$ClassName: \ Class\_09.2bp-33$ 

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:  $\mathbf{0}$ 

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

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

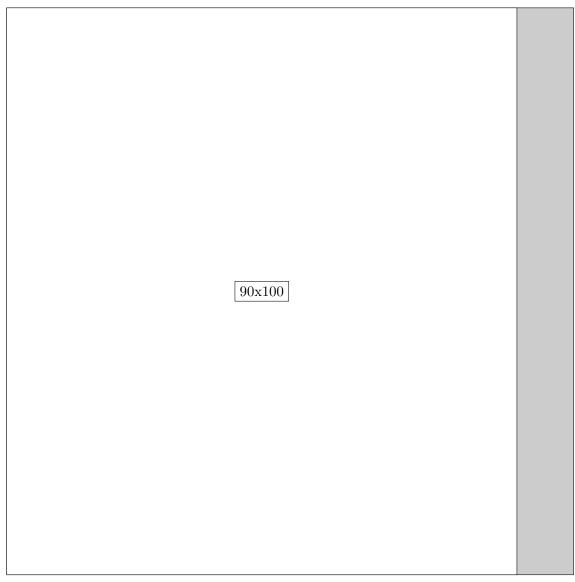
Branch And<br/>Bound Num:  $\underline{\mathbf{1}}$ 

is Opt:  $\underline{\mathbf{true}}$ 

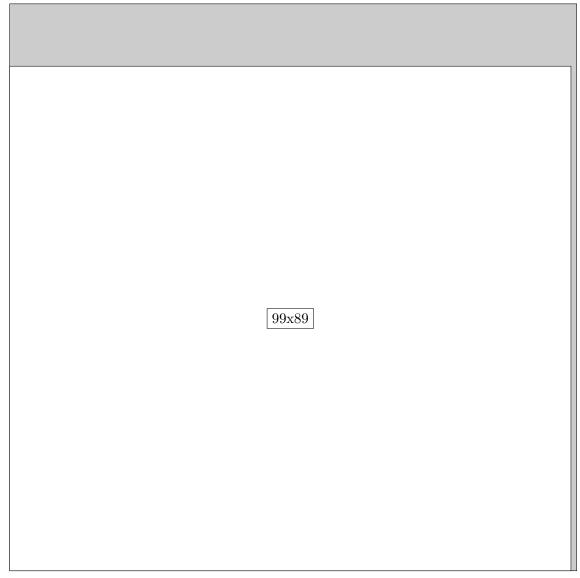
TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.094 sTotalTime: 0.156 s



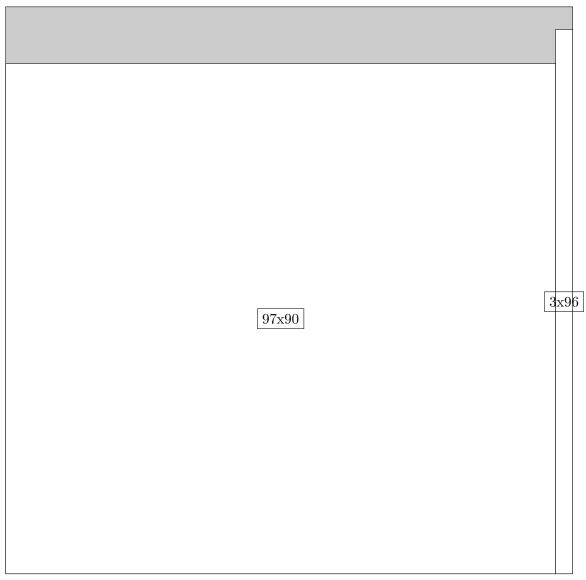
w = 99, h = 97, x = 0, y = 0, v = 9603



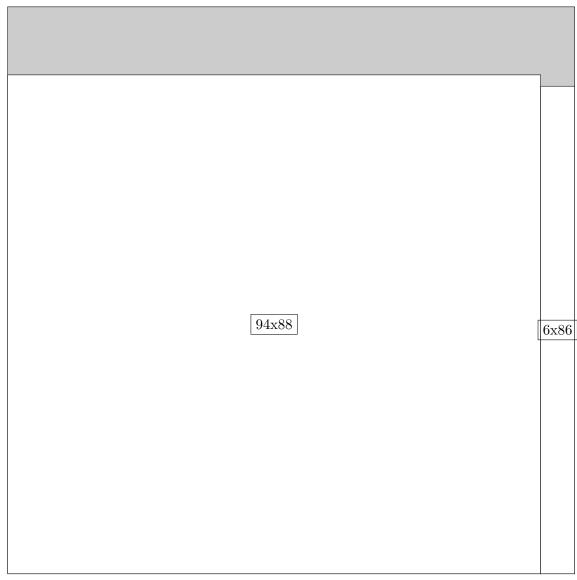
 $\le =90$  , h =100 , x =0 , y =0 , v =9000

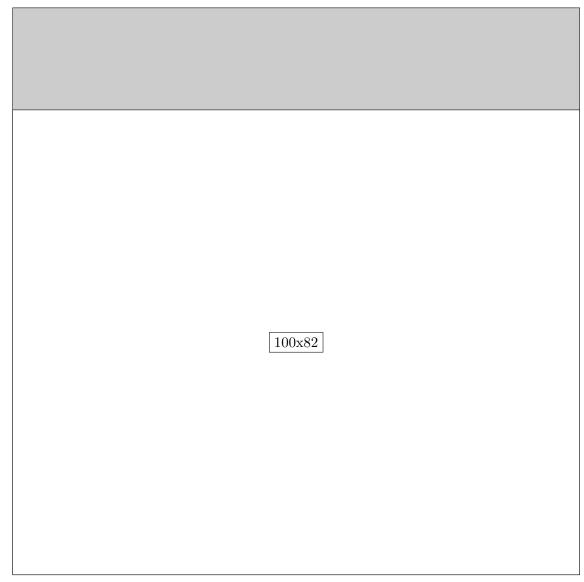


 $\le =99$  , h =89 , x =0 , y =0 , v =8811

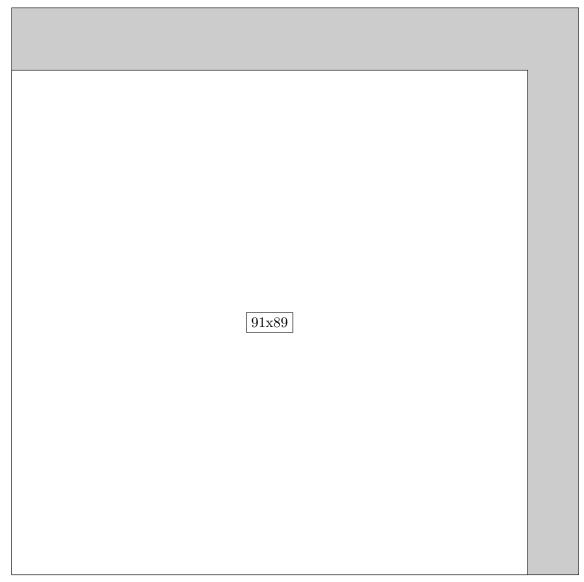


$$\begin{array}{l} w = \! 97 \ , \ h = \! 90 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 8730 \\ w = \! 3 \ , \ h = \! 96 \ , \ x = \! 97 \ , \ y = \! 0 \ , \ v = \! 288 \end{array}$$

