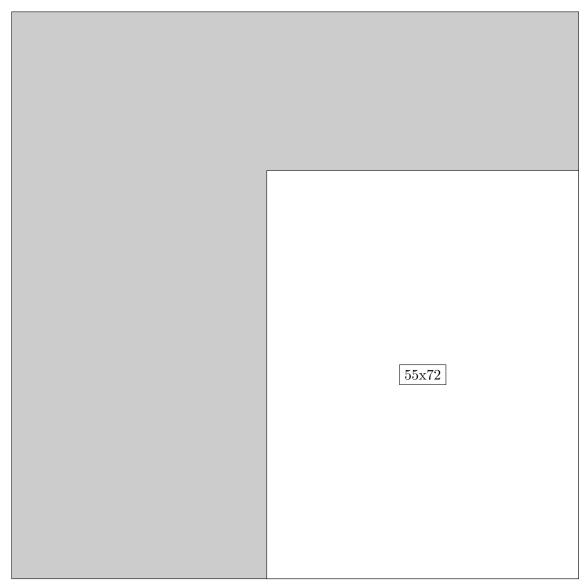
 ≤ -58 , h =97 , x =5 , y =0 , v = 5626



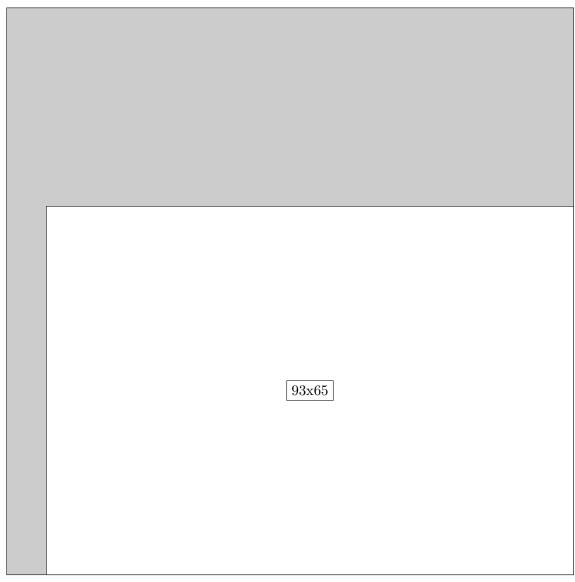
 $\le =70$, h =76 , x =30 , y =0 , v =5320



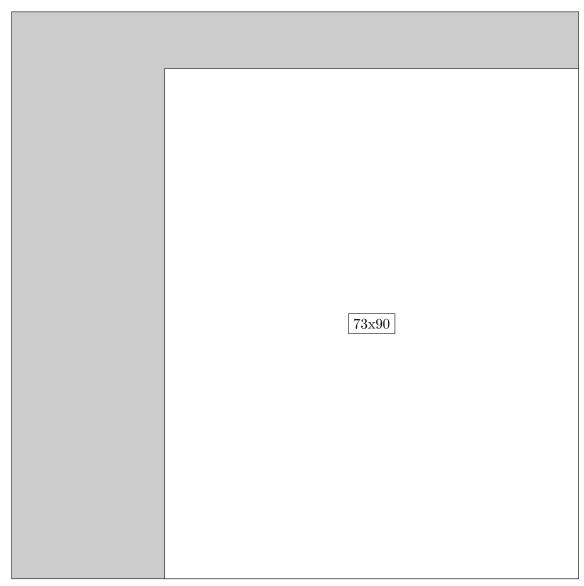
 $\le =72$, h =88 , x =28 , y =0 , v =6336



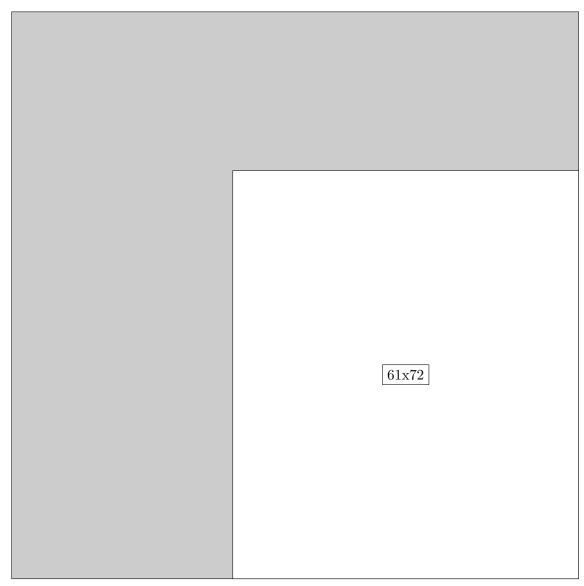
 ≤ -55 , h = 72 , x = 45 , y = 0 , v = 3960



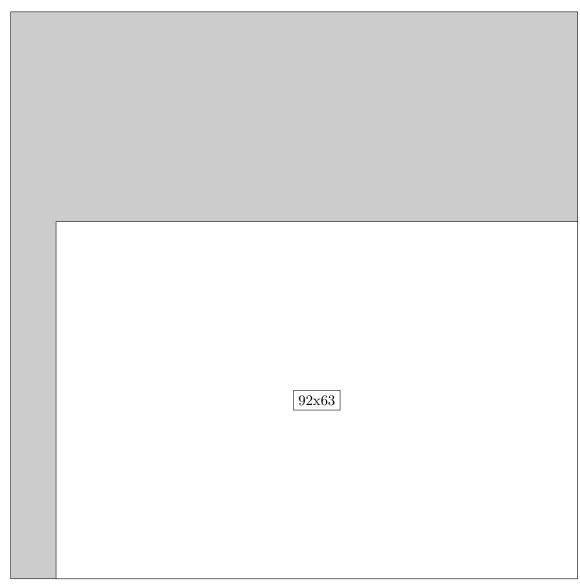
 $\le =93$, h =65 , x =7 , y =0 , v =6045



