$ClassName: \ Class_09.2bp-47$

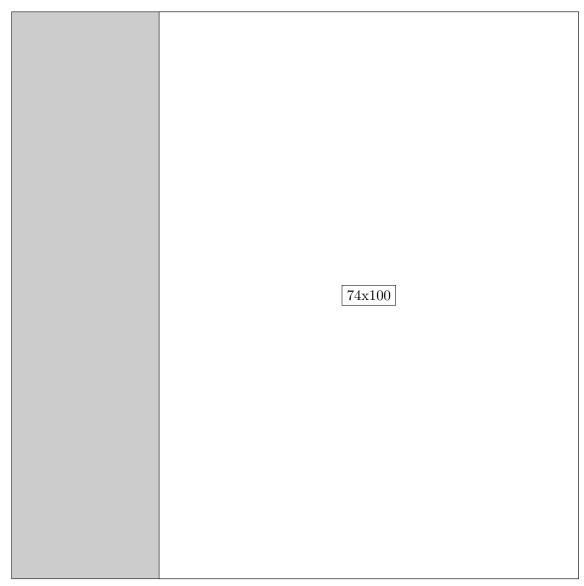
BinSize: $\underline{100 \times 100}$ ReduceSize: $\underline{100 \times 100}$

TypeNum: <u>98</u>
Num: <u>100</u>
OutS: <u>740000</u>
InS: <u>466320</u>
Rate: <u>0.630</u>
UB: <u>74</u>
LB: <u>73</u>

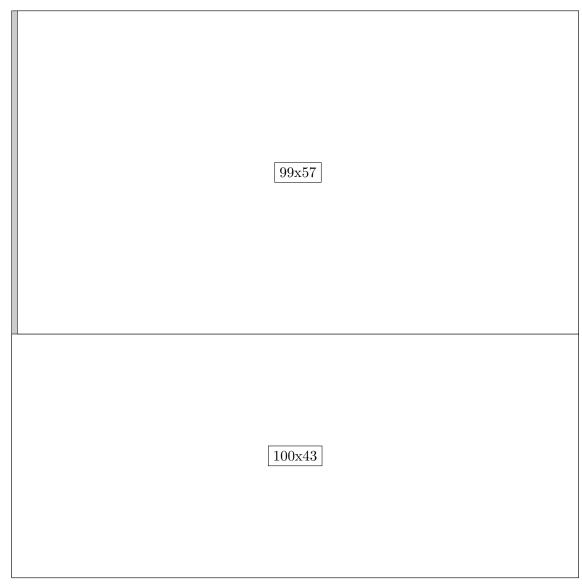
LBWithCut: 73
NodeCount: 0
PrimalNode: 2736
ColumnCount: 81
TotalCutCount: 0
RootCutCount: 0
LPSolverCnt: 2830
PricingSolverCnt: 2829
BranchAndBoundNum: 3

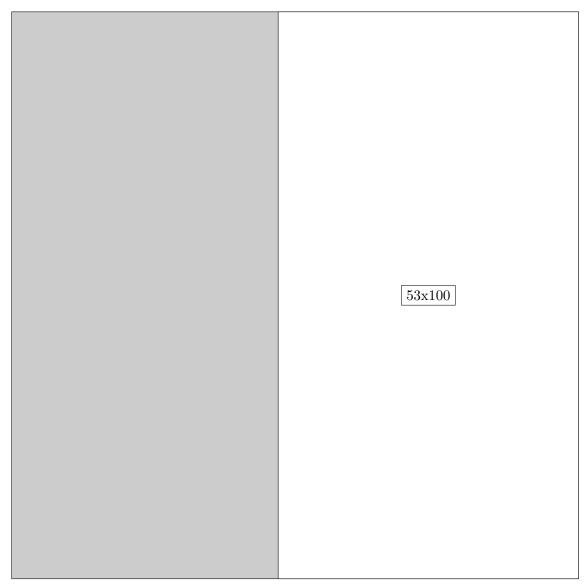
isOpt: **true**

TimeOnPrimal: 2.265 sTimeOnPricing: 0.736 sTimeOnRmp: 0.776 sTotalTime: 2.593 s

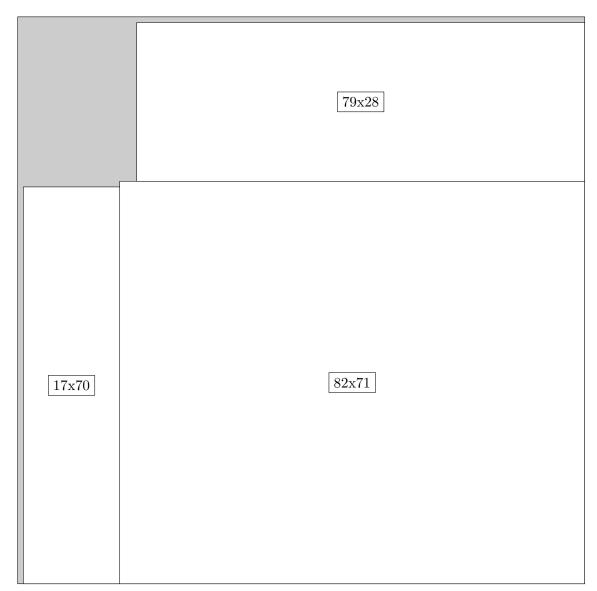


 $\le =74$, h =100 , x =26 , y =0 , v =7400



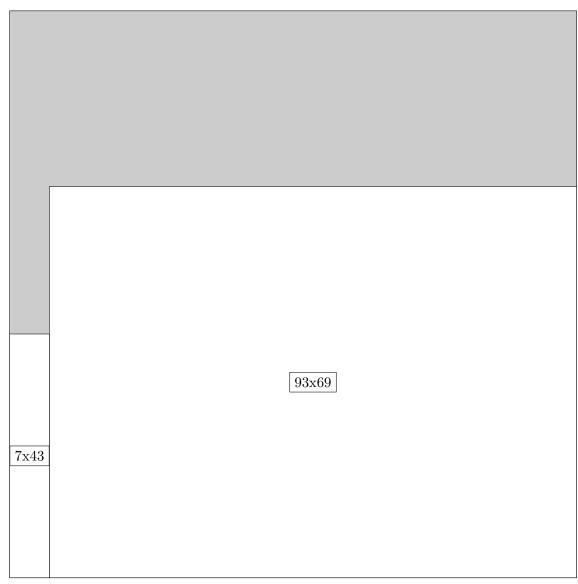


 $\le =53$, h =100 , x =47 , y =0 , v =5300

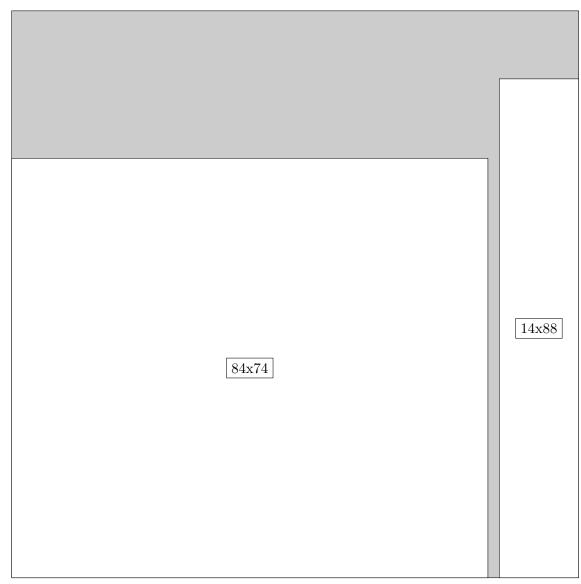


$$\begin{array}{l} w = \! 82 \; , \; h = \! 71 \; , \; x = \! 18 \; , \; y = \! 0 \; , \; v = \! 5822 \\ w = \! 17 \; , \; h = \! 70 \; , \; x = \! 1 \; , \; y = \! 0 \; , \; v = \! 1190 \\ \end{array}$$

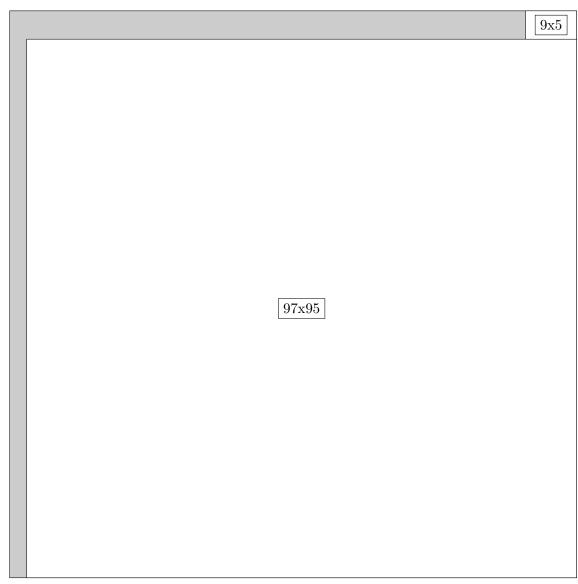
$$w = 79$$
 , $h = 28$, $x = 21$, $y = 71$, $v = 2212$



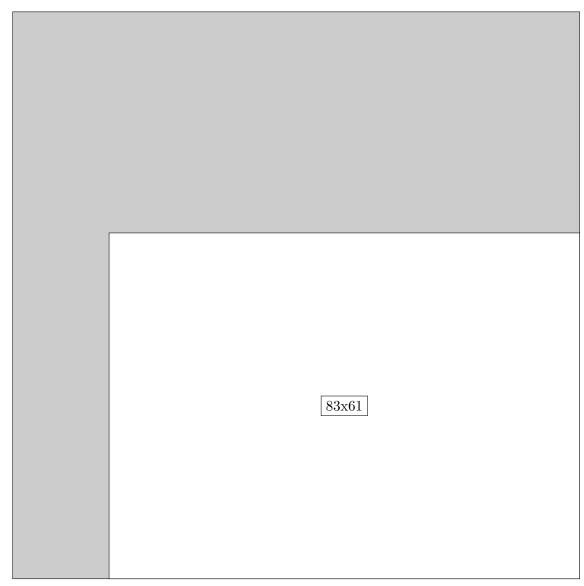
w =93, h =69, x =7, y =0, v =6417 w =7, h =43, x =0, y =0, v =301