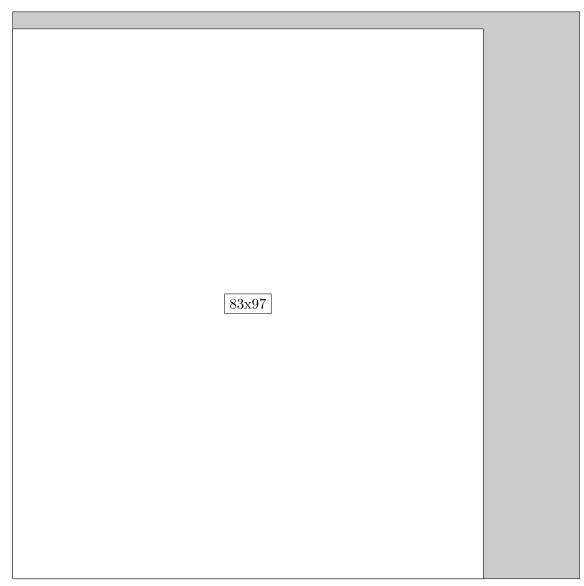




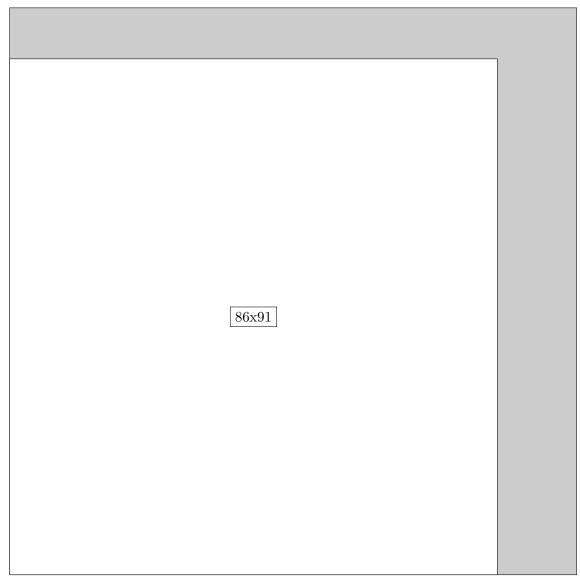
 $\le 100$  , h =82 , x =0 , y =0 , v =8200



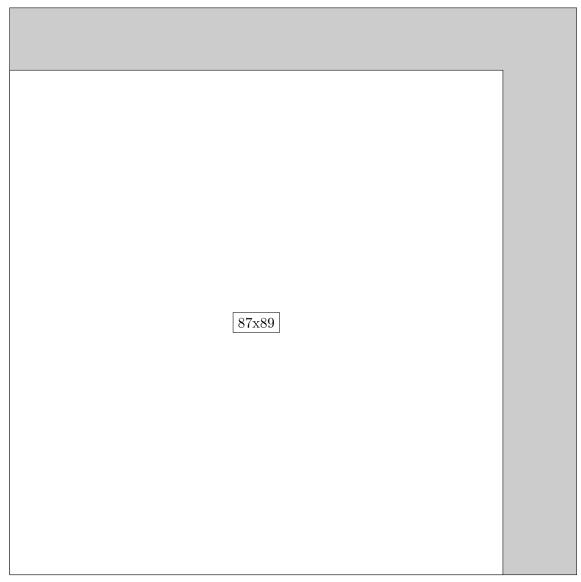
 $\le =91$  , h =89 , x =0 , y =0 , v =8099



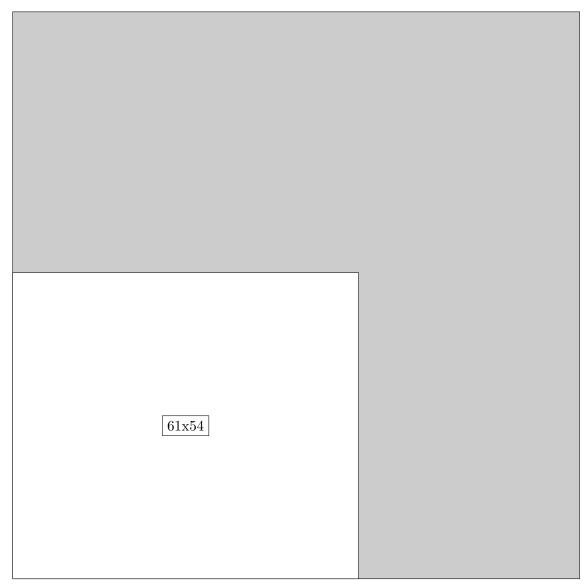
 $\le =83$  , h =97 , x =0 , y =0 , v = 8051



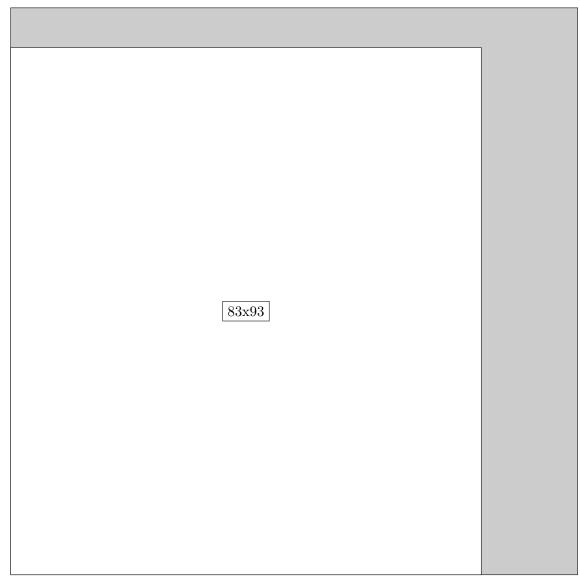
 $\le =86$  , h =91 , x =0 , y =0 , v =7826