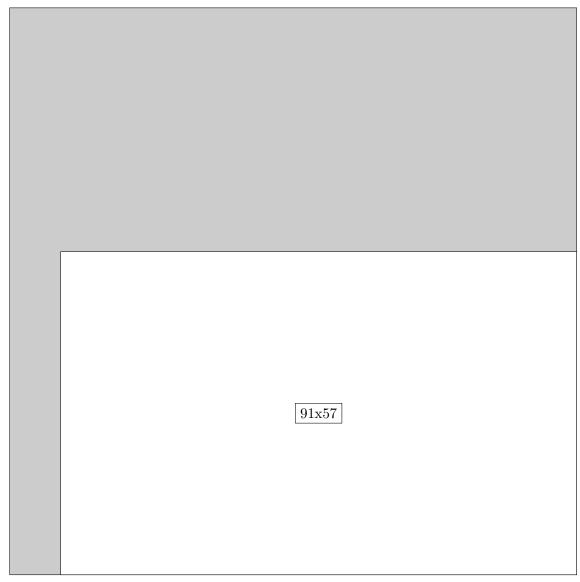
 $\le =73$, h =90 , x =27 , y =0 , v =6570



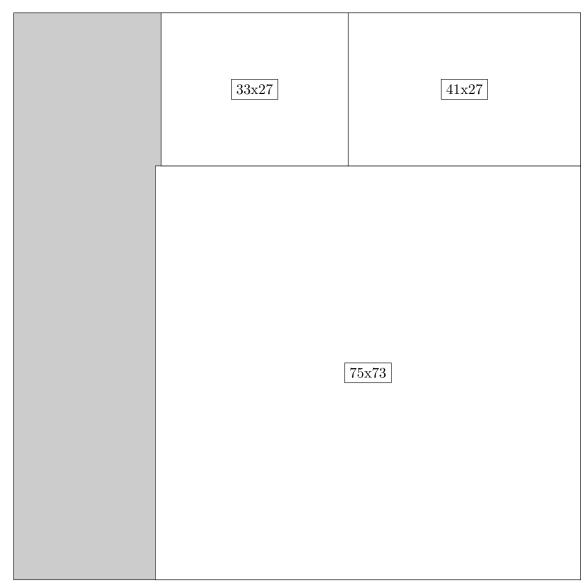
 $\le =61$, h =72 , x =39 , y =0 , v =4392



 $\le =92$, h =63 , x =8 , y =0 , v =5796



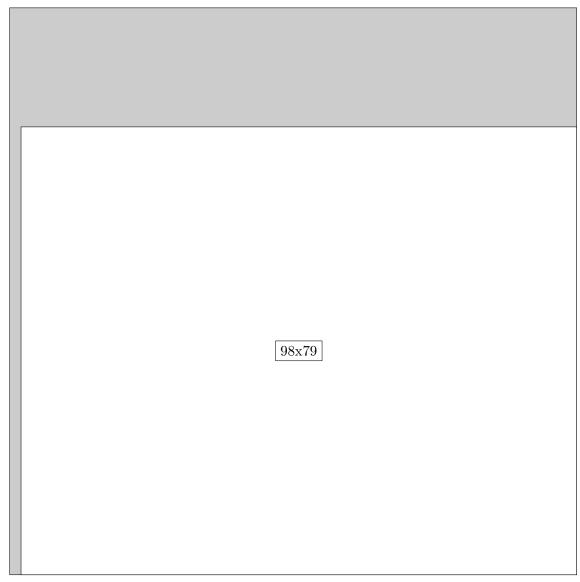
 $\le =91$, h=57 , x=9 , y=0 , v=5187



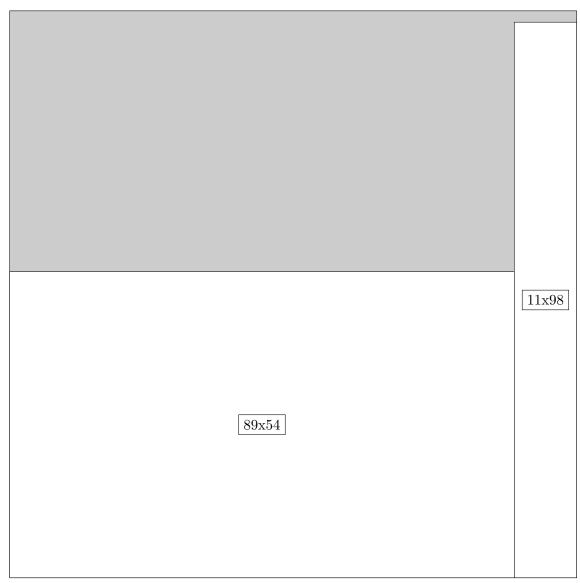
$$\le =75$$
 , h =73 , x =25 , y =0 , v =5475