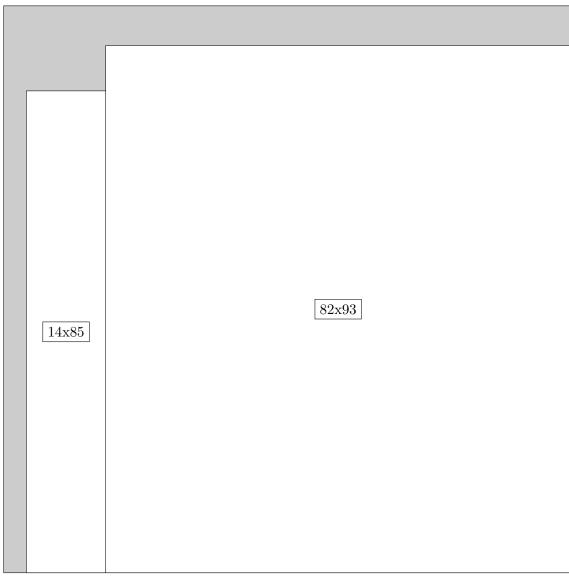
$$\begin{array}{l} w = \! 14 \ , \ h = \! 88 \ , \ x = \! 86 \ , \ y = \! 0 \ , \ v = \! 1232 \\ w = \! 84 \ , \ h = \! 74 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 6216 \end{array}$$



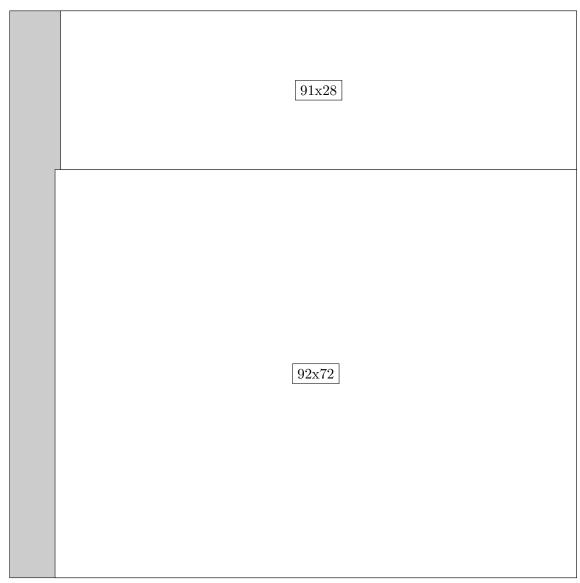
$$\begin{array}{l} w = \! 97 \ , \ h = \! 95 \ , \ x = \! 3 \ , \ y = \! 0 \ , \ v = \! 9215 \\ w = \! 9 \ , \ h = \! 5 \ , \ x = \! 91 \ , \ y = \! 95 \ , \ v = \! 45 \end{array}$$

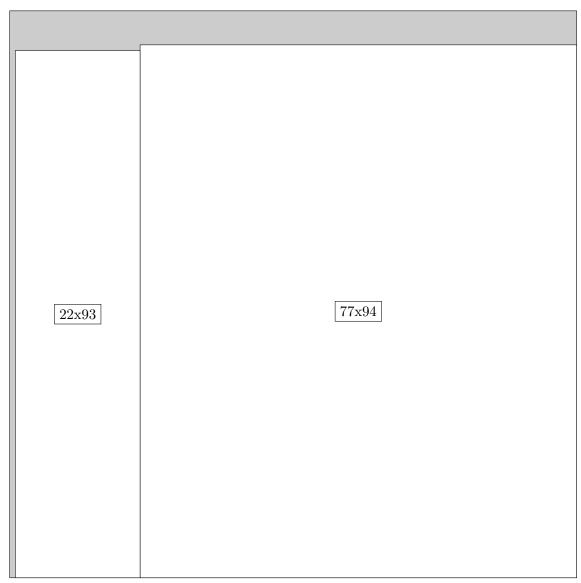


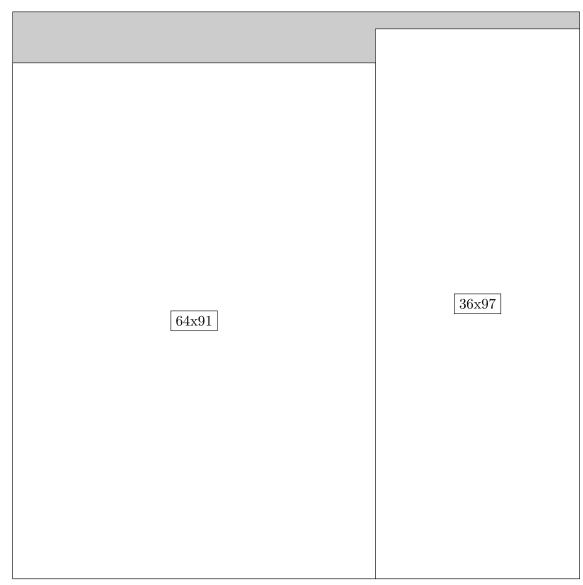
 $\le =83$, h =61 , x =17 , y =0 , v =5063

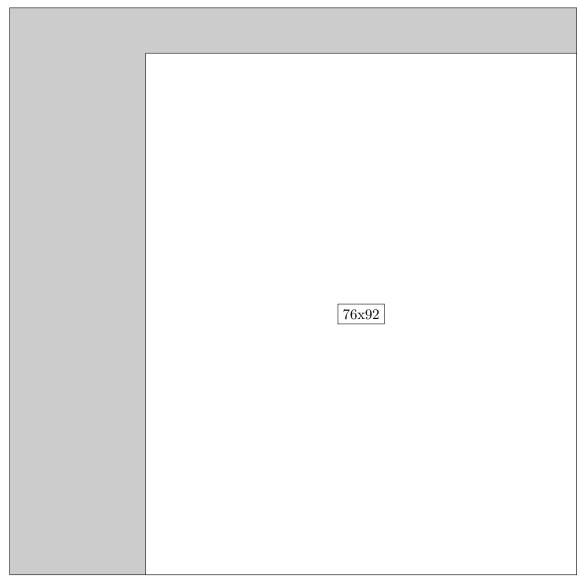


$$\begin{array}{l} w = \! 82 \ , \ h = \! 93 \ , \ x = \! 18 \ , \ y = \! 0 \ , \ v = \! 7626 \\ w = \! 14 \ , \ h = \! 85 \ , \ x = \! 4 \ , \ y = \! 0 \ , \ v = \! 1190 \end{array}$$

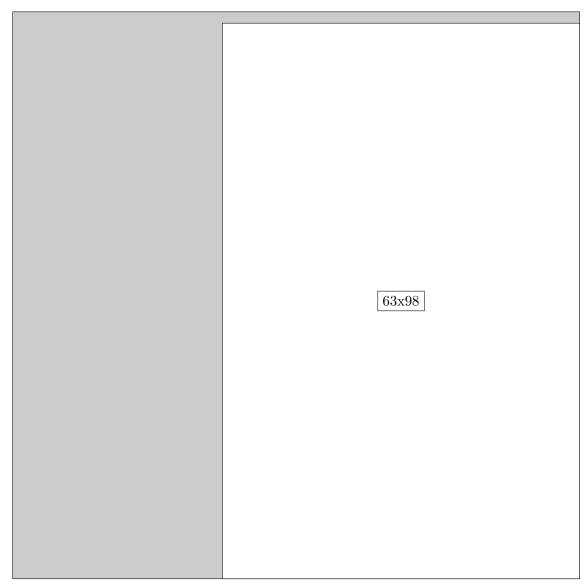




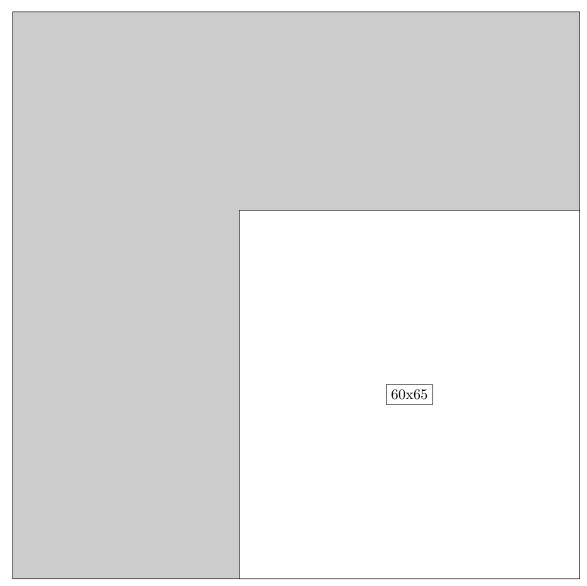




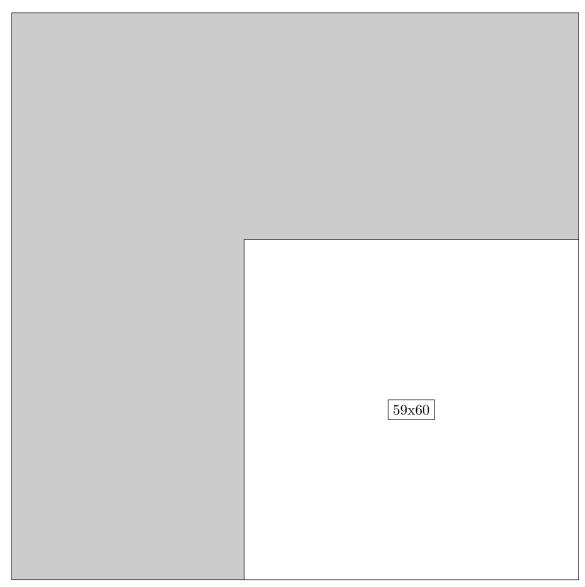
 $\le =76$, h =92 , x =24 , y =0 , v =6992



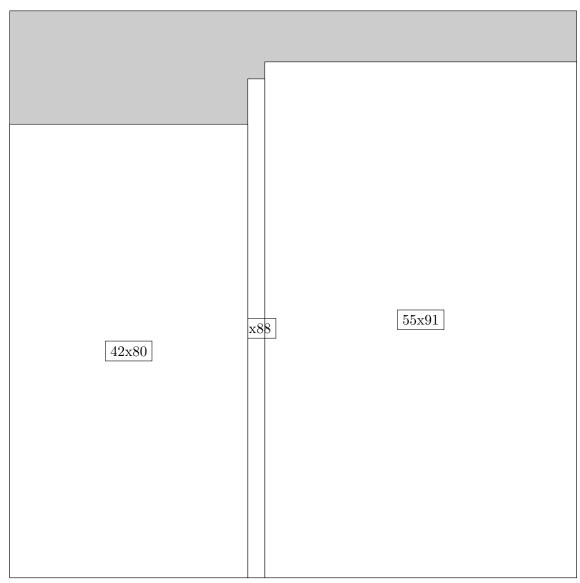
 $\le =63$, h =98 , x =37 , y =0 , v =6174



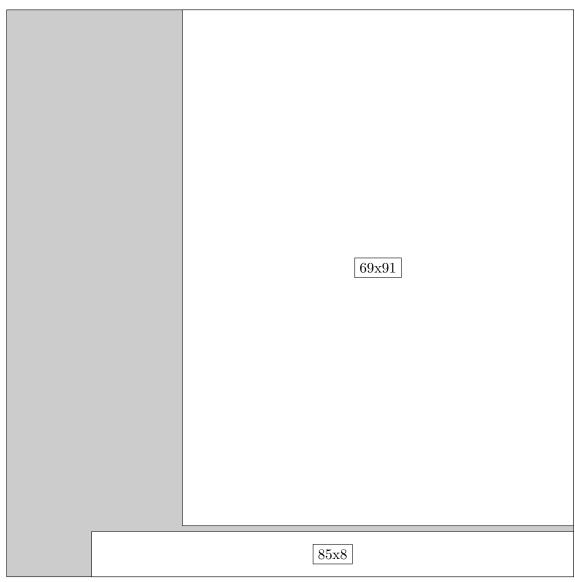
 $\le =60$, h=65 , $x=\!40$, $y=\!0$, $v=\!3900$