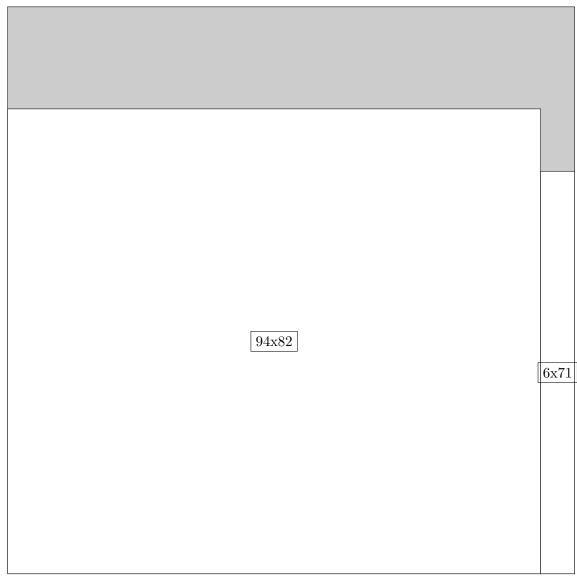
w = 87, h = 89, x = 0, y = 0, v = 7743

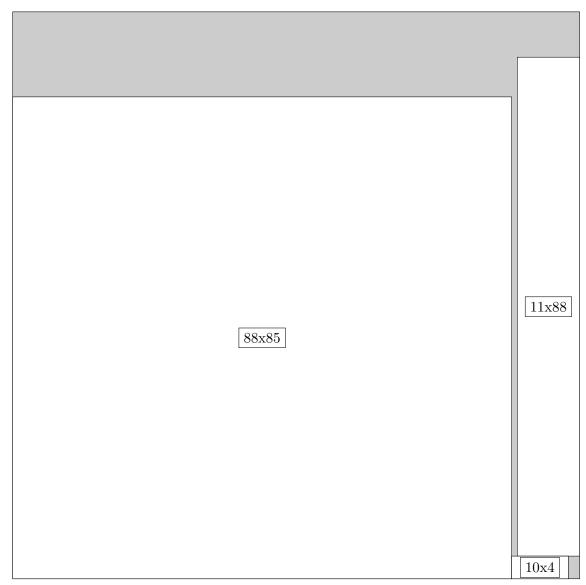


w = 61, h = 54, x = 0, y = 0, v = 3294

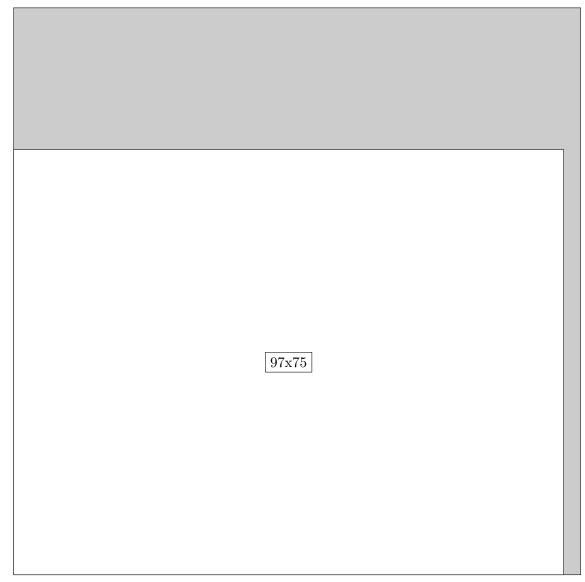


 $\le =83$  , h =93 , x =0 , y =0 , v =7719

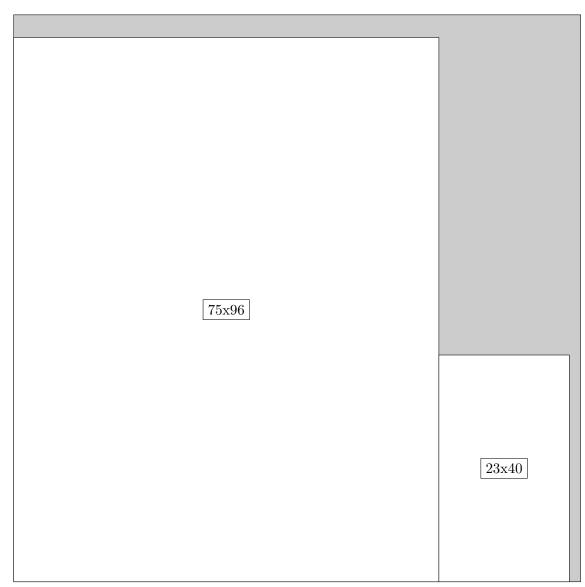


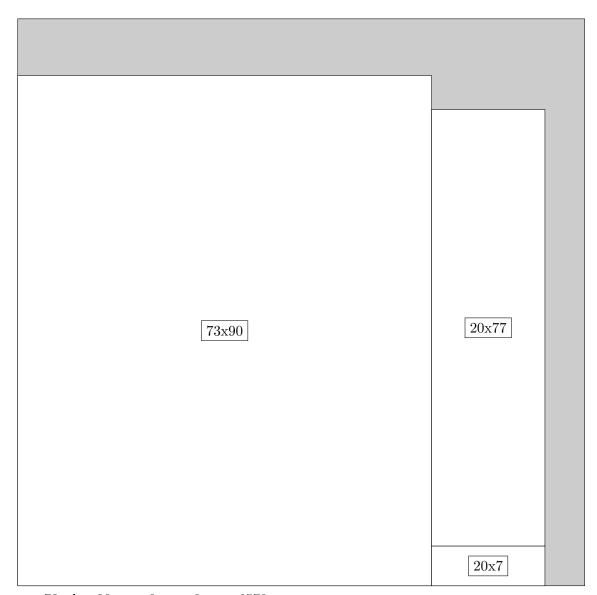


$$\begin{array}{l} w = \! 88 \; , \; h = \! 85 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 7480 \\ w = \! 11 \; , \; h = \! 88 \; , \; x = \! 89 \; , \; y = \! 4 \; , \; v = \! 968 \\ w = \! 10 \; , \; h = \! 4 \; , \; x = \! 88 \; , \; y = \! 0 \; , \; v = \! 40 \end{array}$$



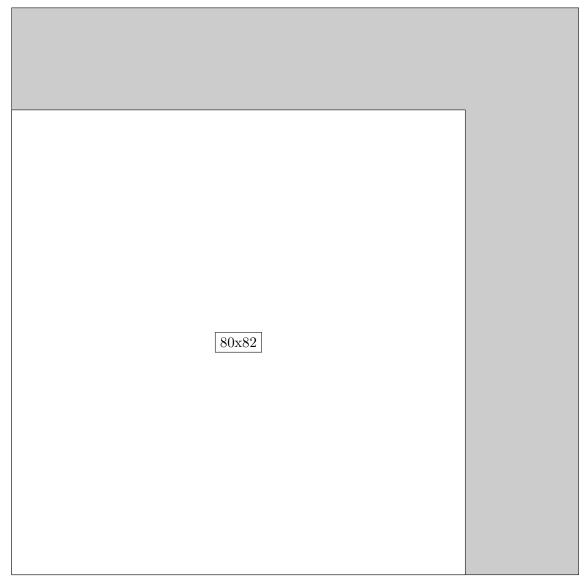
 $\le =97$  , h =75 , x =0 , y =0 , v =7275



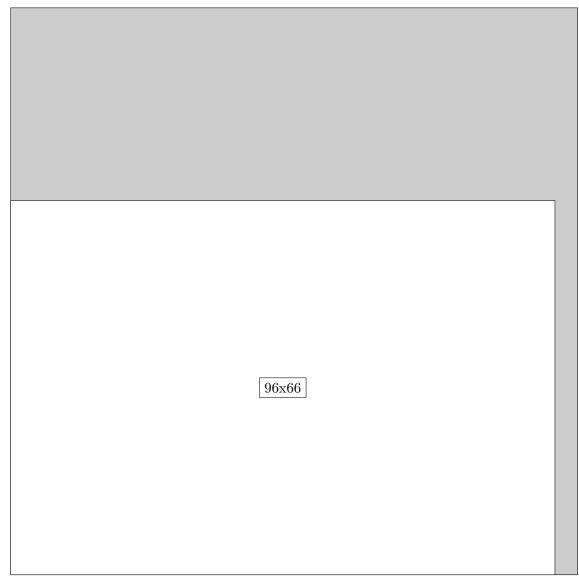


$$\begin{array}{l} w = \! 73 \ , \ h = \! 90 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 6570 \\ w = \! 20 \ , \ h = \! 77 \ , \ x = \! 73 \ , \ y = \! 7 \ , \ v = \! 1540 \end{array}$$

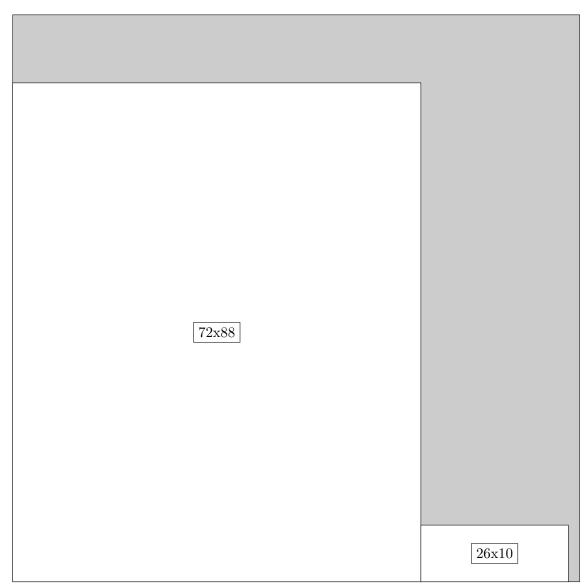
$$w = 20$$
,  $h = 7$ ,  $x = 73$ ,  $y = 0$ ,  $v = 140$ 

