$ClassName: \ Class_09.2bp-43$

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

TypeNum: <u>100</u> Num: <u>100</u> OutS: <u>780000</u> InS: <u>475108</u> Rate: <u>0.609</u> UB: <u>78</u> LB0: <u>78</u>

LBWithCut: $\underline{78}$ NodeCut: $\underline{0}$

LB: **78**

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

GenNodeCnt: $\underline{\mathbf{1}}$ PrimalNode: $\underline{\mathbf{0}}$ ColumnCount: $\underline{\mathbf{78}}$ TotalCutCount: $\underline{\mathbf{0}}$ RootCutCount: $\underline{\mathbf{0}}$ LPSolverCnt: $\underline{\mathbf{1}}$ PricingSolverCnt: $\underline{\mathbf{0}}$ BranchAndBoundNum: $\underline{\mathbf{1}}$

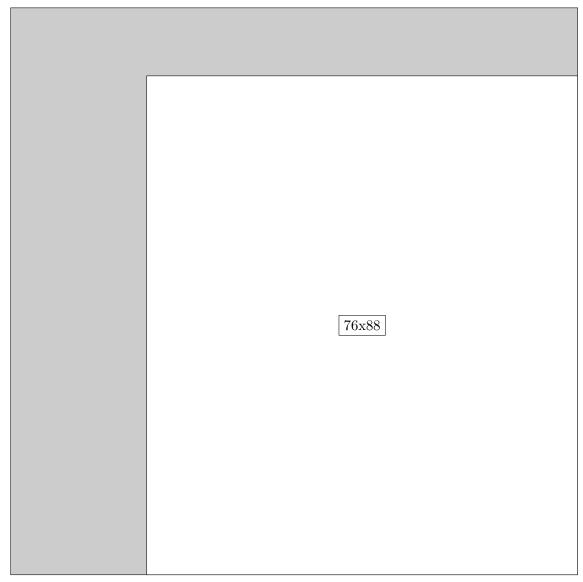
isOpt: <u>true</u>

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

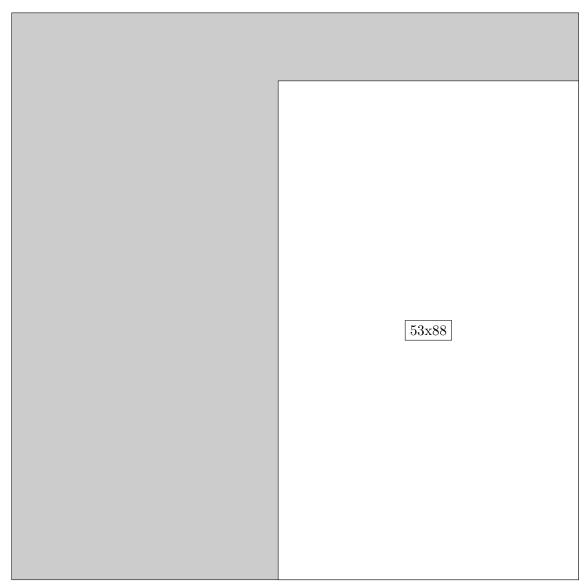
TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.078 sTotalTime: 600.344 s



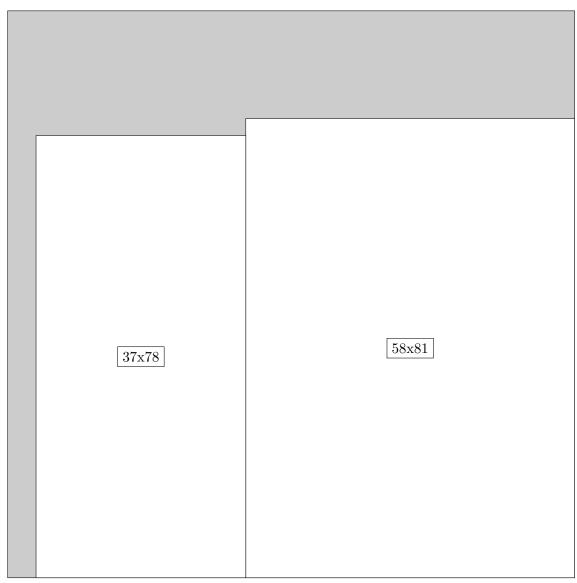
 $\le =100$, h =89 , x =0 , y =0 , v =8900