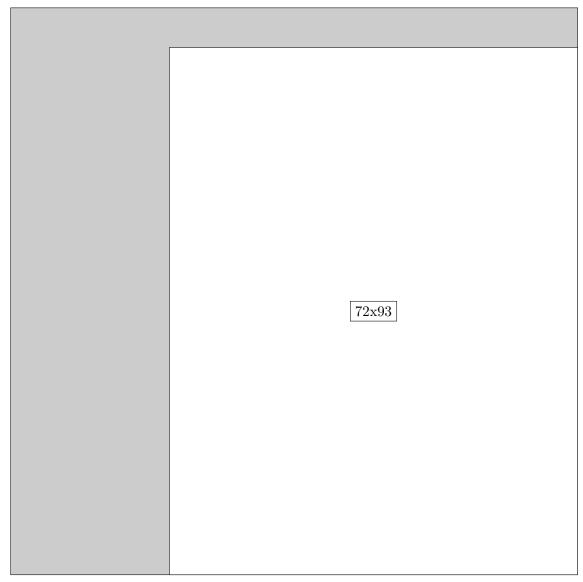
 $\le =59$, h =60 , x =41 , y =0 , v =3540



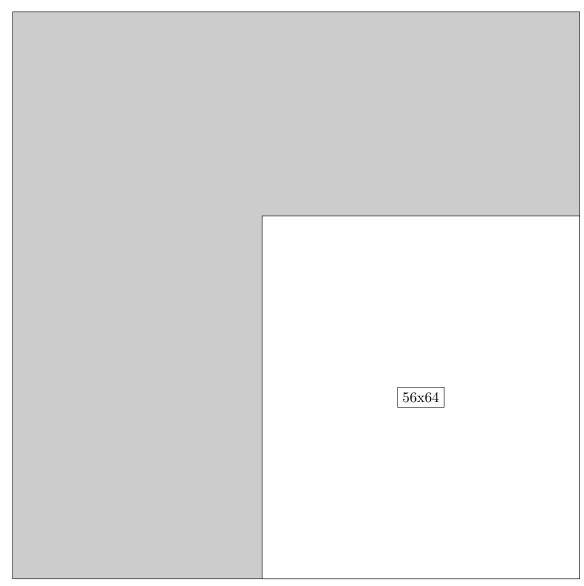
 $\begin{array}{l} w = \!55 \ , \ h = \!91 \ , \ x = \!\!45 \ , \ y = \!\!0 \ , \ v = \!\!5005 \\ w = \!\!3 \ , \ h = \!\!88 \ , \ x = \!\!42 \ , \ y = \!\!0 \ , \ v = \!\!264 \\ w = \!\!42 \ , \ h = \!\!80 \ , \ x = \!\!0 \ , \ y = \!\!0 \ , \ v = \!\!3360 \end{array}$



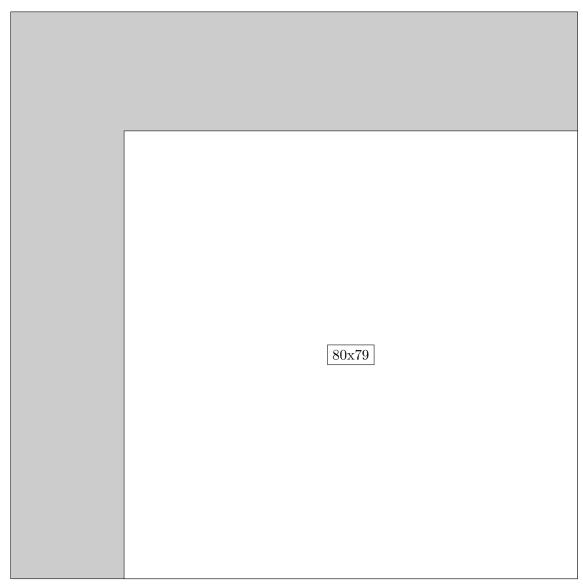
$$\begin{array}{l} w = \! 85 \ , \ h = \! 8 \ , \ x = \! 15 \ , \ y = \! 0 \ , \ v = \! 680 \\ w = \! 69 \ , \ h = \! 91 \ , \ x = \! 31 \ , \ y = \! 9 \ , \ v = \! 6279 \end{array}$$



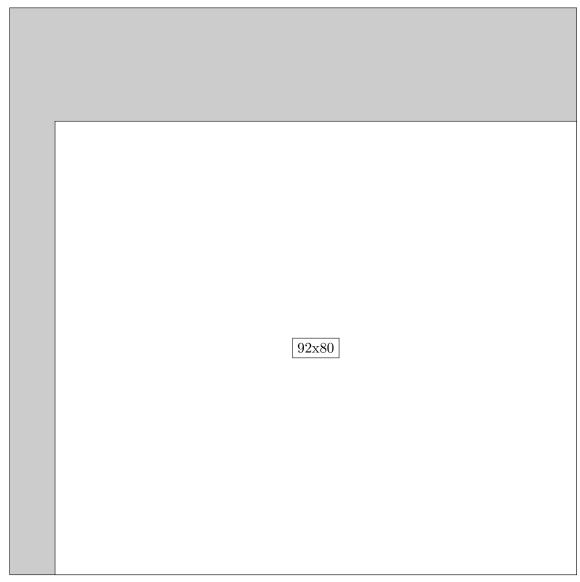
 $\le =72$, h =93 , x =28 , y =0 , v =6696



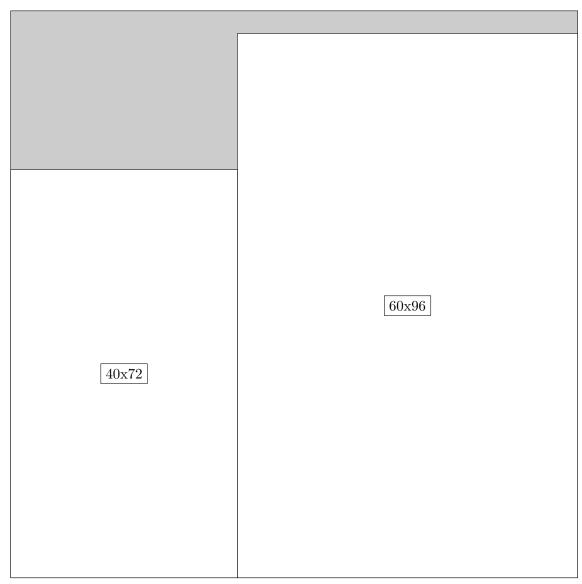
 $\le =56$, h=64 , x=44 , y=0 , v=3584

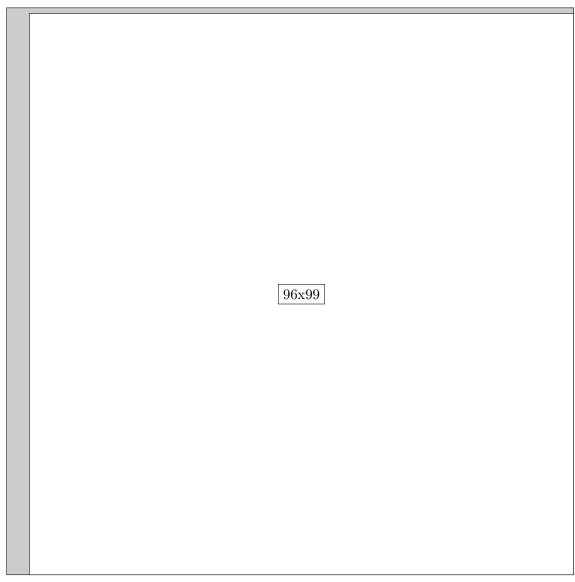


 $\le =80$, h =79 , x =20 , y =0 , v =6320

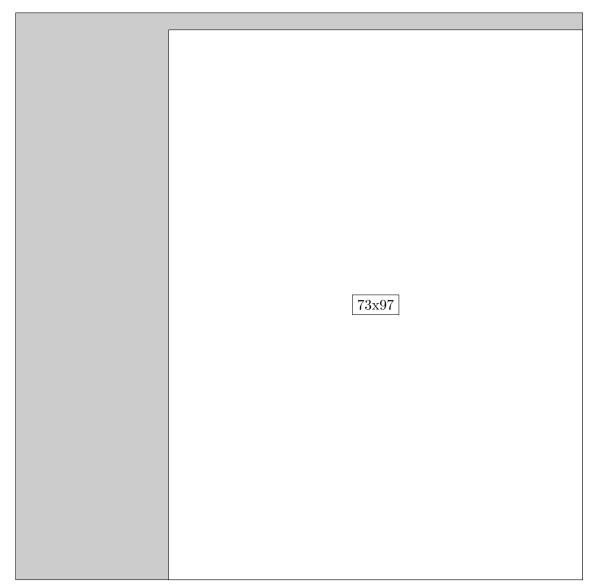


 $\le =92$, h $=\!80$, x $=\!8$, y $=\!0$, v $=\!7360$

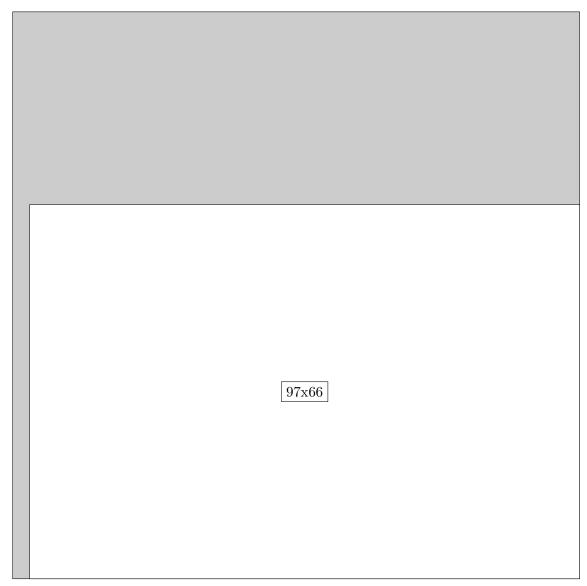




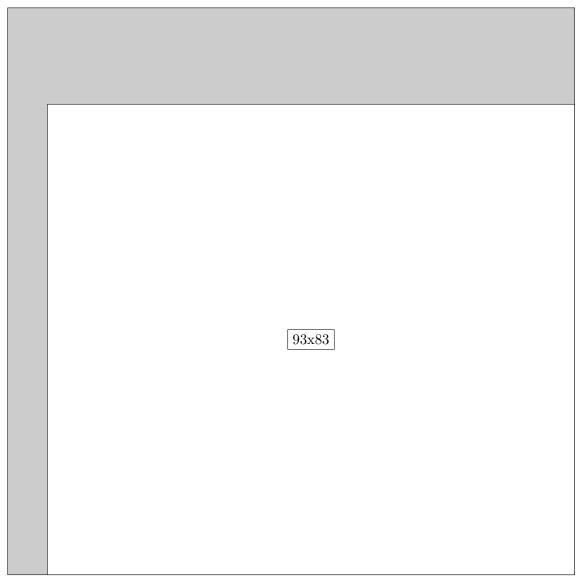
 $\le =96$, h =99 , x =4 , y =0 , v =9504