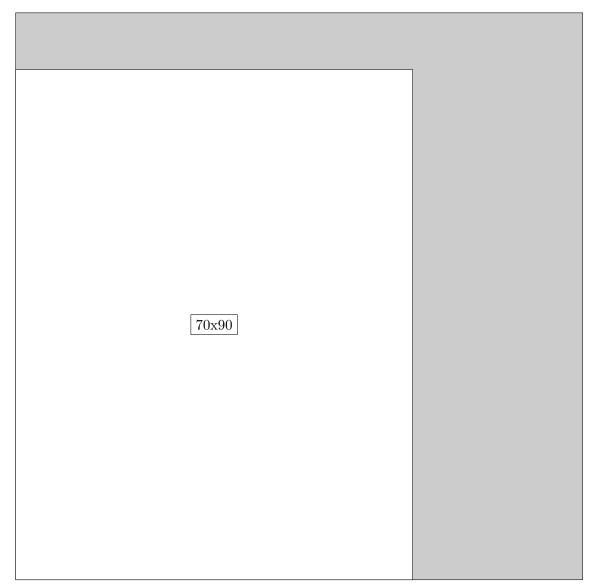


w = 80, h = 82, x = 0, y = 0, v = 6560

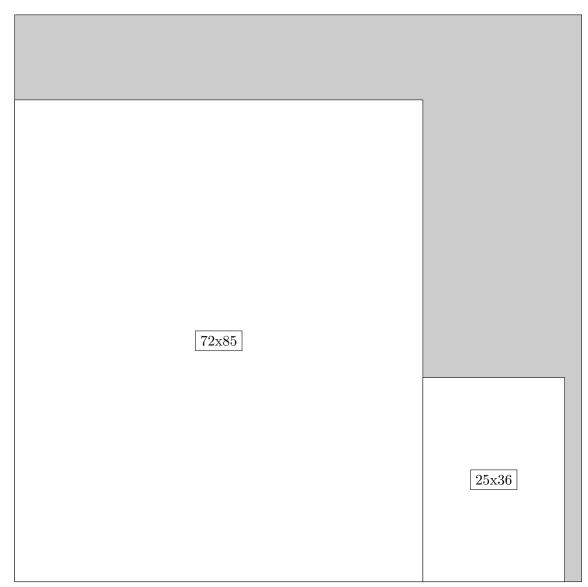


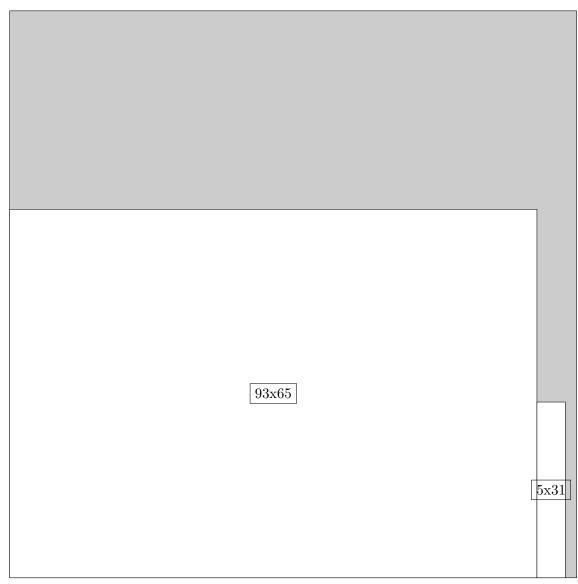
w = 96, h = 66, x = 0, y = 0, v = 6336



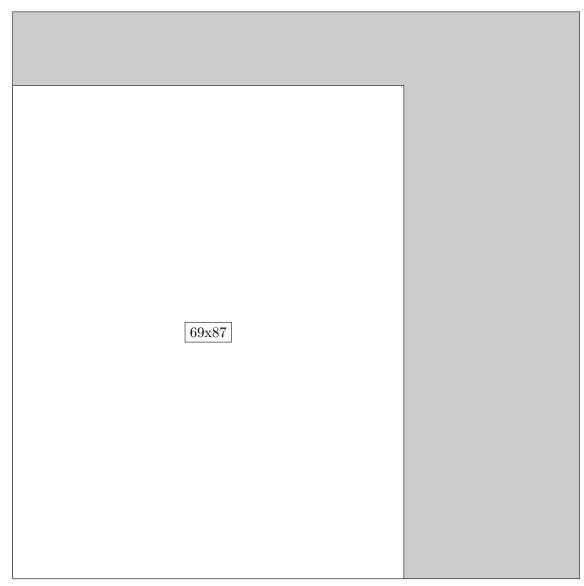


 $\overline{\mathbf{w}} = 70$ ,  $\mathbf{h} = 90$ ,  $\mathbf{x} = 0$ ,  $\mathbf{y} = 0$ ,  $\mathbf{v} = 6300$ 