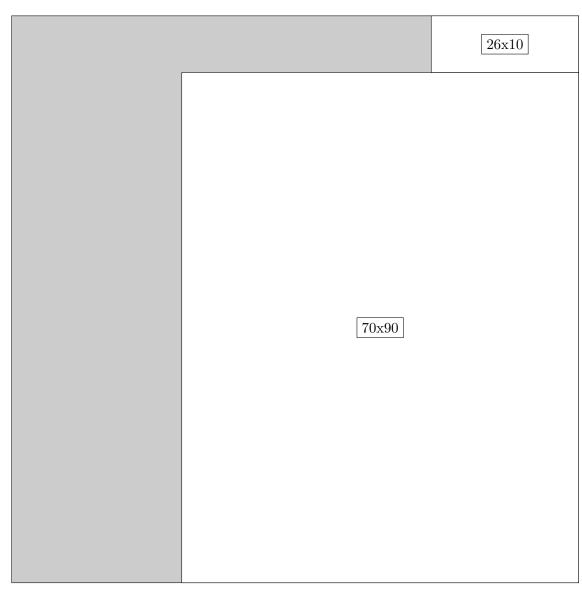
$$w$$
 =41 , h =27 , x =59 , y =73 , v =1107

$$\le =33$$
 , h =27 , x =26 , y =73 , v =891

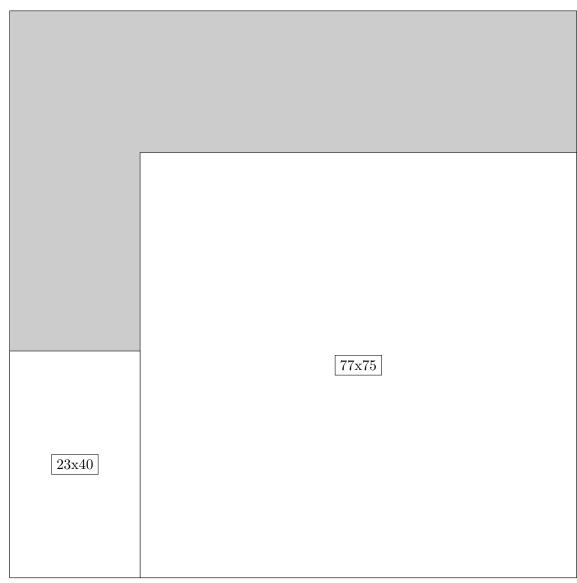


 $\le =98$, h =79 , x =2 , y =0 , v =7742

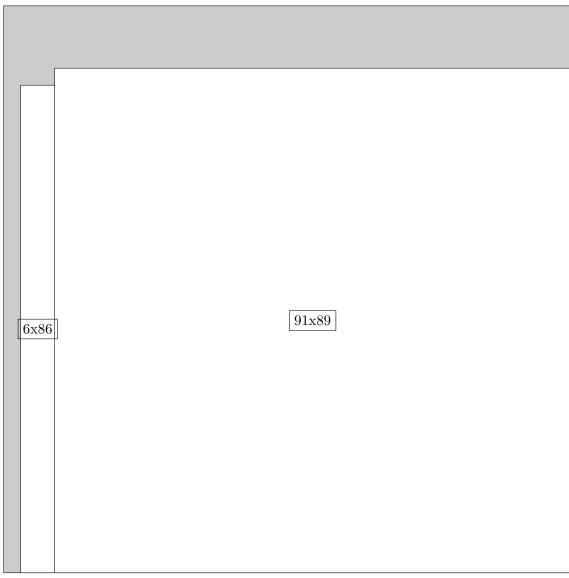




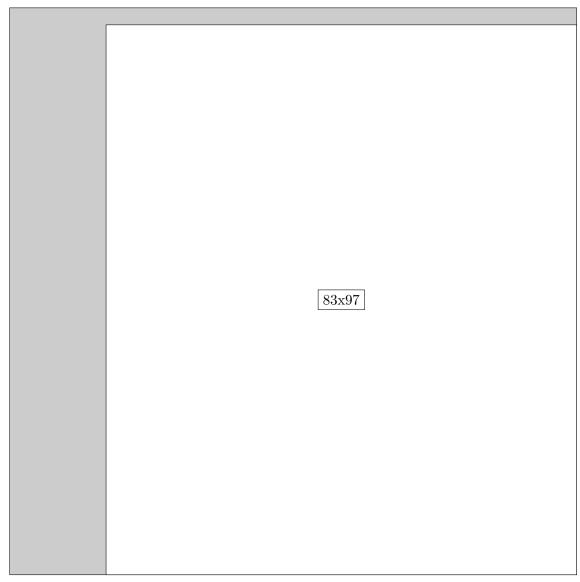
$$\begin{array}{l} w = \! 70 \ , \ h = \! 90 \ , \ x = \! 30 \ , \ y = \! 0 \ , \ v = \! 6300 \\ w = \! 26 \ , \ h = \! 10 \ , \ x = \! 74 \ , \ y = \! 90 \ , \ v = \! 260 \end{array}$$