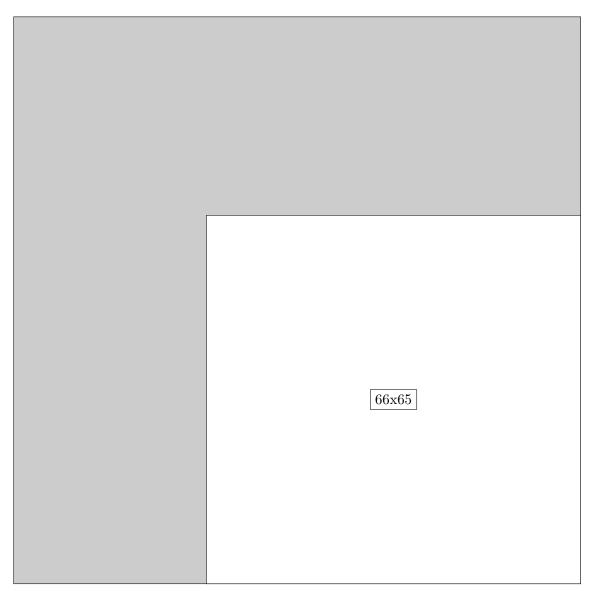
 $\le =73$, h =97 , x =27 , y =0 , v =7081



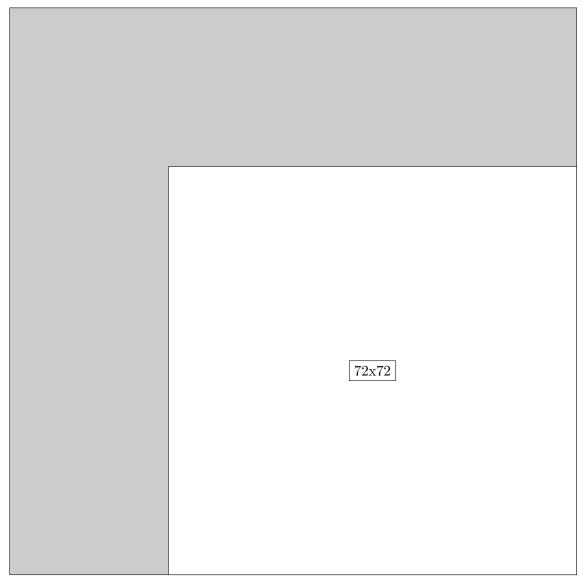
 ≤ -97 , h =66 , x =3 , y =0 , v =6402



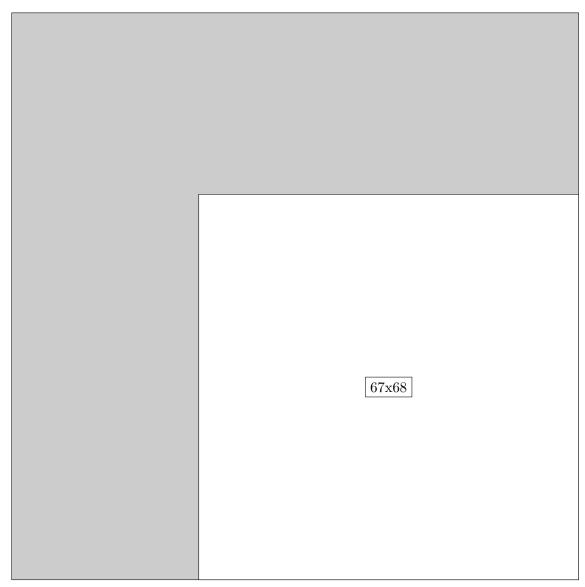
 ≤ -93 , h =83 , x =7 , y =0 , v =7719



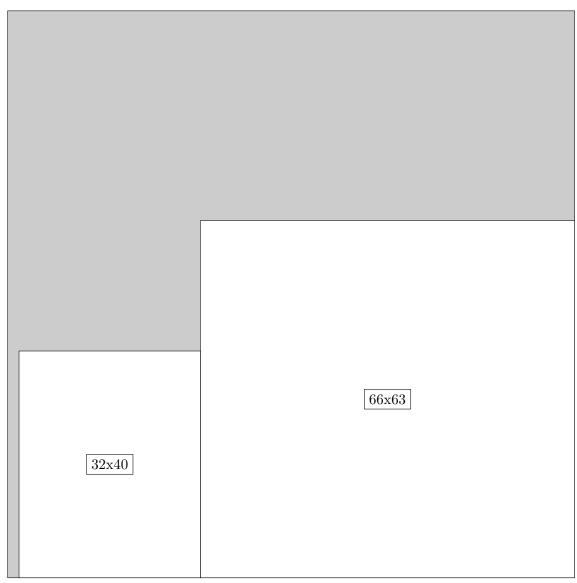
 $\le =66$, h=65 , x=34 , y=0 , v=4290



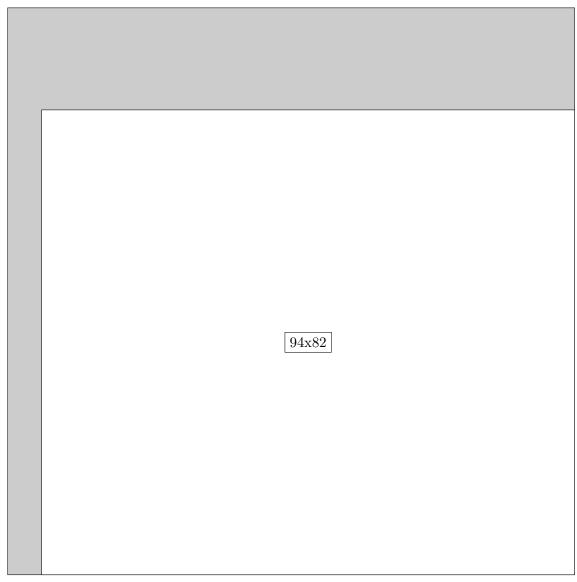
 $\le =72$, h =72 , x =28 , y =0 , v =5184



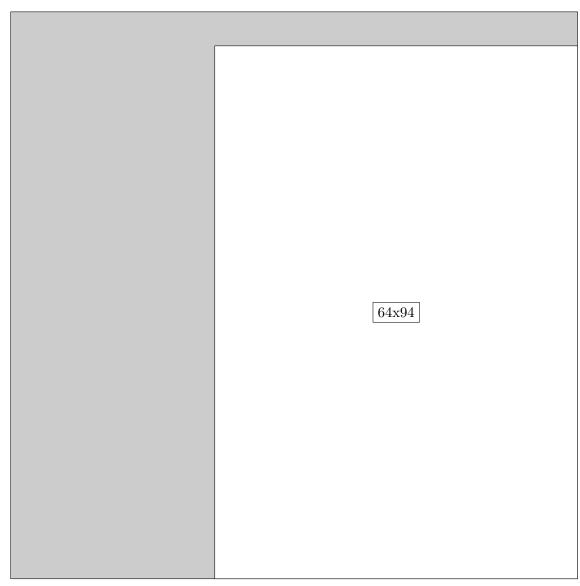
 $\le =67$, h =68 , x =33 , y =0 , v =4556



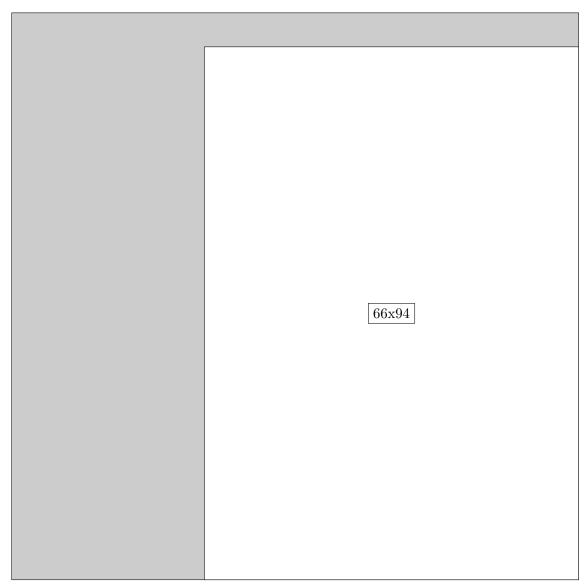
$$\begin{array}{l} w = \!\!66 \ , \ h = \!\!63 \ , \ x = \!\!34 \ , \ y = \!\!0 \ , \ v = \!\!4158 \\ w = \!\!32 \ , \ h = \!\!40 \ , \ x = \!\!2 \ , \ y = \!\!0 \ , \ v = \!\!1280 \end{array}$$



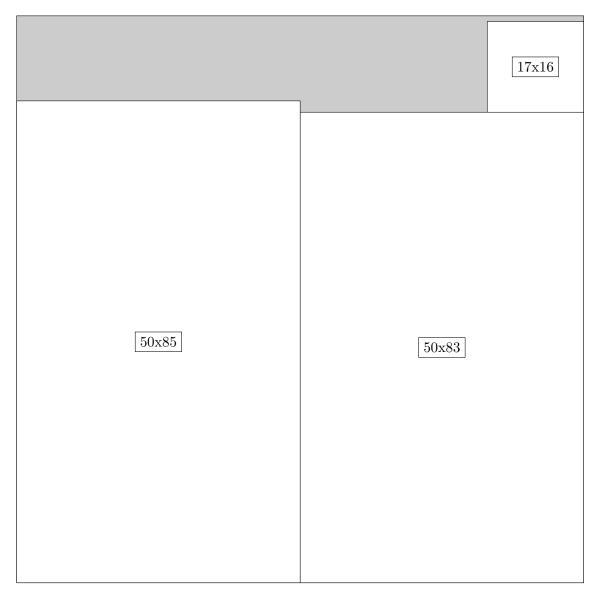
 $\le =94$, h =82 , x =6 , y =0 , v =7708