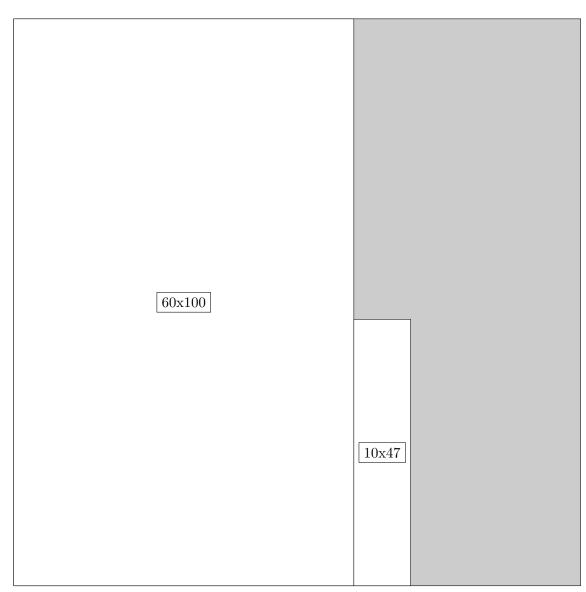


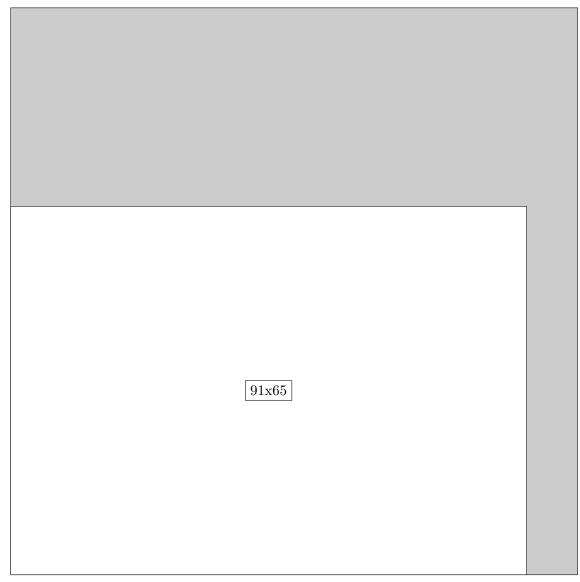


w =93, h =65, x =0, y =0, v =6045 w =5, h =31, x =93, y =0, v =155

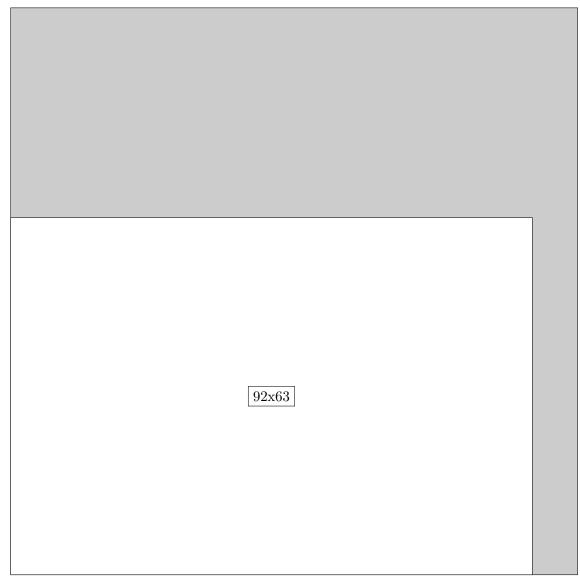


 $\overline{w} = 69$ , h = 87, x = 0, y = 0, v = 6003

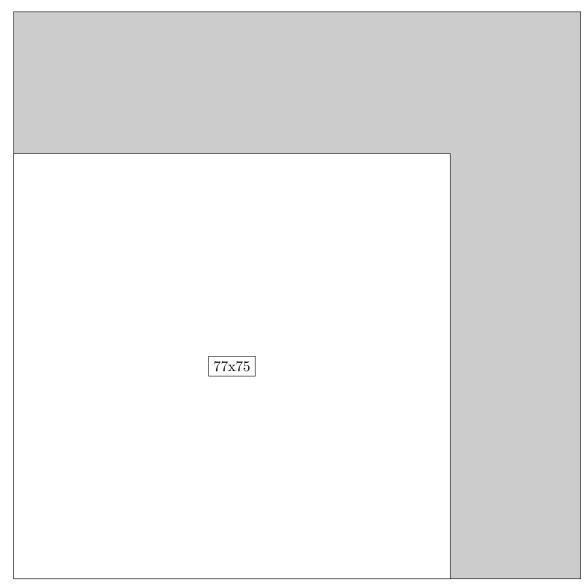




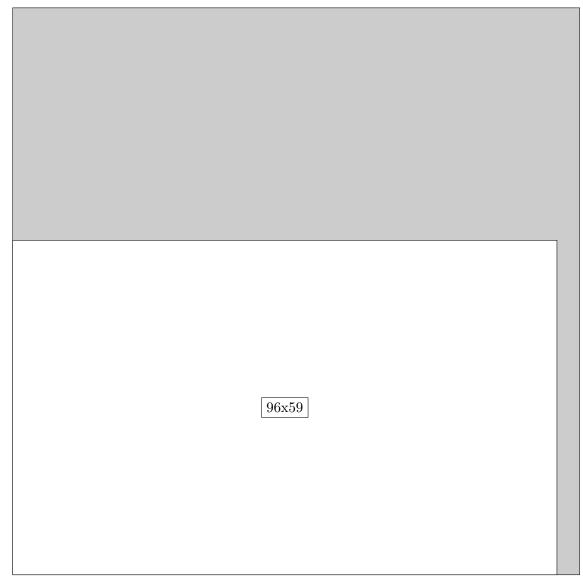
 $\le =91$  , h =65 , x =0 , y =0 , v =5915



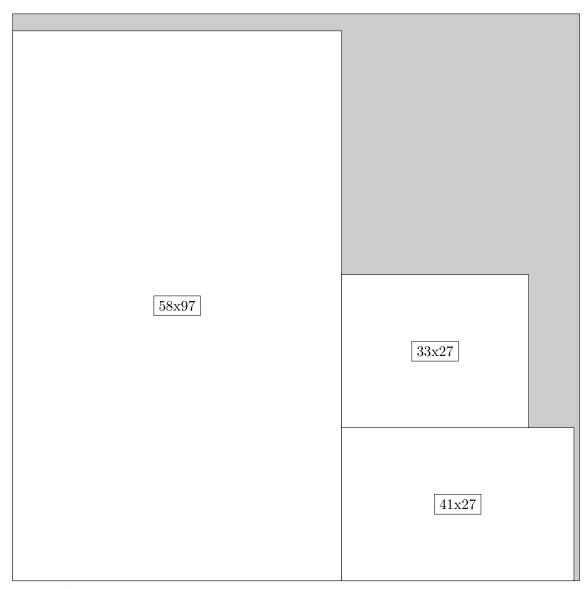
w = 92, h = 63, x = 0, y = 0, v = 5796



w = 77, h = 75, x = 0, y = 0, v = 5775

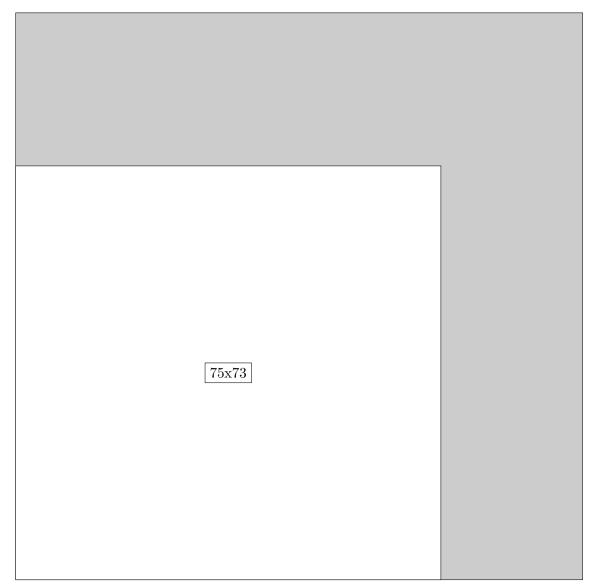


 $\le =96$  , h =59 , x =0 , y =0 , v = 5664

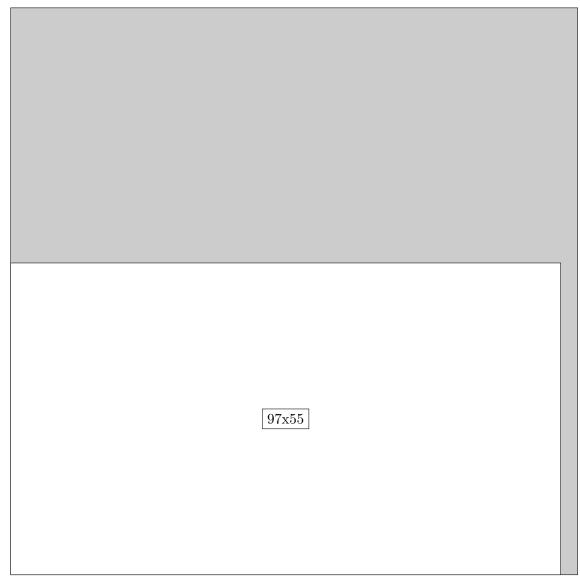


$$\begin{array}{l} w = \! 58 \; , \; h = \! 97 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 5626 \\ w = \! 41 \; , \; h = \! 27 \; , \; x = \! 58 \; , \; y = \! 0 \; , \; v = \! 1107 \end{array}$$

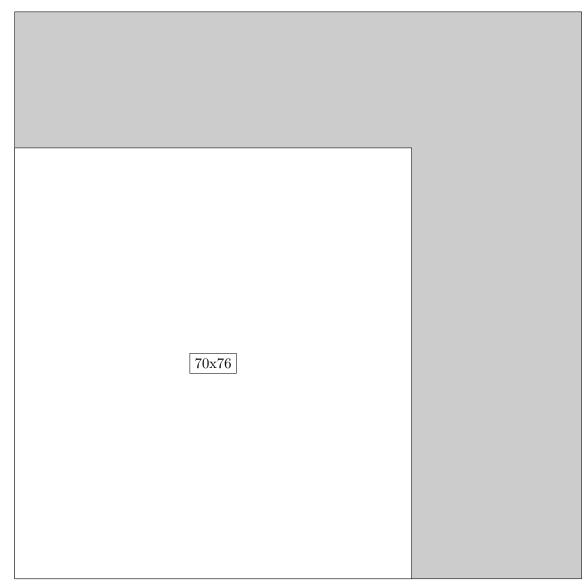
$$w = 33$$
 ,  $h = 27$  ,  $x = 58$  ,  $y = 27$  ,  $v = 891$ 