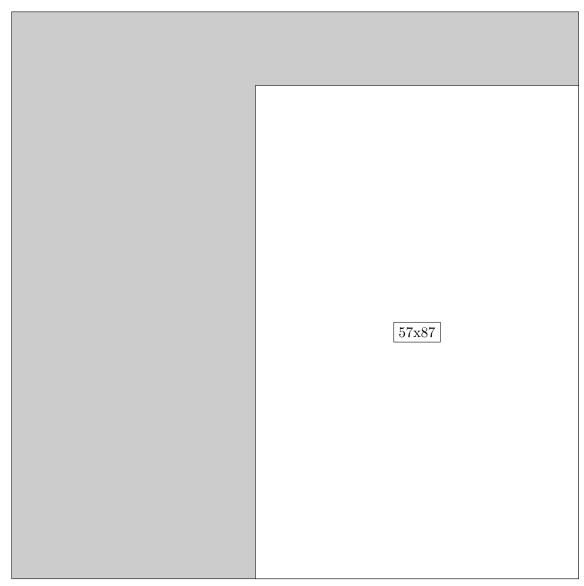
 $\le =76$, h =88 , x =24 , y =0 , v =6688



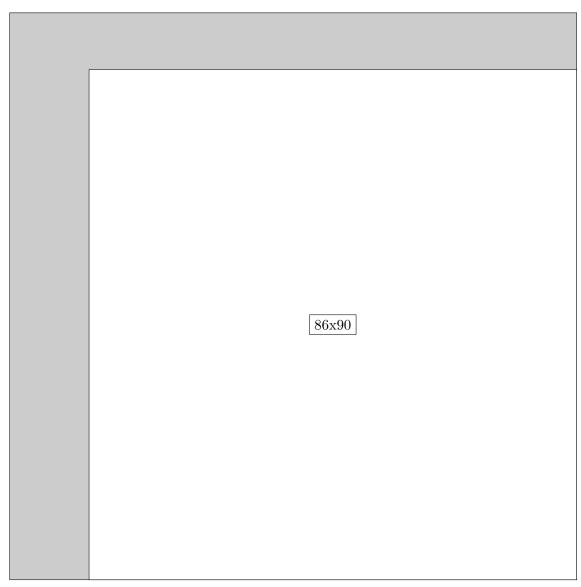
 $\le =53$, h =88 , x =47 , y =0 , v =4664



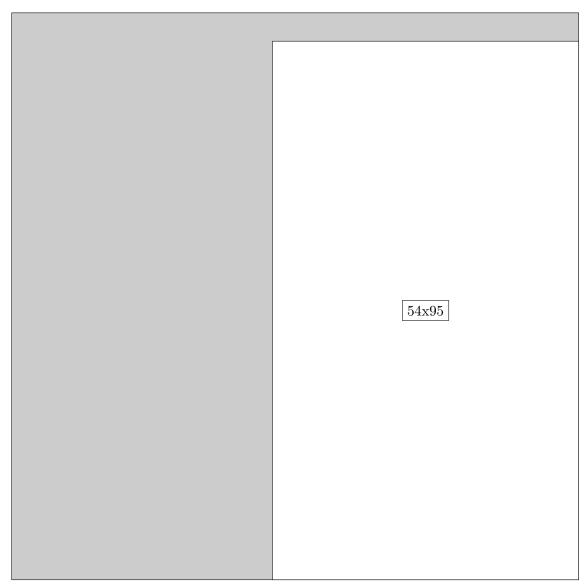
 $\begin{array}{l} w = \!\!58 \ , \ h = \!\!81 \ , \ x = \!\!42 \ , \ y = \!\!0 \ , \ v = \!\!4698 \\ w = \!\!37 \ , \ h = \!\!78 \ , \ x = \!\!5 \ , \ y = \!\!0 \ , \ v = \!\!2886 \end{array}$