 $\le =64$, h =94 , x =36 , y =0 , v =6016



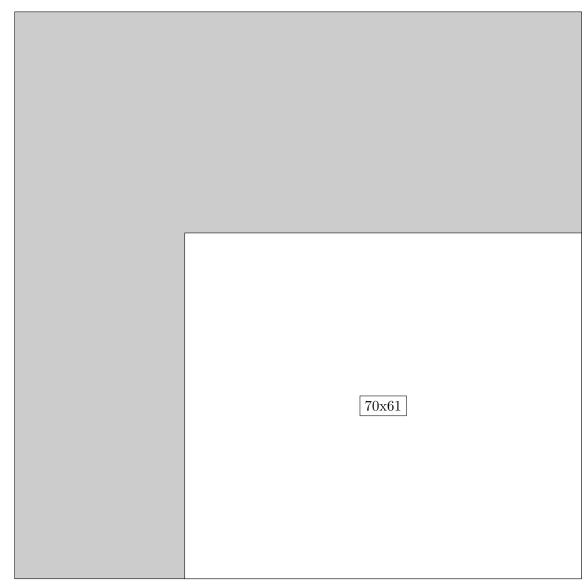
 $\le =66$, h =94 , x =34 , y =0 , v =6204



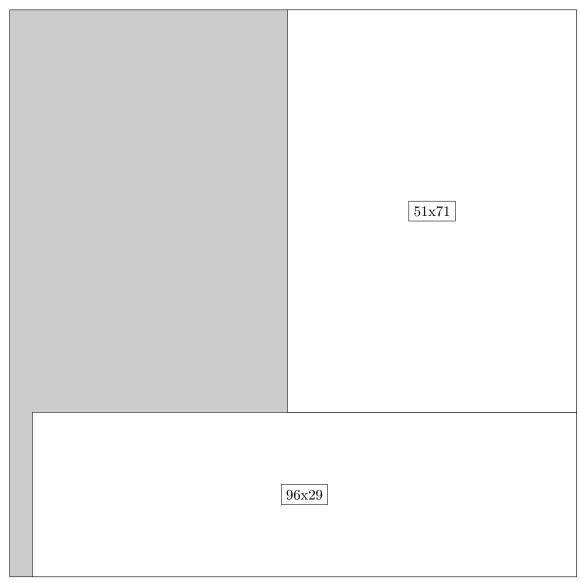
$$w = 50$$
, $h = 83$, $x = 50$, $y = 0$, $v = 4150$

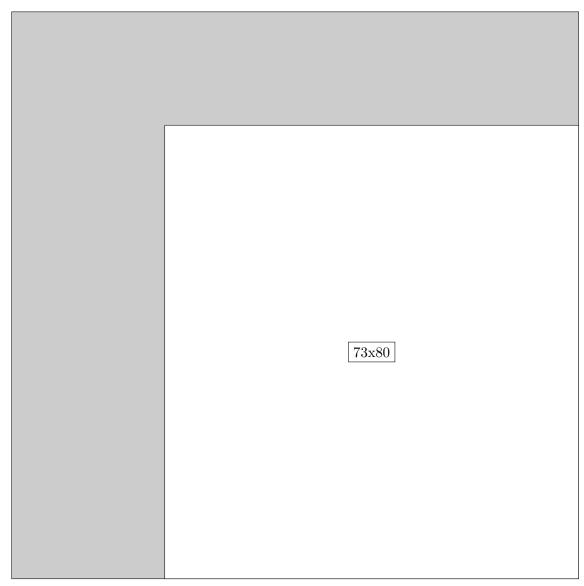
$$\le =17$$
 , $h=16$, $x=83$, $y=83$, $v=272$

$$\le =50$$
 , h =85 , x =0 , y =0 , v =4250

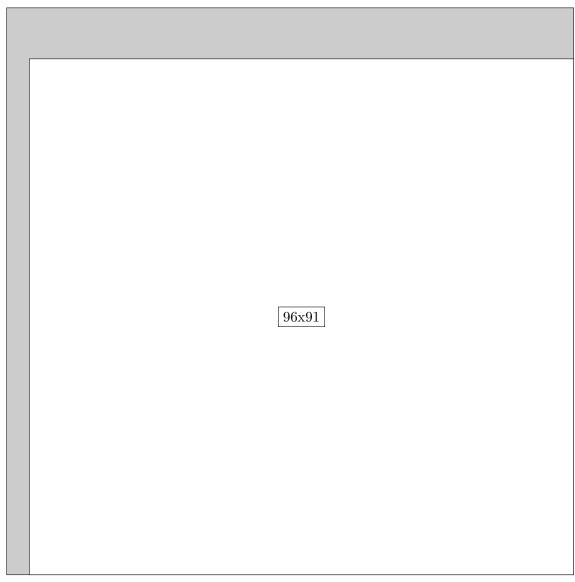


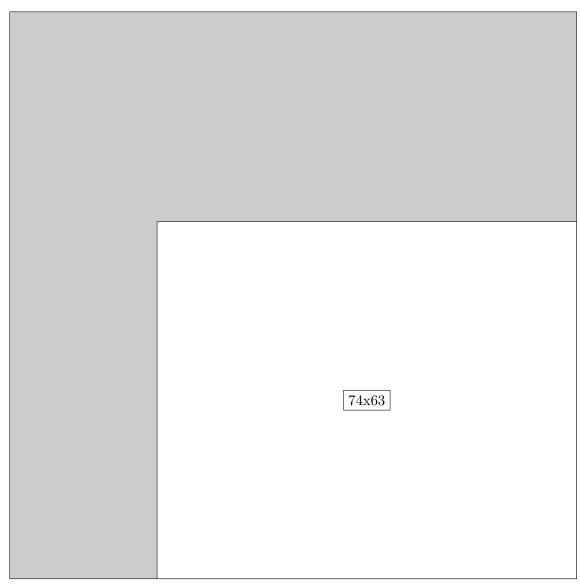
 $\le =70$, h =61 , x =30 , y =0 , v =4270



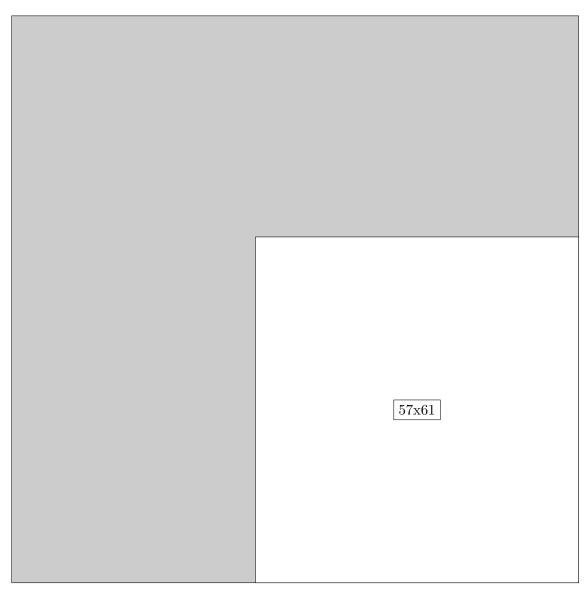


 $\le =73$, h =80 , x =27 , y =0 , v =5840

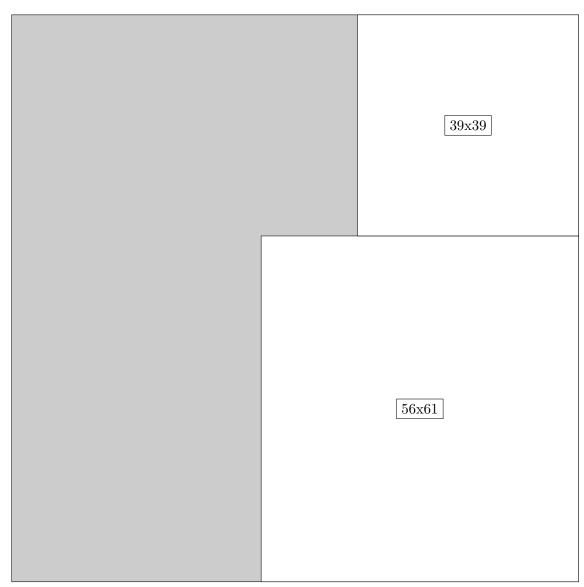




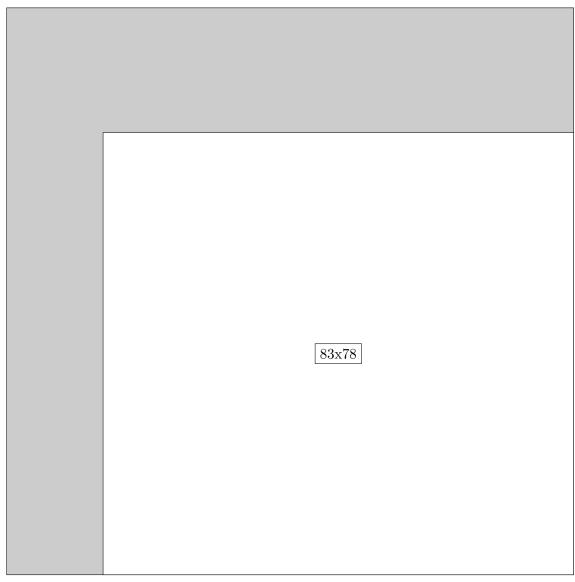
 $\le =74$, h =63 , x =26 , y =0 , v =4662



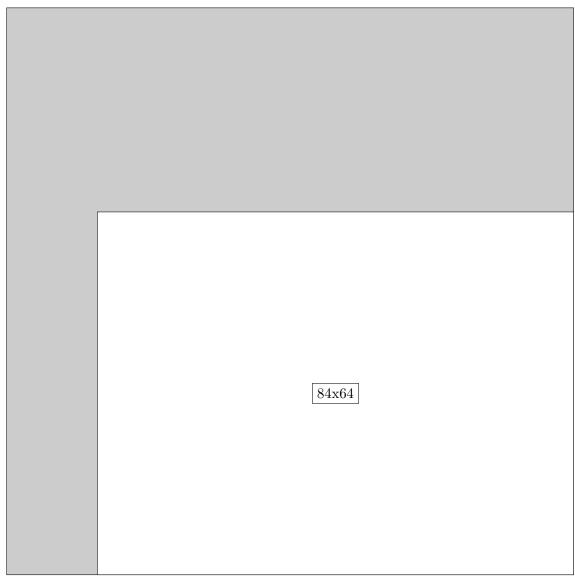
 $\le =57$, h =61 , x =43 , y =0 , v =3477



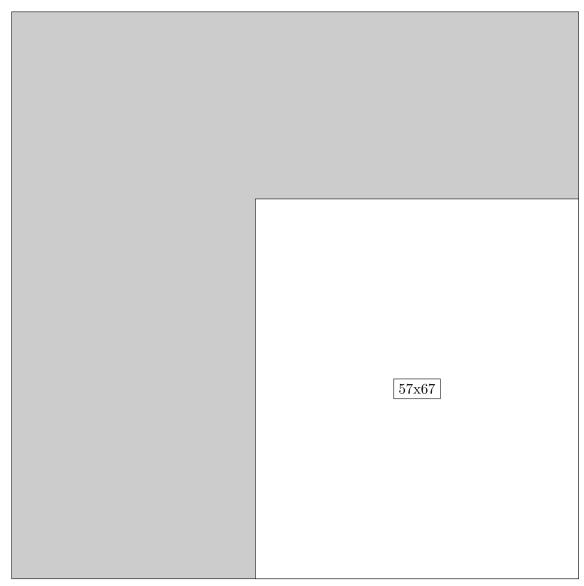
 $\begin{array}{l} w = \!\! 56 \ , \, h = \!\! 61 \ , \, x = \!\! 44 \ , \, y = \!\! 0 \ , \, v = \!\! 3416 \\ w = \!\! 39 \ , \, h = \!\! 39 \ , \, x = \!\! 61 \ , \, y = \!\! 61 \ , \, v = \!\! 1521 \end{array}$