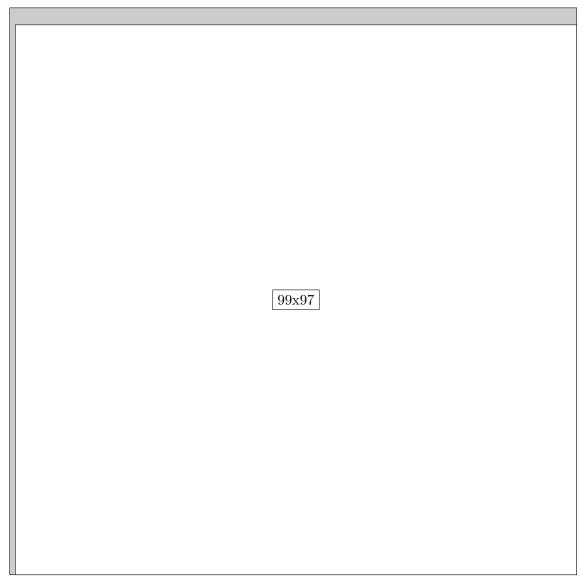
$$\begin{array}{l} w = \!\!\! 77 \ , \ h = \!\!\! 75 \ , \ x = \!\!\! 23 \ , \ y = \!\!\! 0 \ , \ v = \!\!\! 5775 \\ w = \!\!\! 23 \ , \ h = \!\!\! 40 \ , \ x = \!\!\! 0 \ , \ y = \!\!\! 0 \ , \ v = \!\!\! 920 \end{array}$$



 $\begin{array}{l} w = \! 91 \; , \; h = \! 89 \; , \; x = \! 9 \; , \; y = \! 0 \; , \; v = \! 8099 \\ w = \! 6 \; , \; h = \! 86 \; , \; x = \! 3 \; , \; y = \! 0 \; , \; v = \! 516 \\ \end{array}$



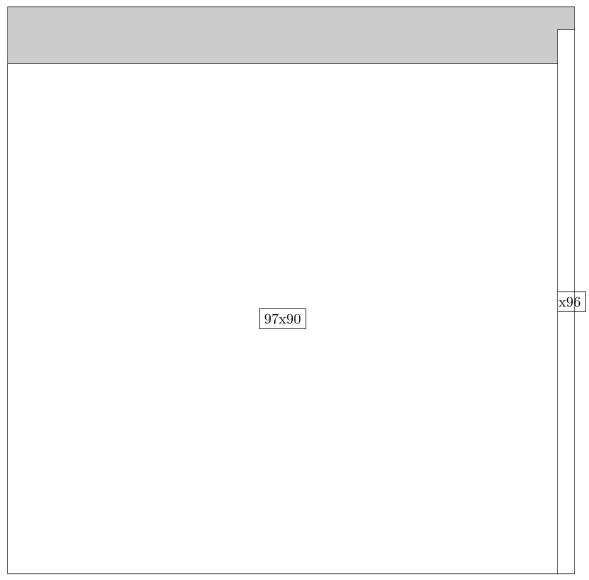
 $\le =83$, h =97 , x =17 , y =0 , v = 8051

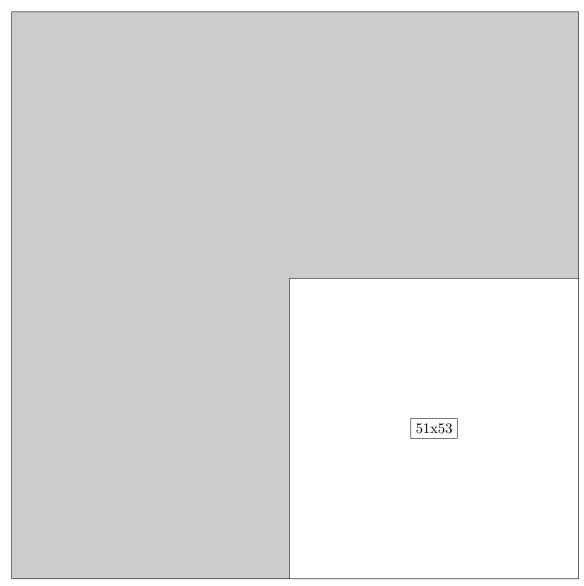


 $\le =99$, h =97 , x =1 , y =0 , v =9603

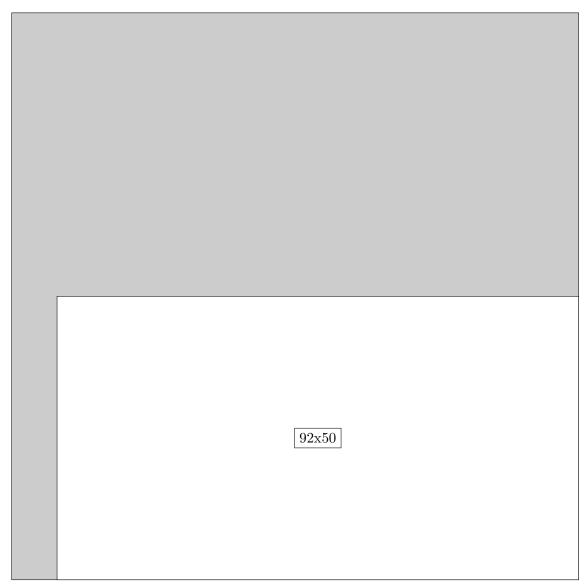
45x83	54x83

 $\begin{array}{l} w = \! 54 \ , \ h = \! 83 \ , \ x = \! 46 \ , \ y = \! 0 \ , \ v = \! 4482 \\ w = \! 45 \ , \ h = \! 83 \ , \ x = \! 1 \ , \ y = \! 0 \ , \ v = \! 3735 \end{array}$