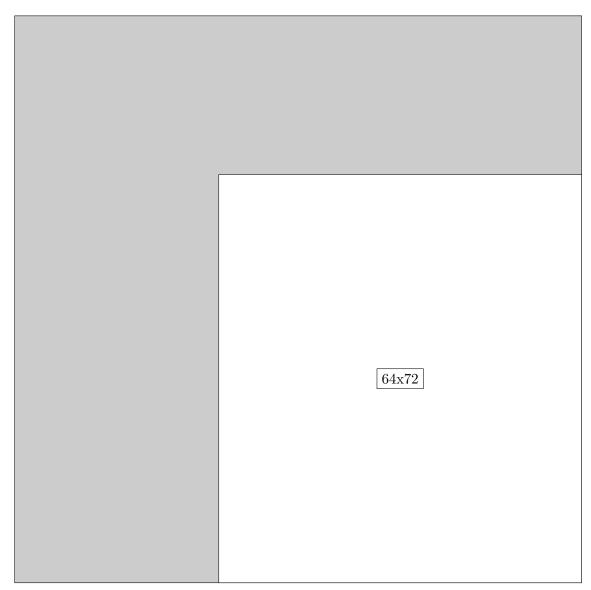
 $\le =57$, h =87 , x =43 , y =0 , v =4959



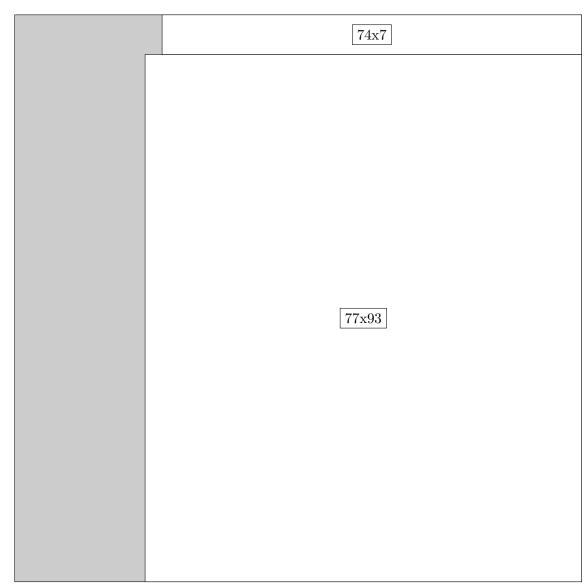
 $\le =86$, h =90 , x =14 , y =0 , v =7740