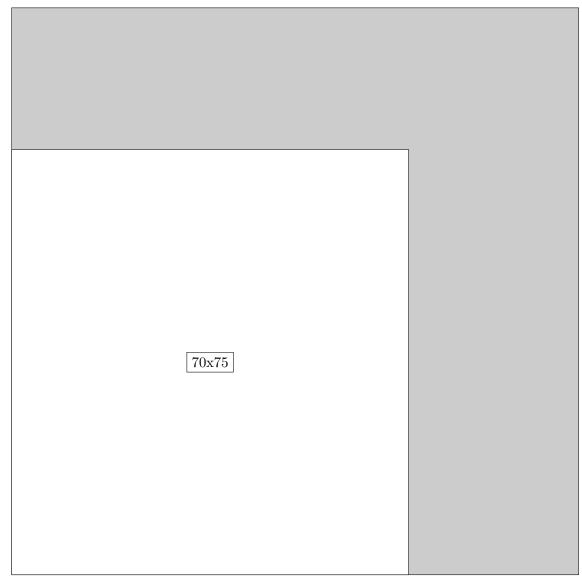
w = 75, h = 73, x = 0, y = 0, v = 5475



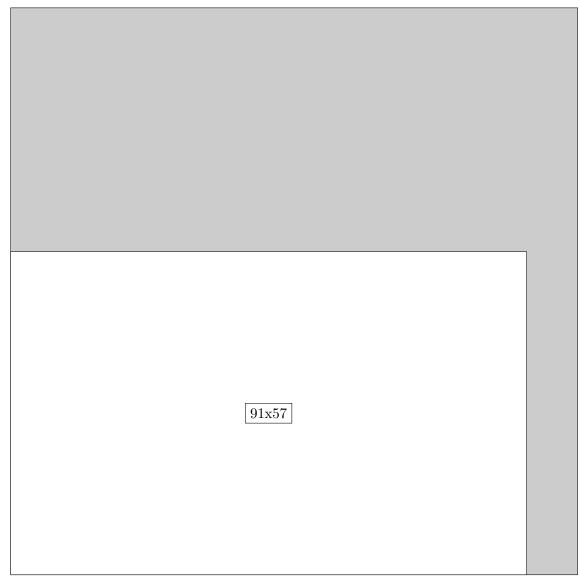
 $\le =97$  , h =55 , x =0 , y =0 , v =5335



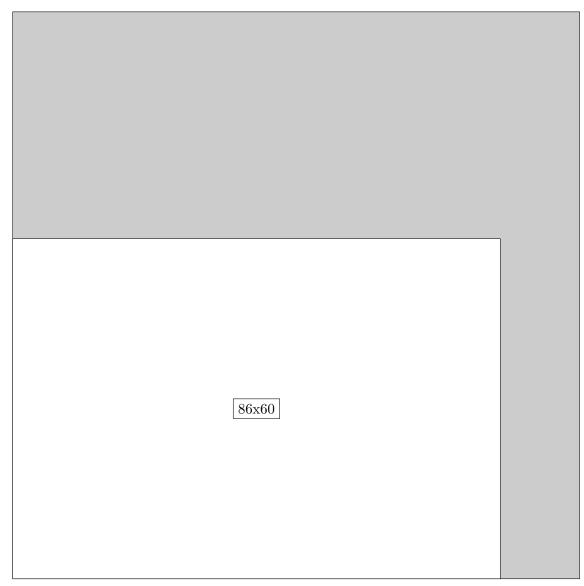
 $\overline{\mathbf{w}} = 70$ ,  $\mathbf{h} = 76$ ,  $\mathbf{x} = 0$ ,  $\mathbf{y} = 0$ ,  $\mathbf{v} = 5320$ 



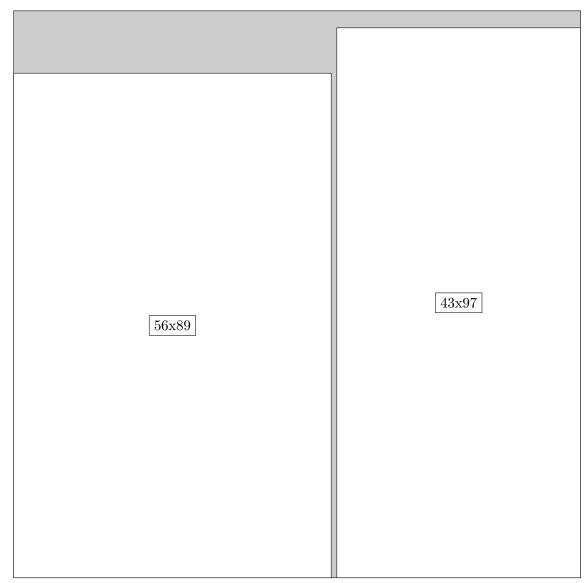
 $\mathbf{w}$  =70 , h =75 , x =0 , y =0 , v =5250



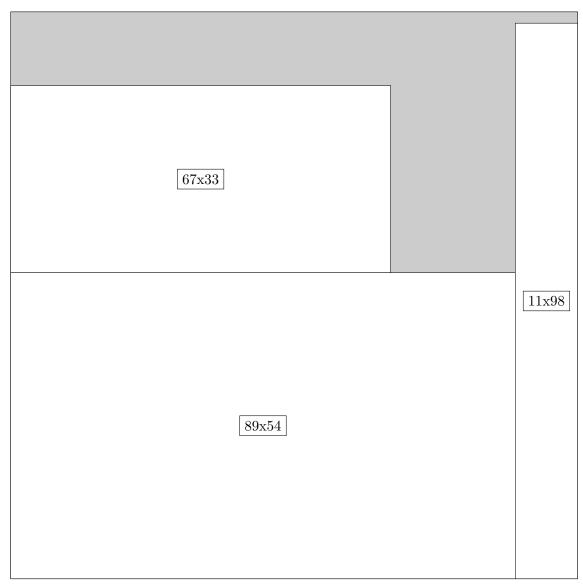
 $\le =91$  , h =57 , x =0 , y =0 , v =5187



w = 86, h = 60, x = 0, y = 0, v = 5160



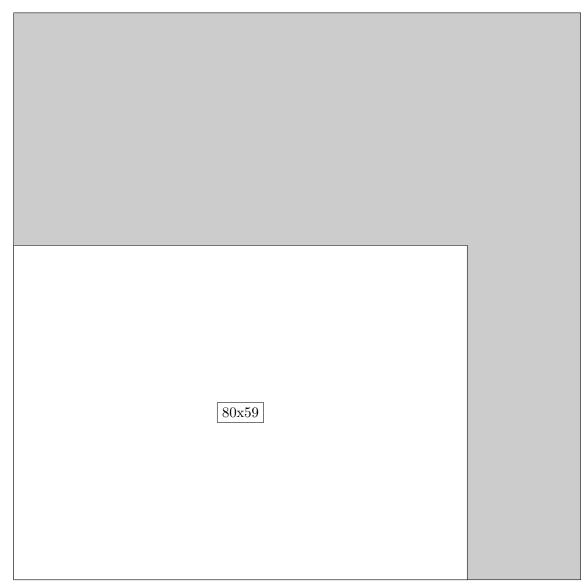
$$\begin{array}{c} w = \!\! 56 \; , \; h = \!\! 89 \; , \; x = \!\! 0 \; , \; y = \!\! 0 \; , \; v = \!\! 4984 \\ w = \!\! 43 \; , \; h = \!\! 97 \; , \; x = \!\! 57 \; , \; y = \!\! 0 \; , \; v = \!\! 4171 \end{array}$$



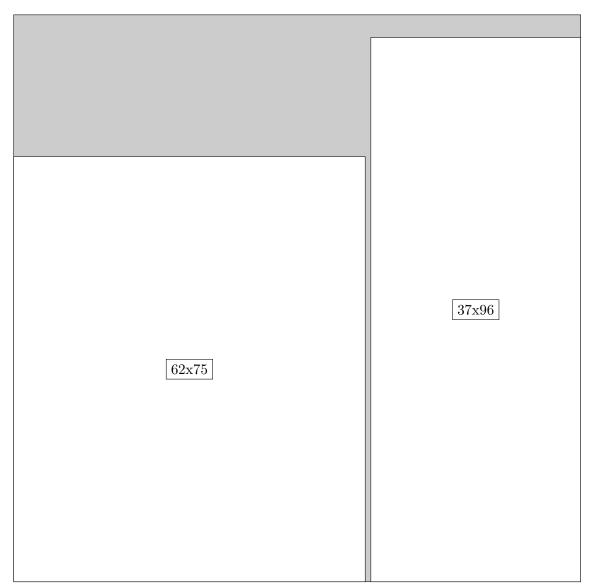
$$w = 89$$
,  $h = 54$ ,  $x = 0$ ,  $y = 0$ ,  $v = 4806$ 