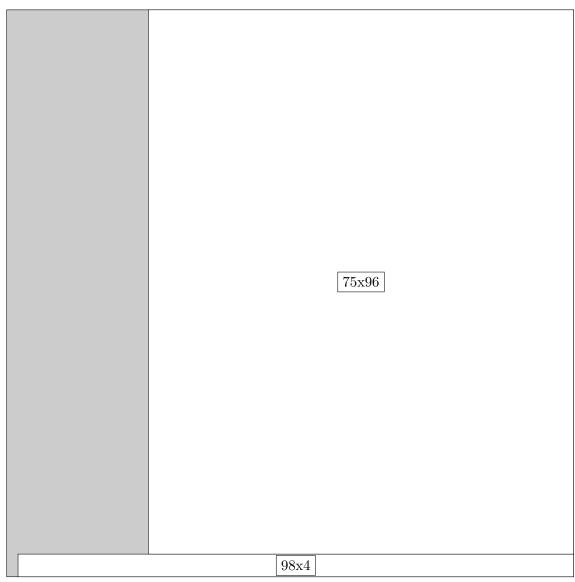




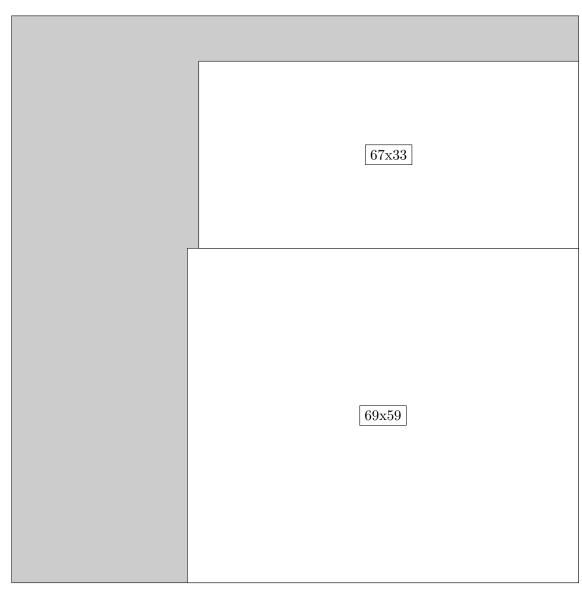
 $\le =51$, h =53 , x =49 , y =0 , v =2703



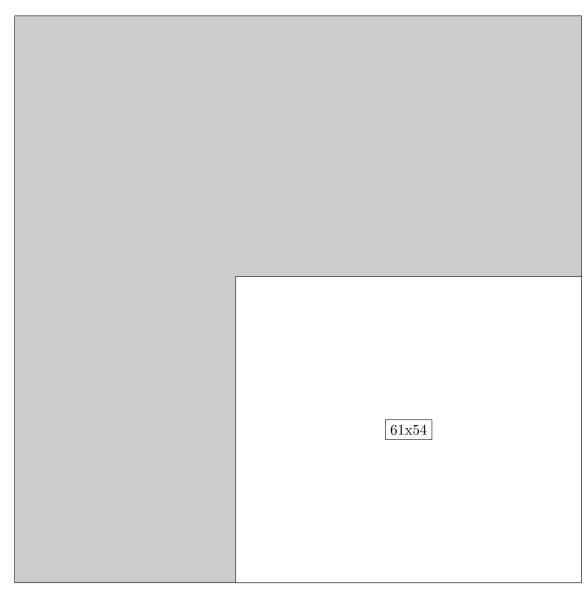
 $\le =92$, h =50 , x =8 , y =0 , v =4600



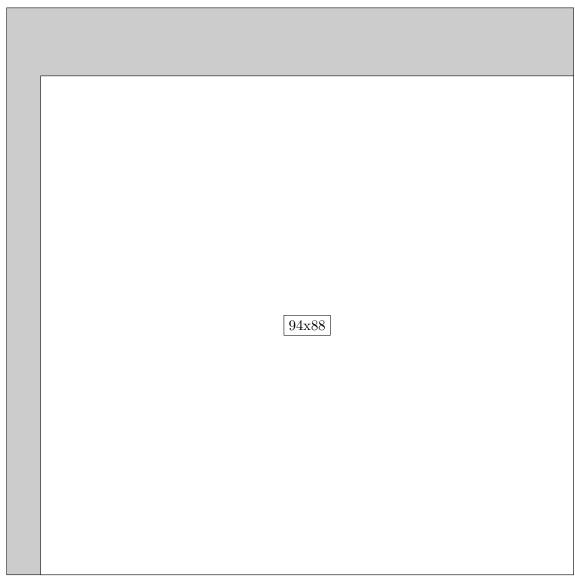
 $\begin{array}{l} w = \! 98 \; , \; h = \! 4 \; , \; x = \! 2 \; , \; y = \! 0 \; , \; v = \! 392 \\ w = \! 75 \; , \; h = \! 96 \; , \; x = \! 25 \; , \; y = \! 4 \; , \; v = \! 7200 \end{array}$



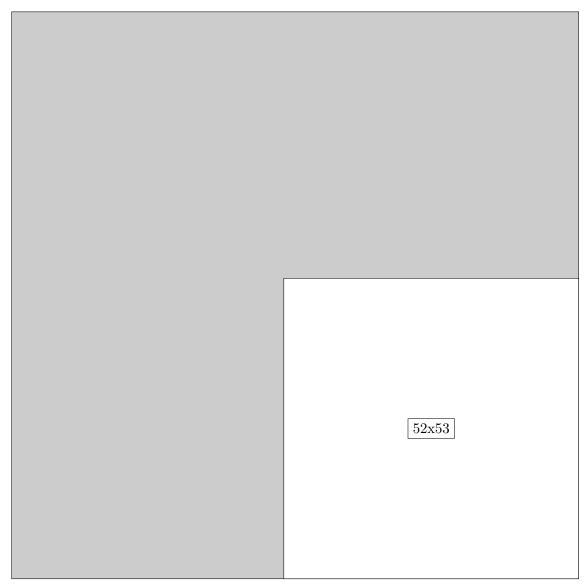
$$\begin{array}{l} w = 69 \ , \, h = \! 59 \ , \, x = \! 31 \ , \, y = \! 0 \ , \, v = \! 4071 \\ w = \! 67 \ , \, h = \! 33 \ , \, x = \! 33 \ , \, y = \! 59 \ , \, v = \! 2211 \end{array}$$