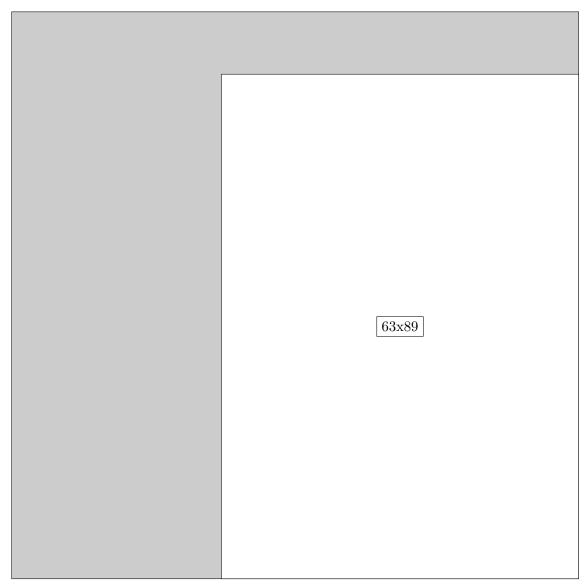
 $\le =83$, h =78 , x =17 , y =0 , v =6474



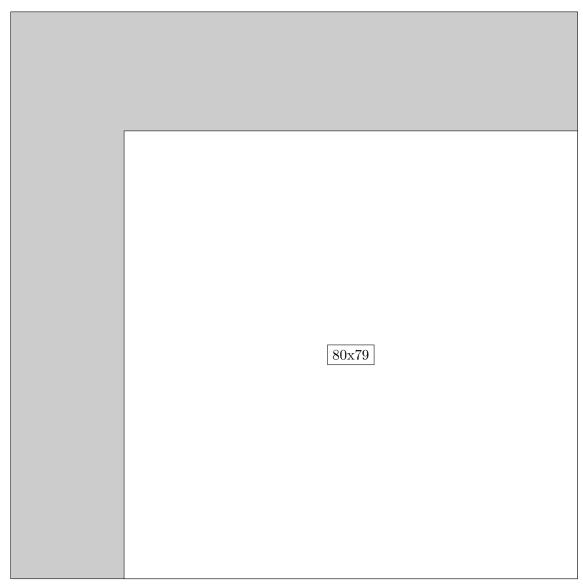
 $\le =84$, h=64 , x=16 , y=0 , v=5376



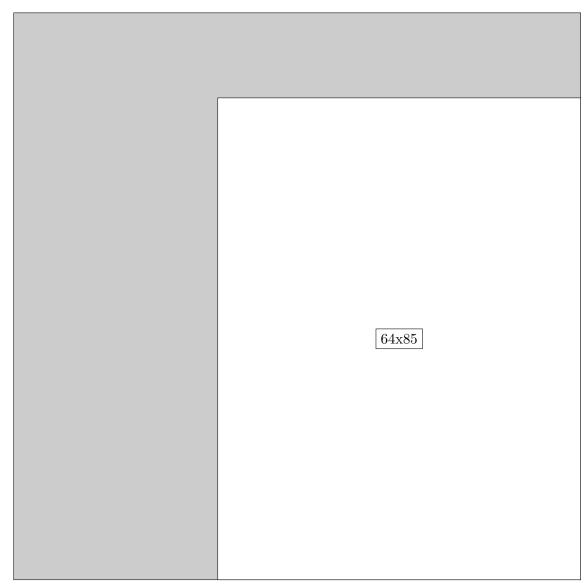
 $\le =57$, h =67 , x =43 , y =0 , v =3819



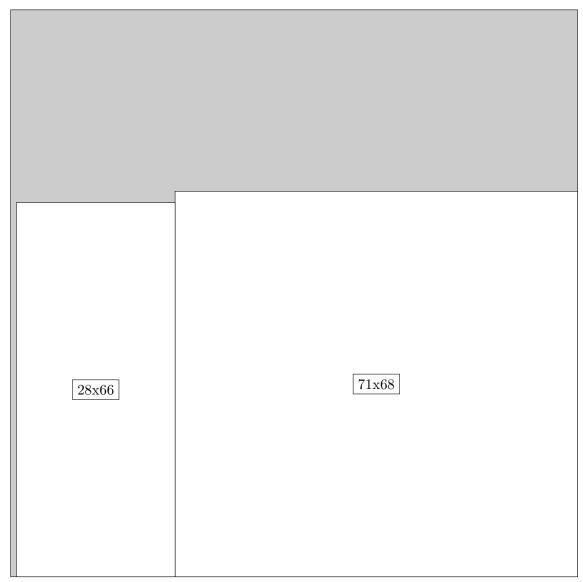
 $\le =63$, h =89 , x =37 , y =0 , v = 5607



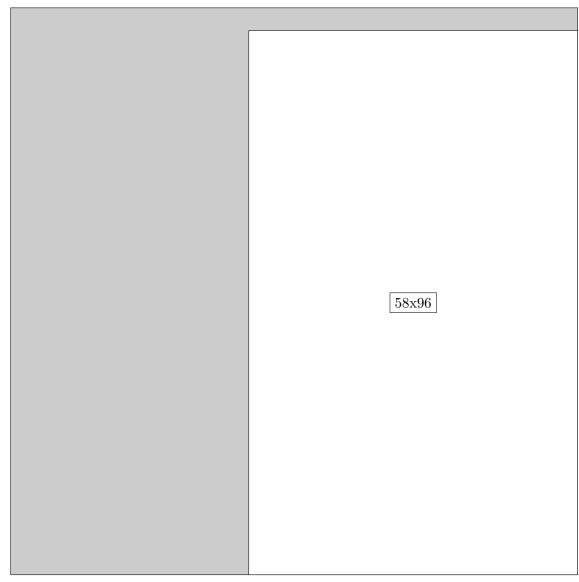
 $\le =80$, h =79 , x =20 , y =0 , v =6320



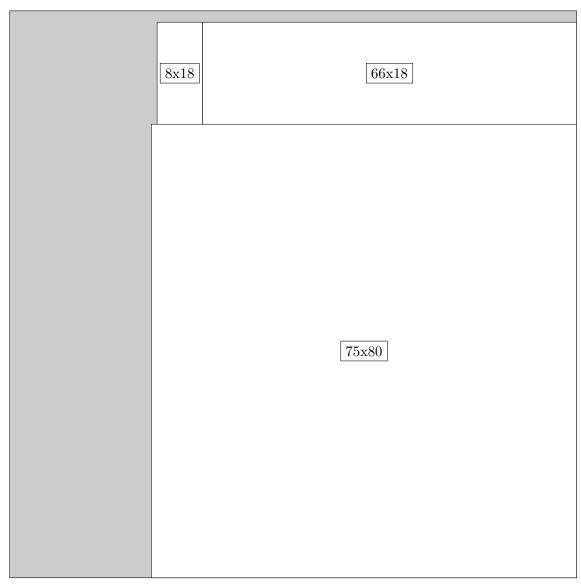
 $\le =64$, h =85 , x =36 , y =0 , v =5440



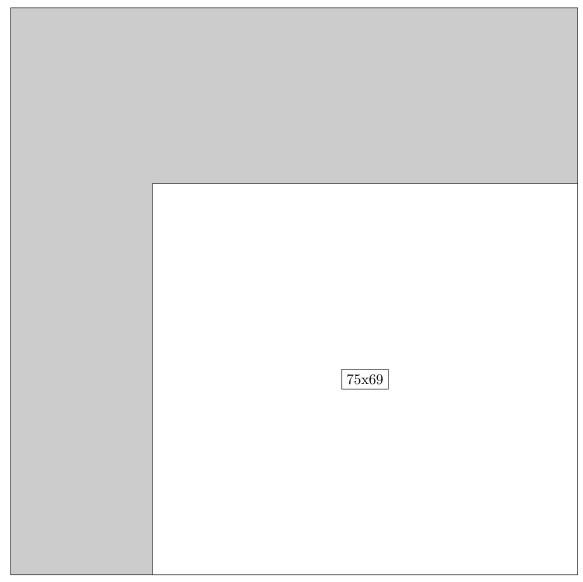
$$\begin{array}{l} w = \!\! 71 \ , \ h = \!\! 68 \ , \ x = \!\! 29 \ , \ y = \!\! 0 \ , \ v = \!\! 4828 \\ w = \!\! 28 \ , \ h = \!\! 66 \ , \ x = \!\! 1 \ , \ y = \!\! 0 \ , \ v = \!\! 1848 \end{array}$$



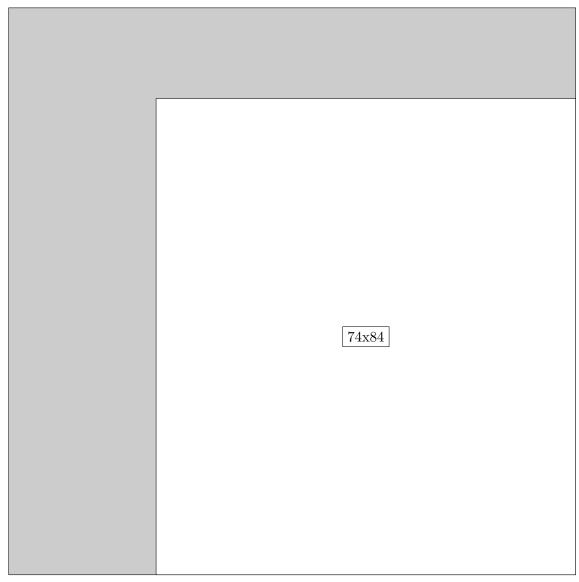
 ≤ -58 , h = 96 , x = 42 , y = 0 , v = 5568