$$\le =67$$
 , h =33 , x =0 , y =54 , v =2211

$$\le =11$$
 ,  $h=98$  ,  $x=89$  ,  $y=0$  ,  $v=1078$ 



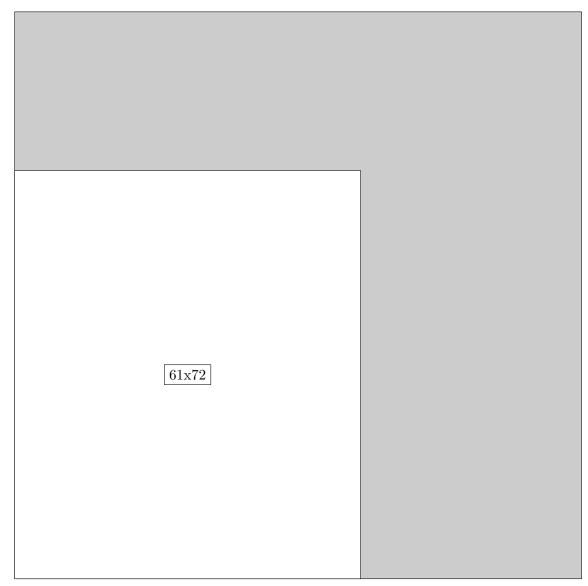
w = 80, h = 59, x = 0, y = 0, v = 4720



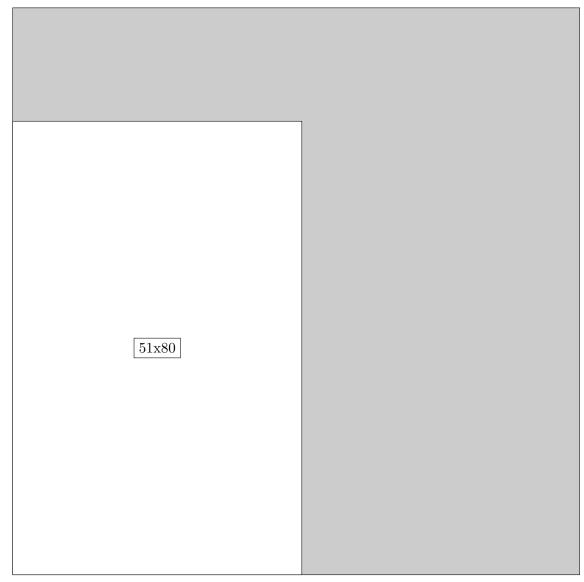
$$\begin{array}{c} w = 62 \; , \; h = 75 \; , \; x = 0 \; , \; y = 0 \; , \; v = \!\! 4650 \\ w = \!\! 37 \; , \; h = \!\! 96 \; , \; x = \!\! 63 \; , \; y = \!\! 0 \; , \; v = \!\! 3552 \end{array}$$

54x83	4	5x83

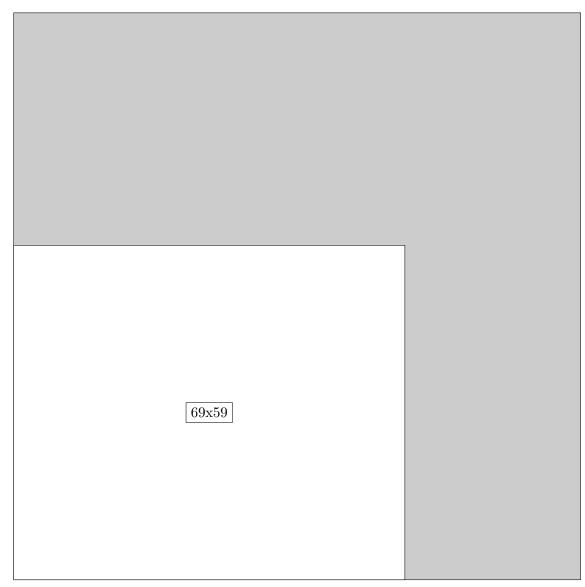
$$\begin{array}{c} w = \!54 \; , \; h = \!83 \; , \; x = \!0 \; , \; y = \!0 \; , \; v = \!4482 \\ w = \!45 \; , \; h = \!83 \; , \; x = \!54 \; , \; y = \!0 \; , \; v = \!3735 \\ \end{array}$$



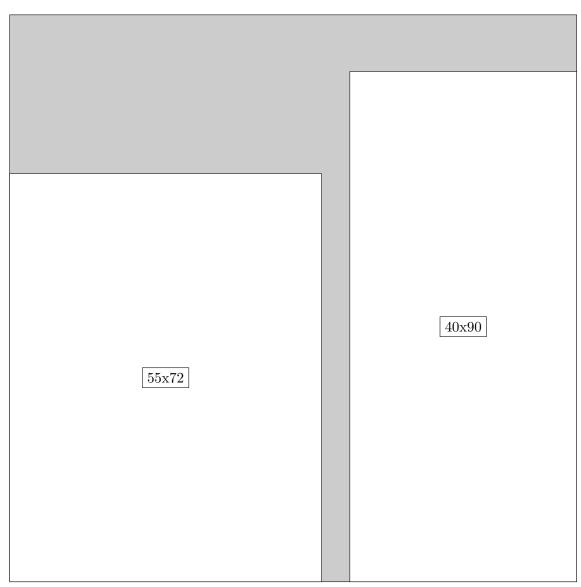
w = 61, h = 72, x = 0, y = 0, v = 4392



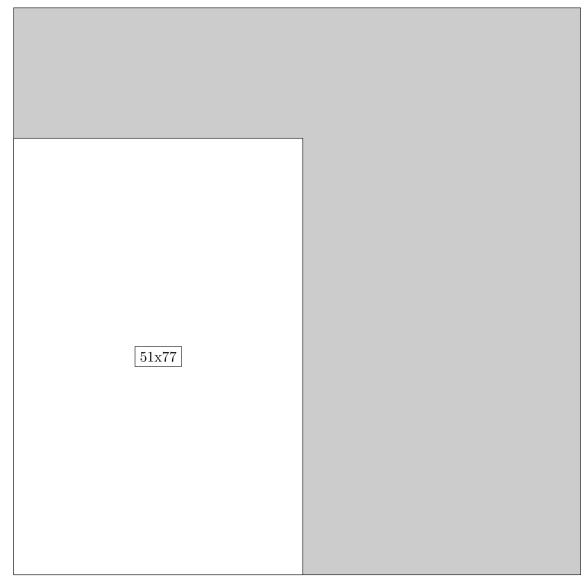
 $\overline{w} = 51$ , h = 80, x = 0, y = 0, v = 4080