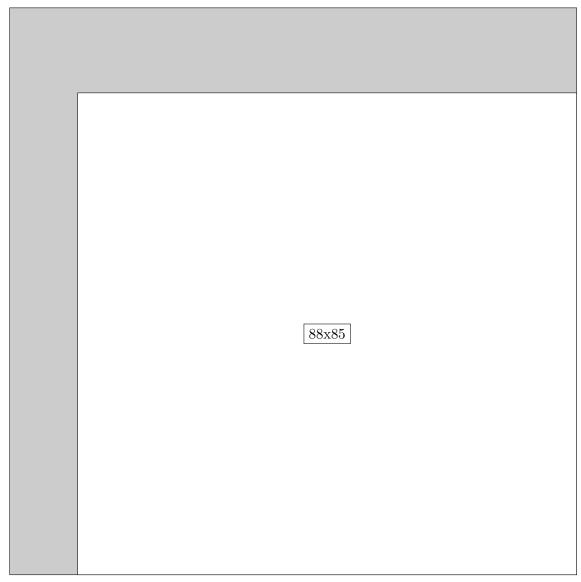
 $\le =61$, h =54 , x =39 , y =0 , v =3294



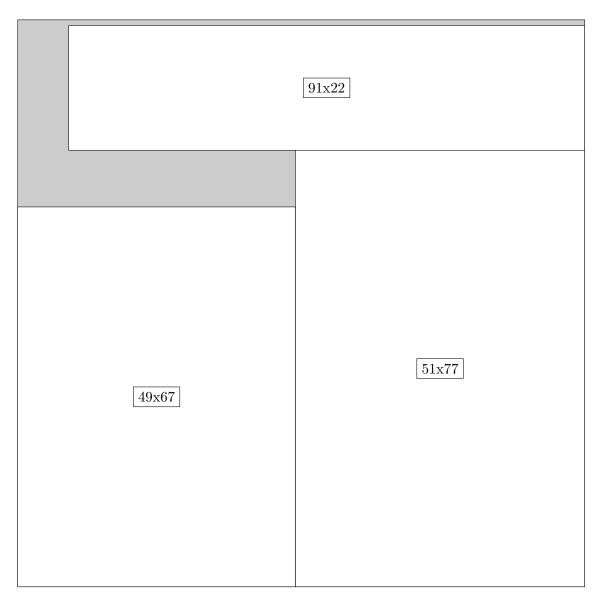
 $\le =94$, h =88 , x =6 , y =0 , v =8272



 $\le =52$, h =53 , x =48 , y =0 , v =2756



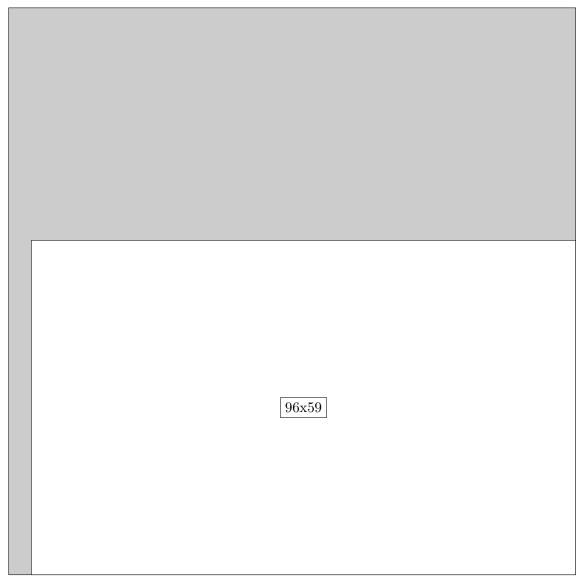
 $\le =88$, h =85 , x =12 , y =0 , v =7480



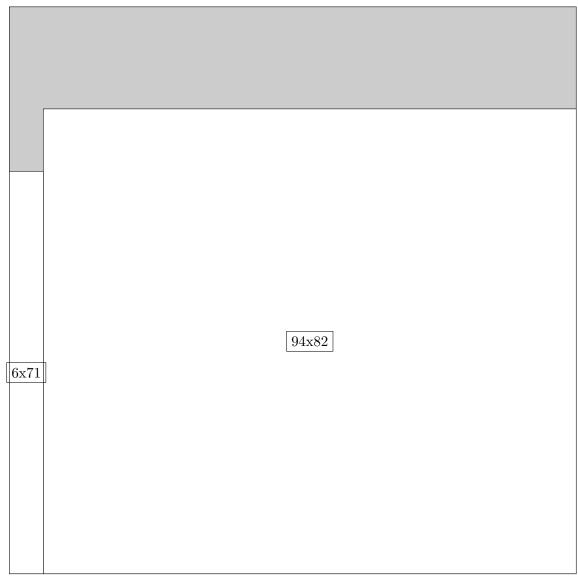
$$w = 51$$
, $h = 77$, $x = 49$, $y = 0$, $v = 3927$