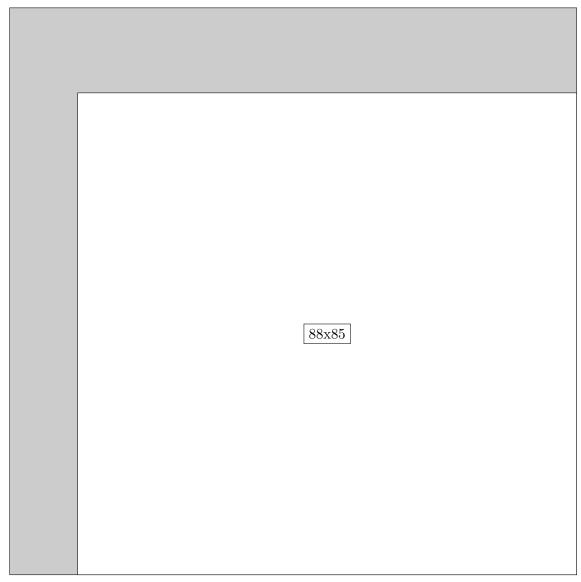
 $\begin{array}{l} w = \!\! 75 \ , \ h = \!\! 80 \ , \ x = \!\! 25 \ , \ y = \!\! 0 \ , \ v = \!\! 6000 \\ w = \!\! 66 \ , \ h = \!\! 18 \ , \ x = \!\! 34 \ , \ y = \!\! 80 \ , \ v = \!\! 1188 \\ w = \!\! 8 \ , \ h = \!\! 18 \ , \ x = \!\! 26 \ , \ y = \!\! 80 \ , \ v = \!\! 144 \end{array}$



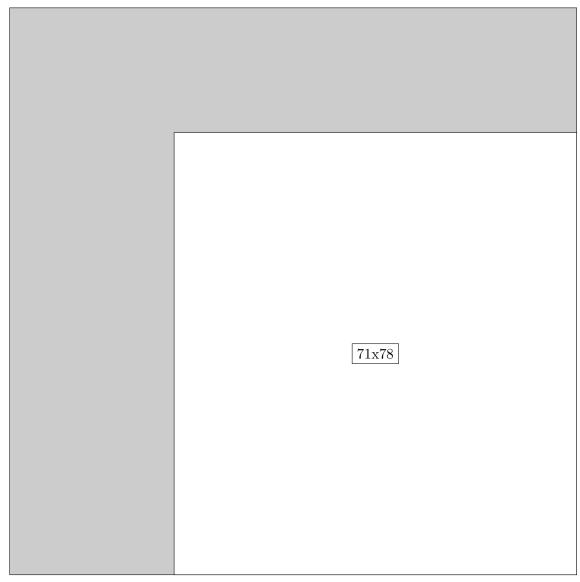
 $\le =75$, h =69 , x =25 , y =0 , v =5175



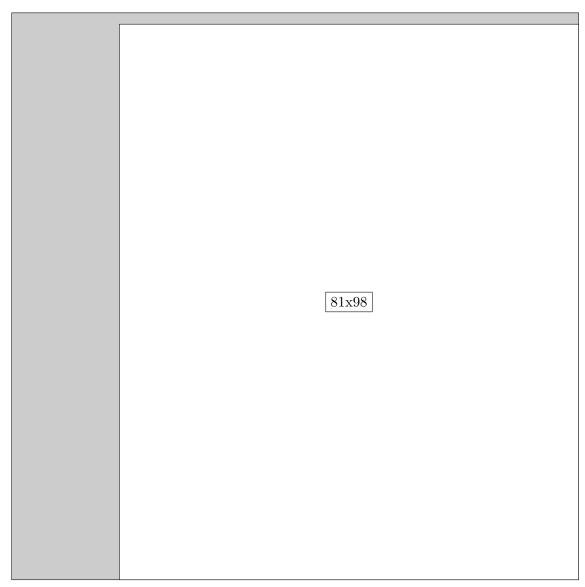
 $\le =74$, h =84 , x =26 , y =0 , v =6216



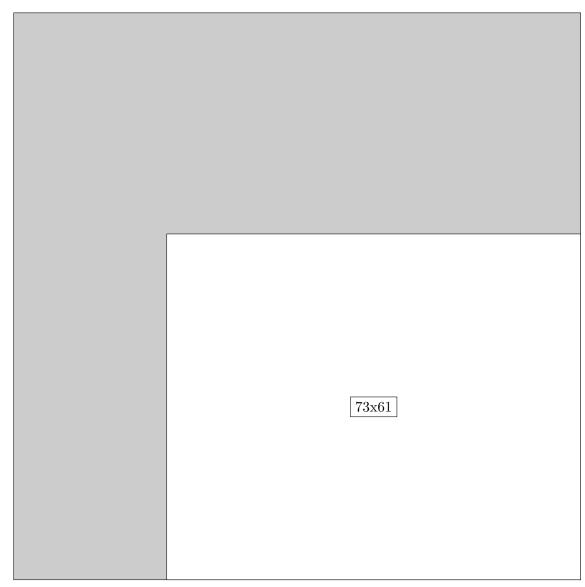
 $\le =88$, h =85 , x =12 , y =0 , v =7480



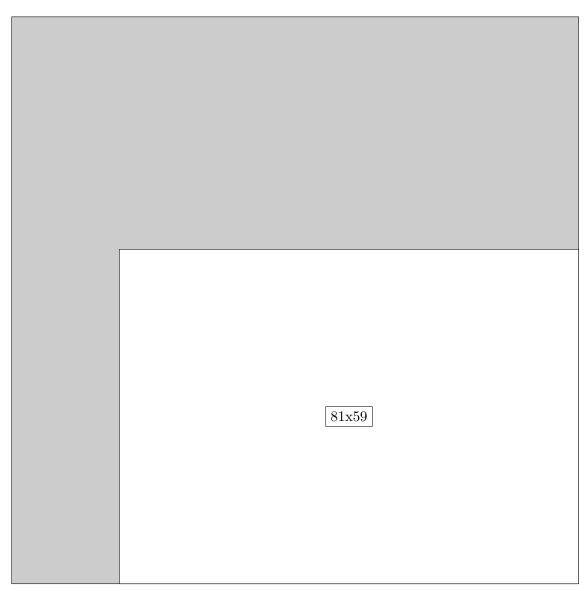
 $\le =71$, h =78 , x =29 , y =0 , v =5538



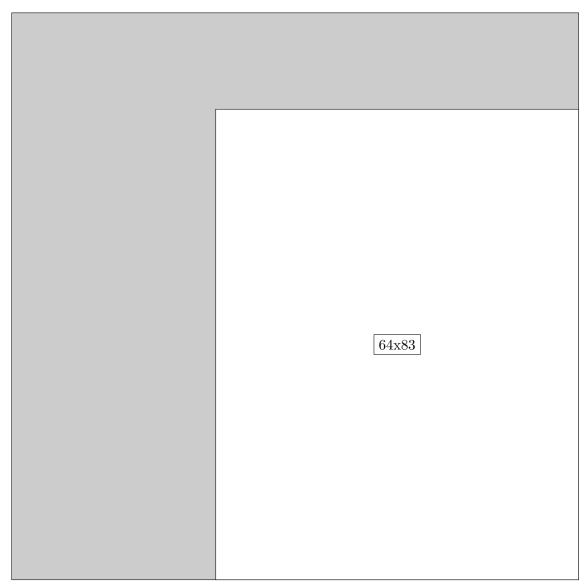
 $\le =81$, h =98 , x =19 , y =0 , v =7938



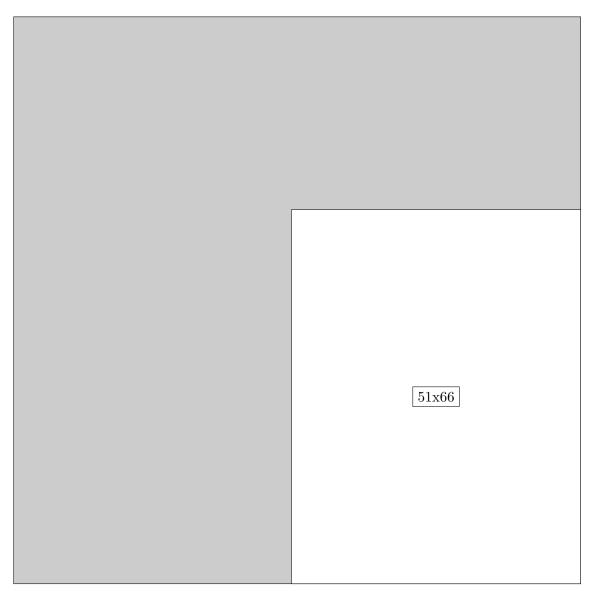
 $\le =73$, h =61 , x =27 , y =0 , v =4453



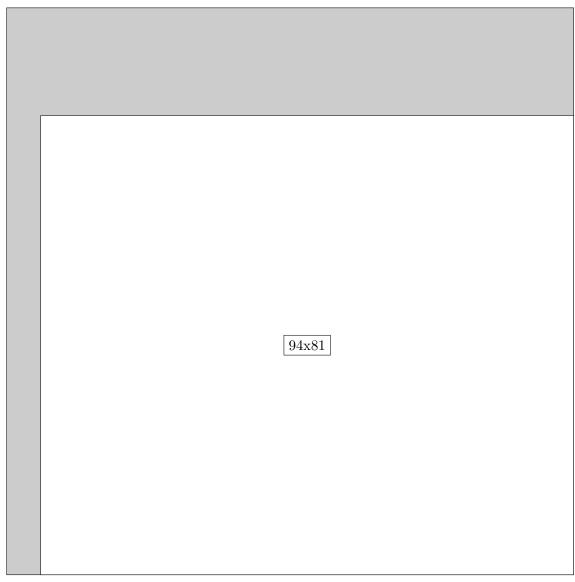
 $\le =81$, h =59 , x =19 , y =0 , v =4779



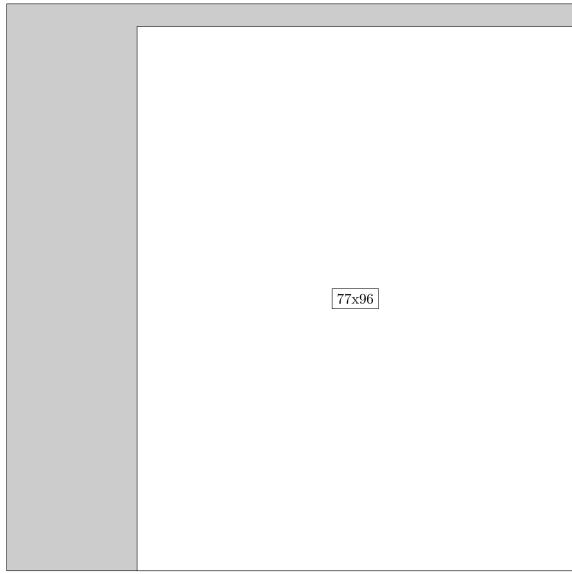
 $\le =64$, h =83 , x =36 , y =0 , v =5312



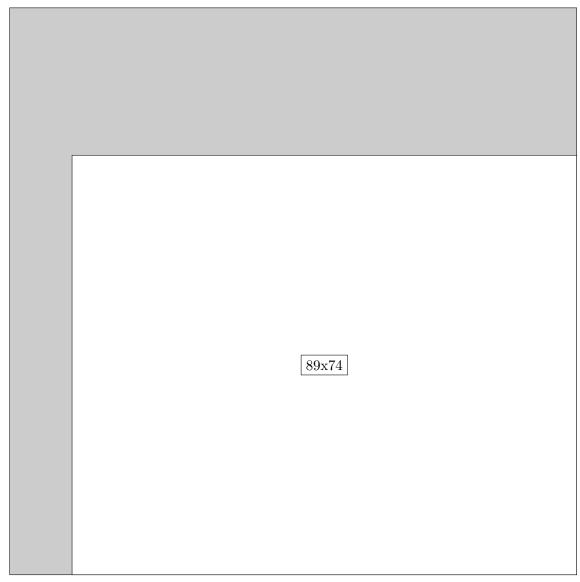
 $\le =51$, h =66 , x =49 , y =0 , v =3366