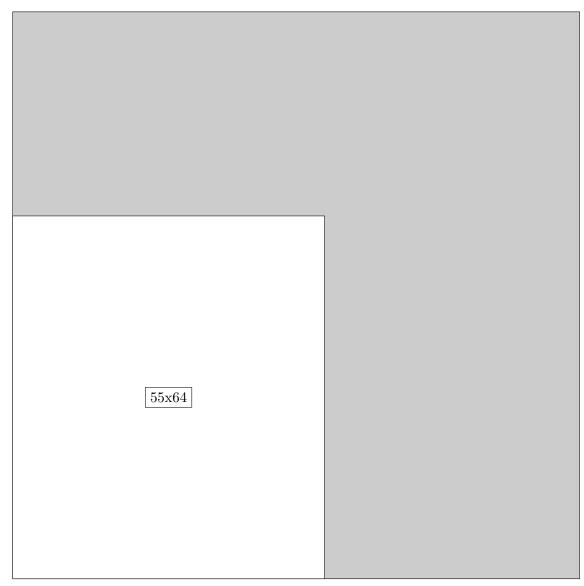
w = 69, h = 59, x = 0, y = 0, v = 4071



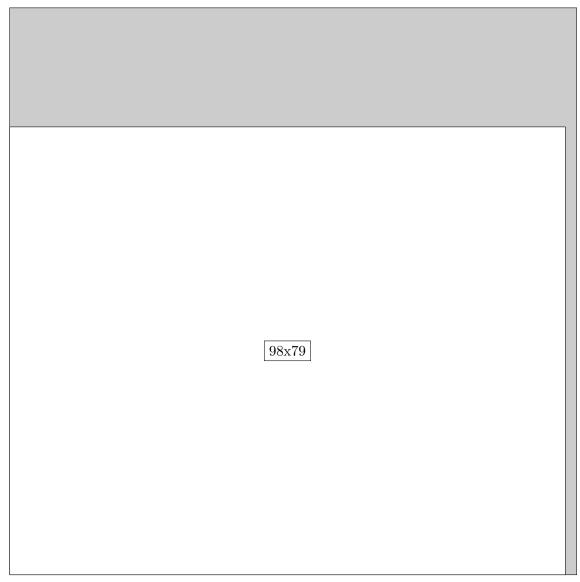
$$\begin{array}{c} w = \!\! 55 \ , \ h = \!\! 72 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 3960 \\ w = \!\! 40 \ , \ h = \!\! 90 \ , \ x = \!\! 60 \ , \ y = \!\! 0 \ , \ v = \!\! 3600 \end{array}$$



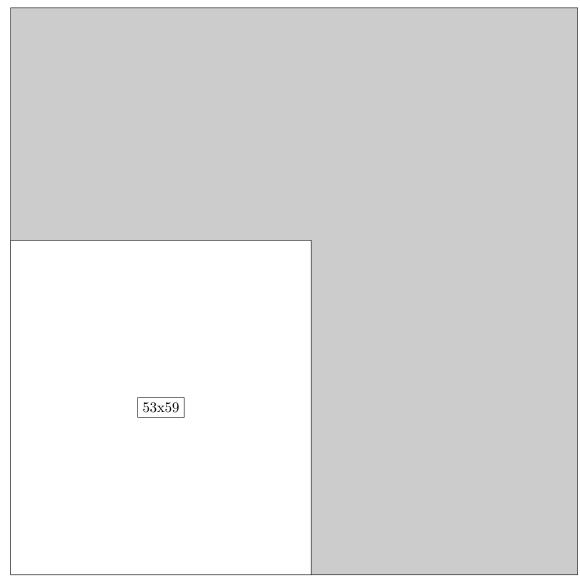
w = 51, h = 77, x = 0, y = 0, v = 3927



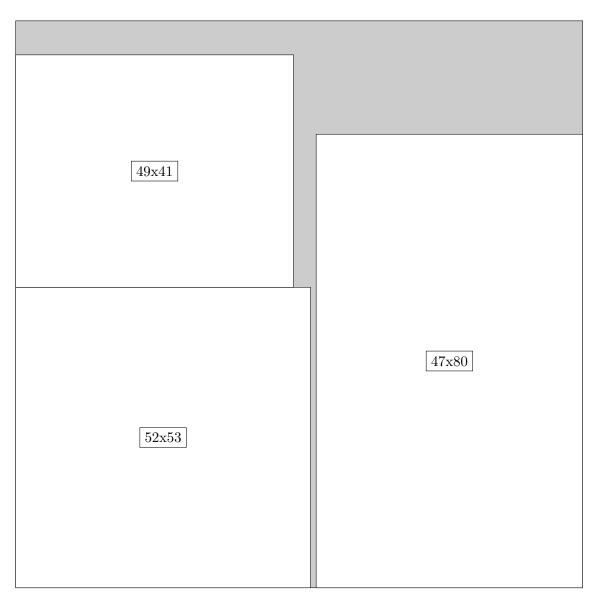
w = 55, h = 64, x = 0, y = 0, v = 3520



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



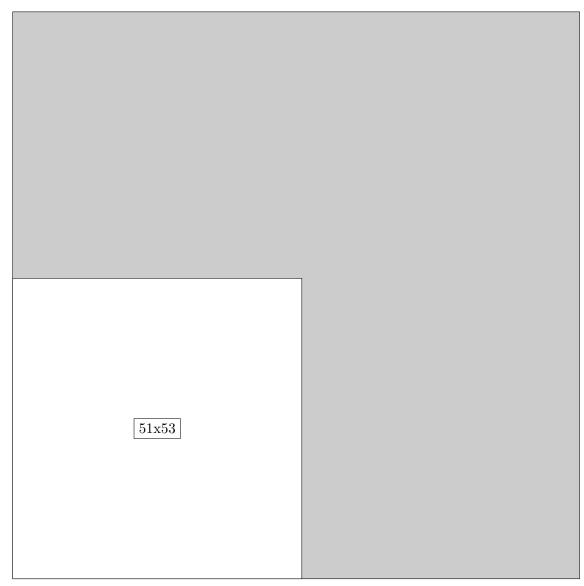
w = 53, h = 59, x = 0, y = 0, v = 3127



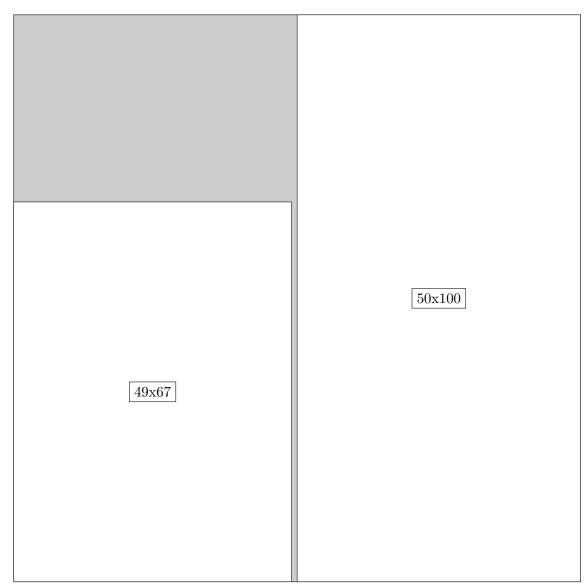
$$w$$
 =47 ,  $h$  =80 ,  $x$  =53 ,  $y$  =0 ,  $v$  =3760

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

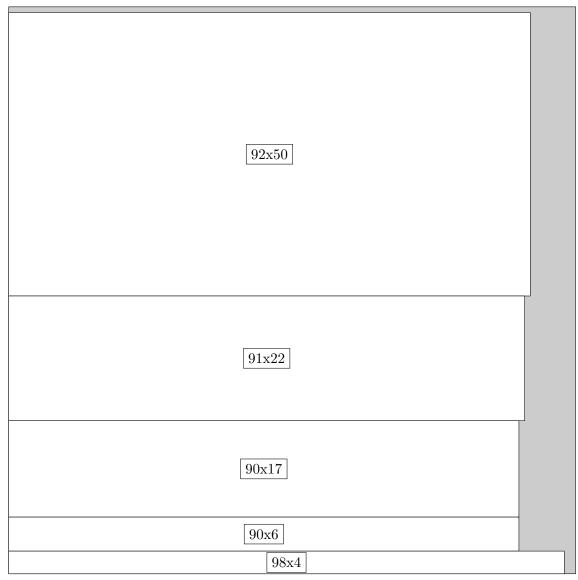
$$\le =49$$
 , h =41 , x =0 , y =53 , v =2009



w = 51, h = 53, x = 0, y = 0, v = 2703



w =50, h =100, x =50, y =0, v =5000 w =49, h =67, x =0, y =0, v =3283



$$w = 92$$
,  $h = 50$ ,  $x = 0$ ,  $y = 49$ ,  $v = 4600$ 

$$\le =91$$
 , h =22 , x =0 , y =27 , v =2002

$$\le =90$$
 , h =17 , x =0 , y =10 , v =1530

$$\le =90$$
 ,  $h$  =6 ,  $x$  =0 ,  $y$  =4 ,  $v$  =540

$$\le =98$$
 , h =4 , x =0 , y =0 , v =392