$$\le =49$$
 , h =67 , x =0 , y =0 , v =3283

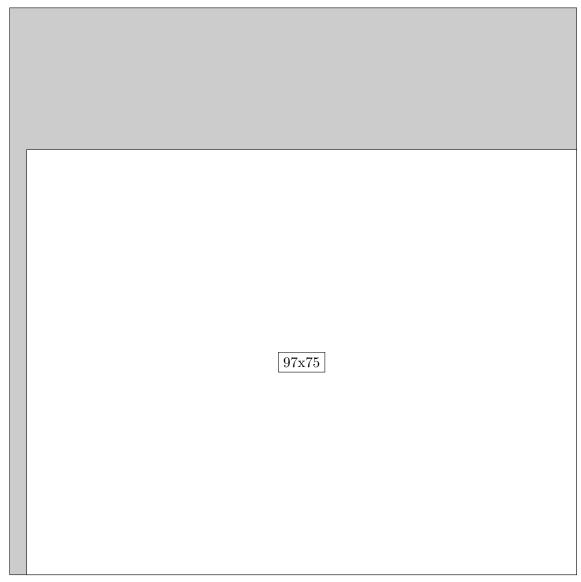
$$\le =91$$
 , h =22 , x =9 , y =77 , v =2002



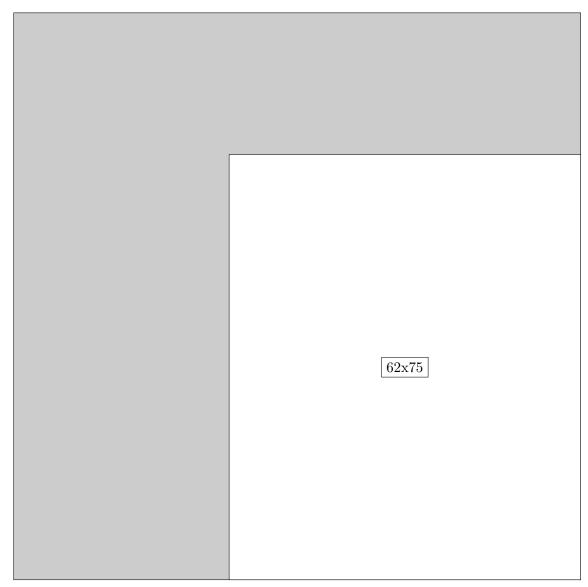
 $\le =96$, h =59 , x =4 , y =0 , v = 5664



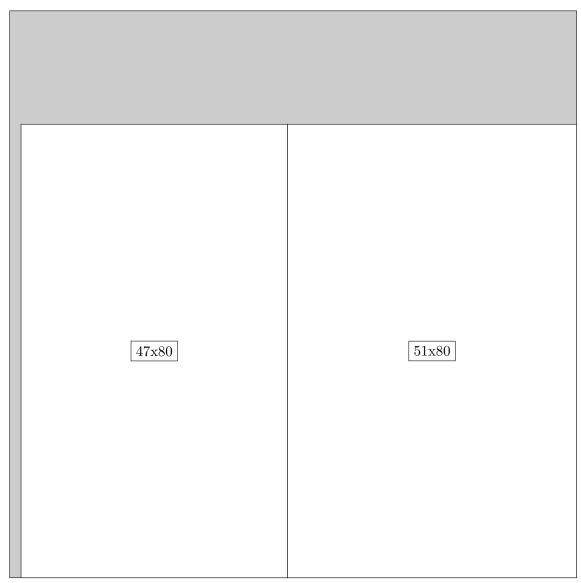
 $\begin{array}{l} w = \! 94 \ , \ h = \! 82 \ , \ x = \! 6 \ , \ y = \! 0 \ , \ v = \! 7708 \\ w = \! 6 \ , \ h = \! 71 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 426 \end{array}$