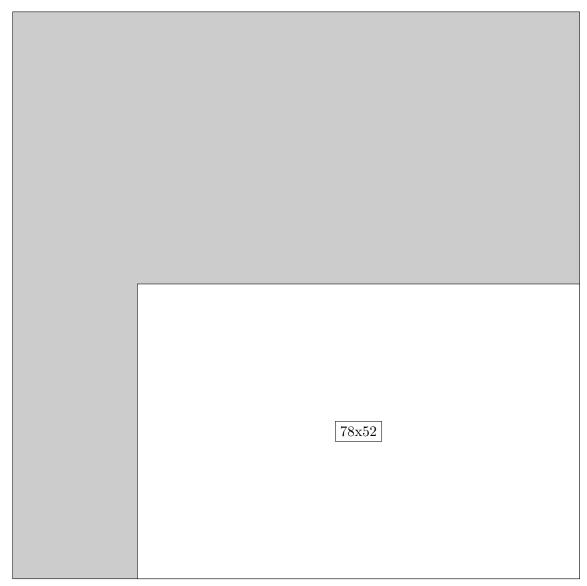
 $\le =94$, h =81 , x =6 , y =0 , v =7614



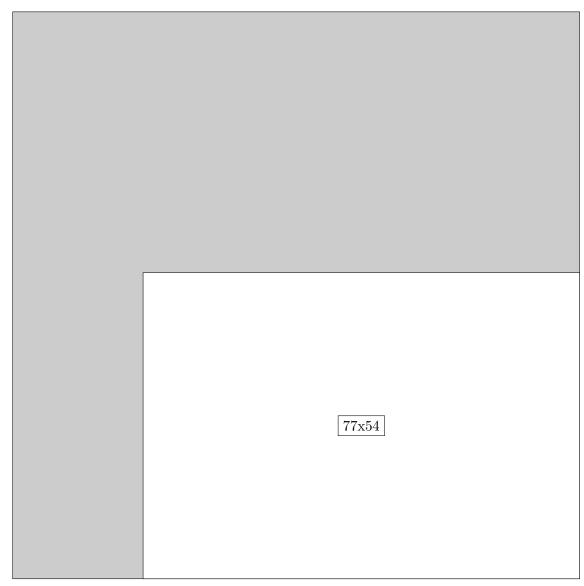
 $\le =77$, h =96 , x =23 , y =0 , v =7392



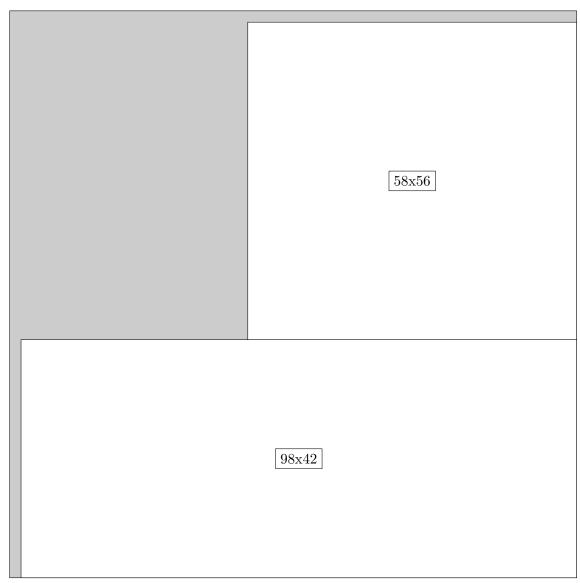
 $\le =89$, h =74 , x =11 , y =0 , v =6586



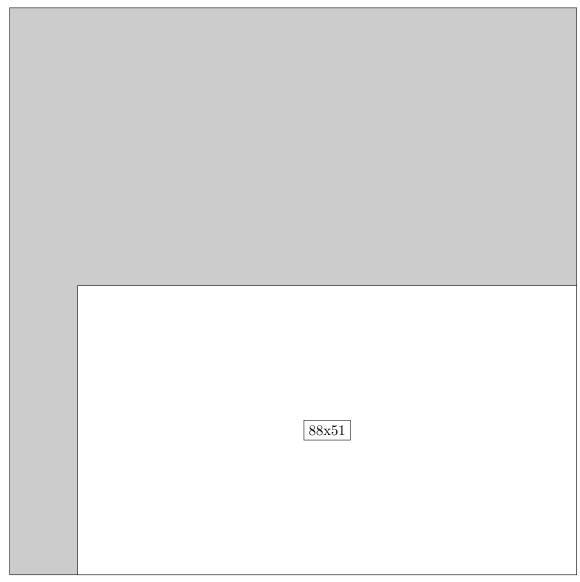
 ≤ -78 , h = 52 , x = 22 , y = 0 , v = 4056



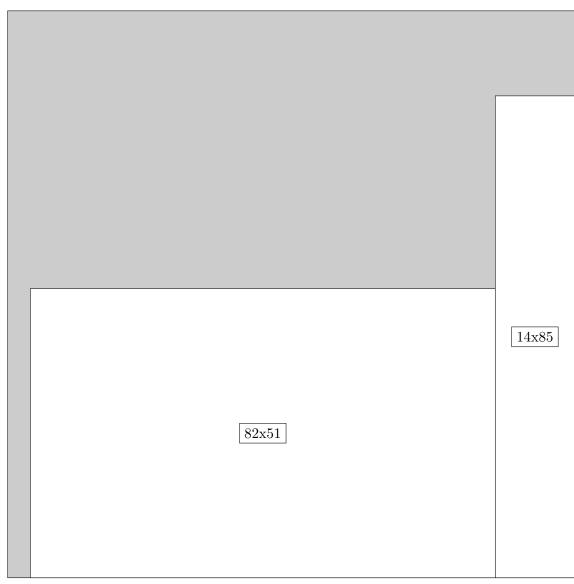
 $\le =77$, h =54 , x =23 , y =0 , v =4158



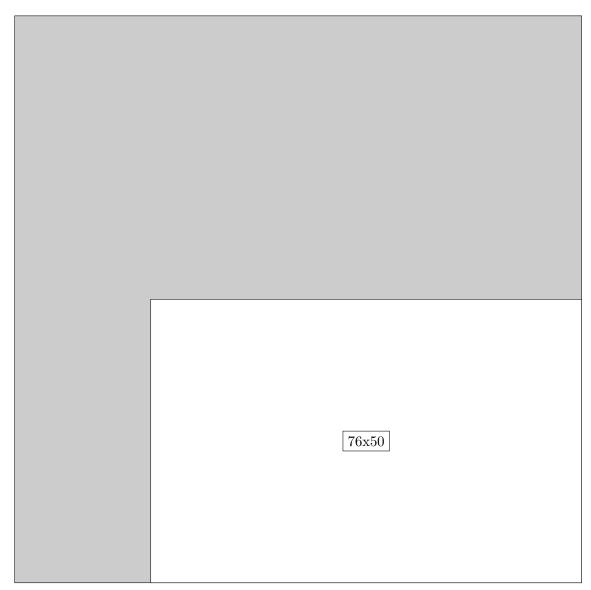
$$\begin{array}{l} w = 98 \; , \; h = \!\!\! 42 \; , \; x = \!\!\! 2 \; , \; y = \!\!\! 0 \; , \; v = \!\!\! 4116 \\ w = \!\!\! 58 \; , \; h = \!\!\! 56 \; , \; x = \!\!\!\! 42 \; , \; y = \!\!\! 42 \; , \; v = \!\!\! 3248 \end{array}$$



 $\le =88$, h =51 , x =12 , y =0 , v =4488



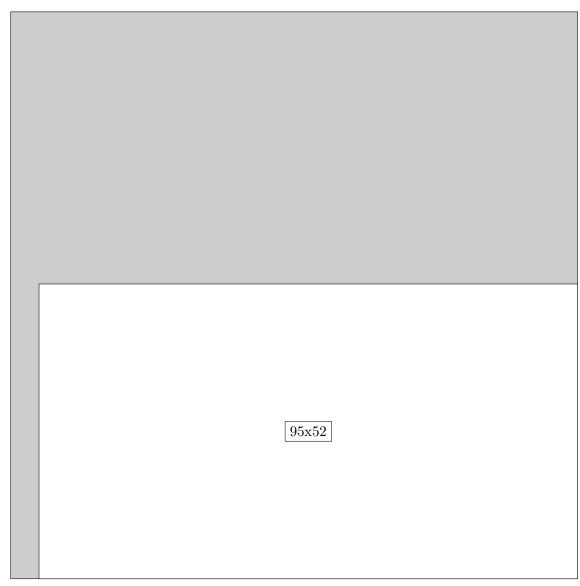
$$\begin{array}{l} w = \! 14 \ , \ h = \! 85 \ , \ x = \! 86 \ , \ y = \! 0 \ , \ v = \! 1190 \\ w = \! 82 \ , \ h = \! 51 \ , \ x = \! 4 \ , \ y = \! 0 \ , \ v = \! 4182 \end{array}$$



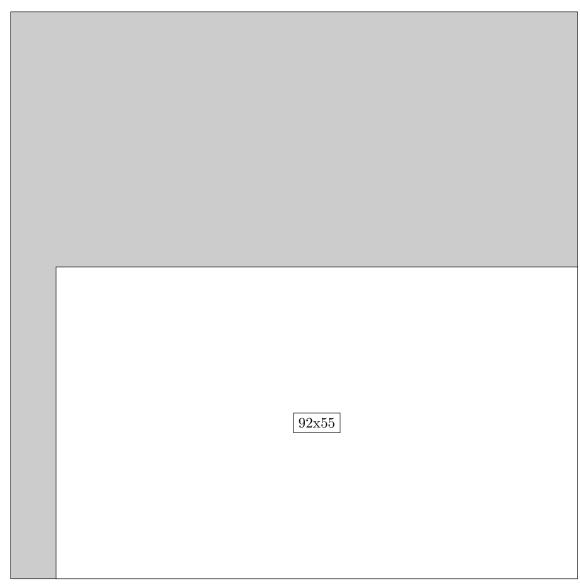
 $\le =76$, h =50 , x =24 , y =0 , v =3800



 $\le =95$, h =56 , x =5 , y =0 , v =5320



 $\le =95$, ==52 , ==5 , ==52 , ==52 , ==52 , ==52 , ==52 , ==52 , ==52 , ==52 , ==52 , ==52 , ==52 , ==52 , ==52 , ==52 , ==52



 $\le =92$, h =55 , x =8 , y =0 , v =5060