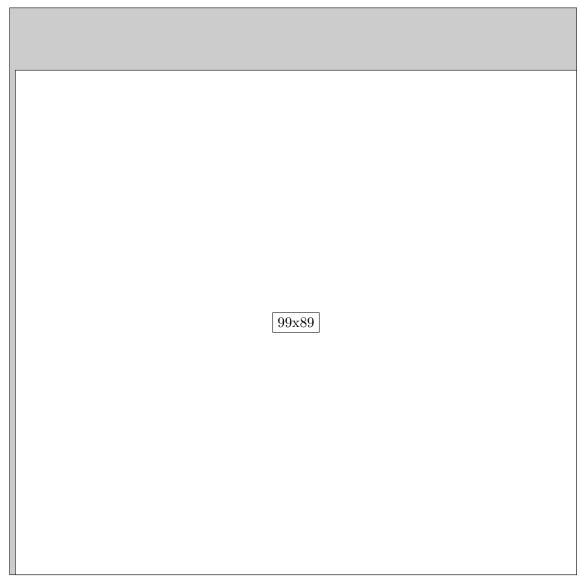


 $\le =97$, h =75 , x =3 , y =0 , v =7275

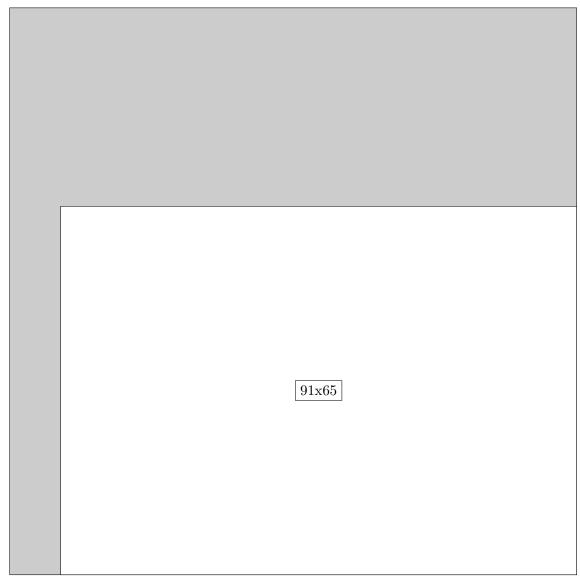


 $\le =62$, h =75 , x =38 , y =0 , v =4650

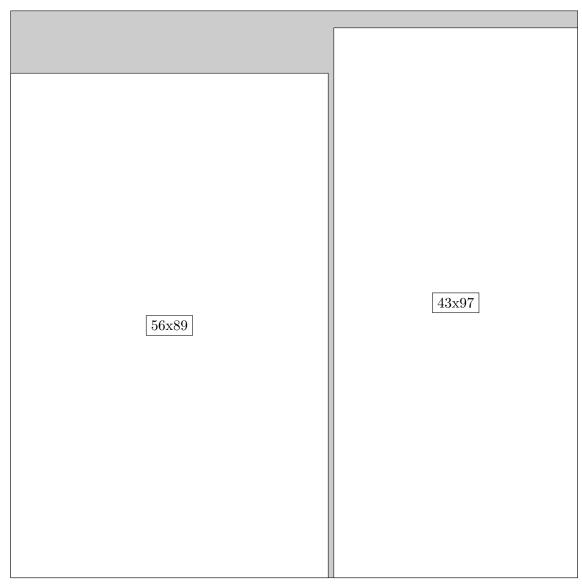


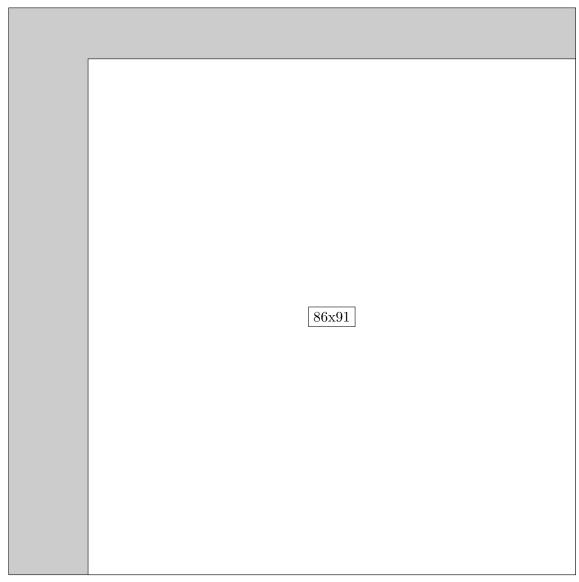


 $\le =99$, h =89 , x =1 , y =0 , v =8811

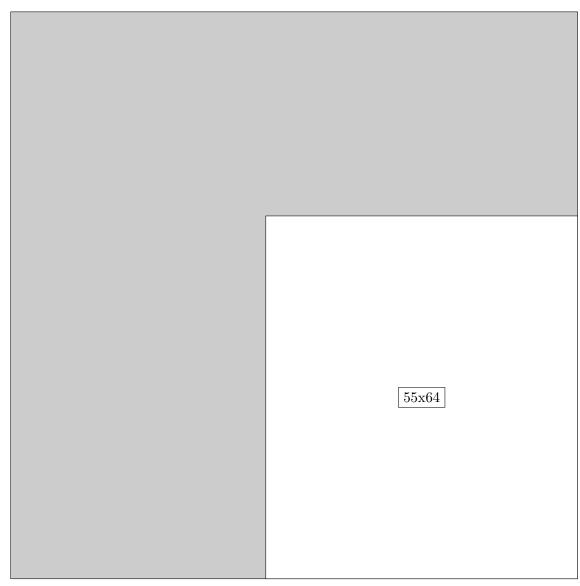


 $\le =91$, h=65 , x=9 , y=0 , v=5915

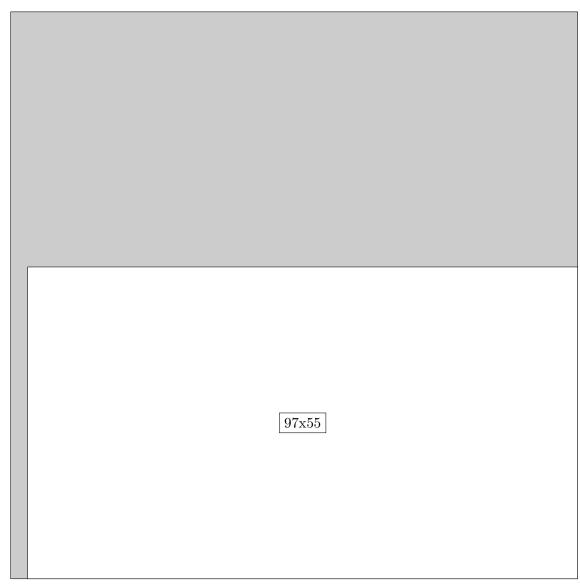




 $\le =86$, h =91 , x =14 , y =0 , v =7826



 $\le =55$, h=64 , x=45 , y=0 , v=3520



 $\le =97$, h =55 , x =3 , y =0 , v =5335