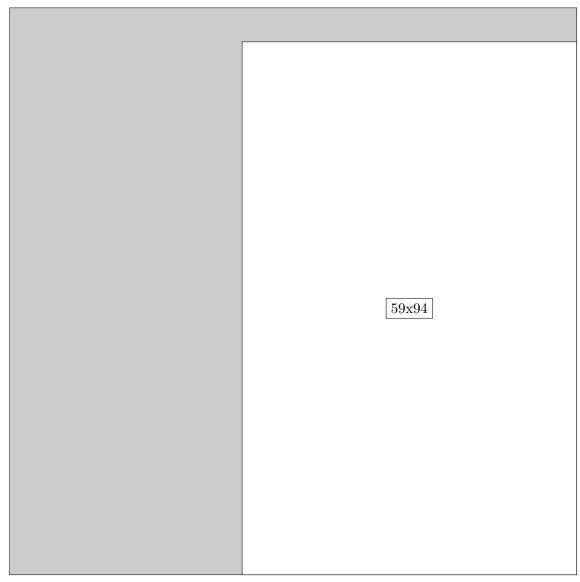


 $\le =54$, h=95 , x=46 , y=0 , v=5130

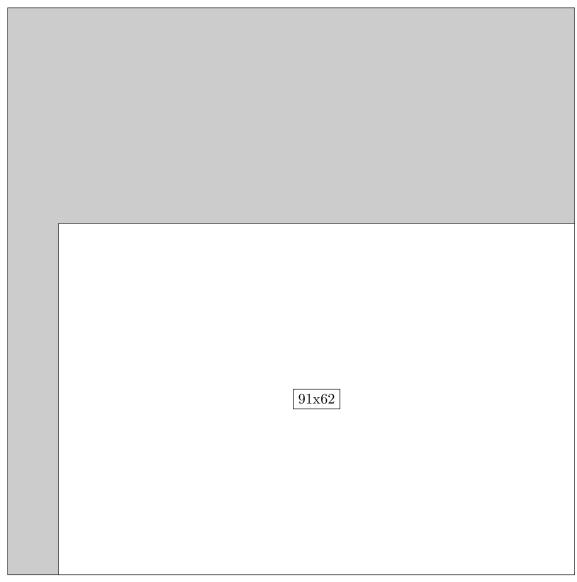


 $\le =64$, h=72 , x=36 , y=0 , v=4608

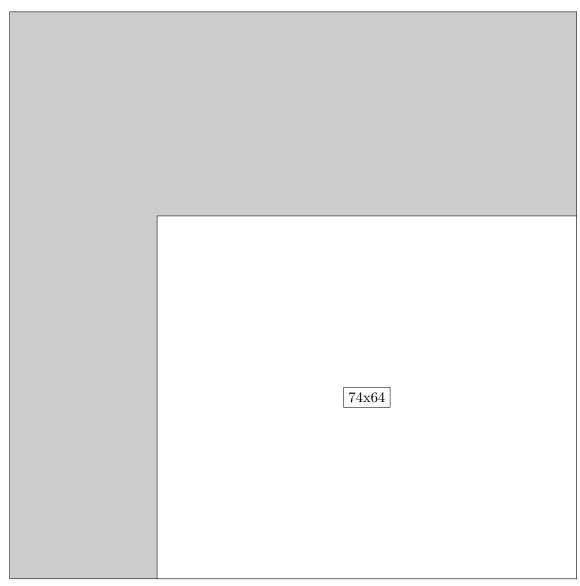




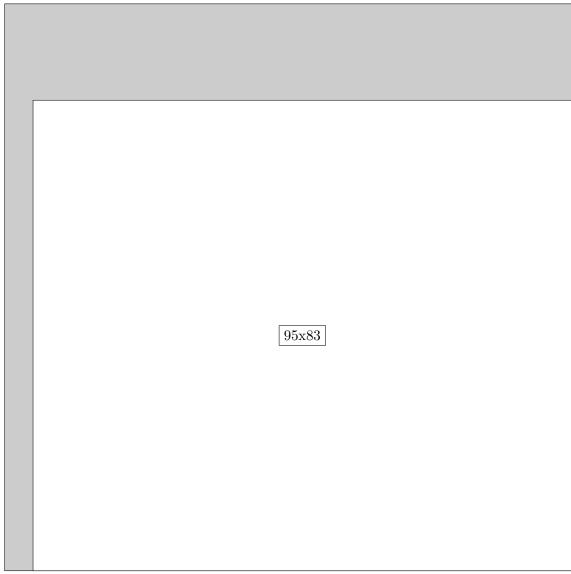
 $\le =59$, h =94 , x =41 , y =0 , v =5546



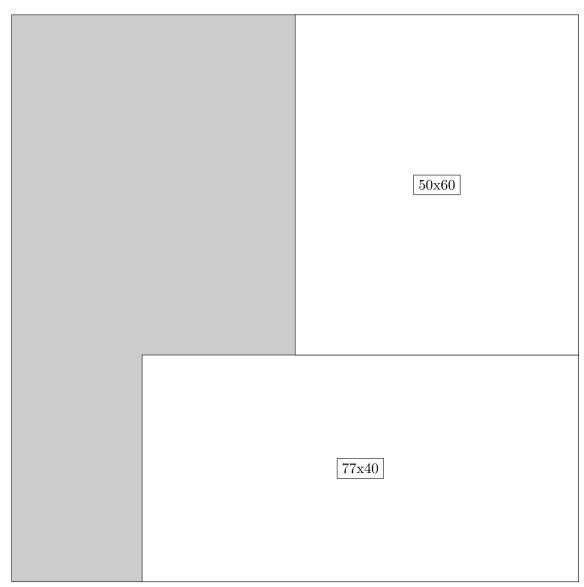
 $\le =91$, h =62 , x =9 , y =0 , v = 5642



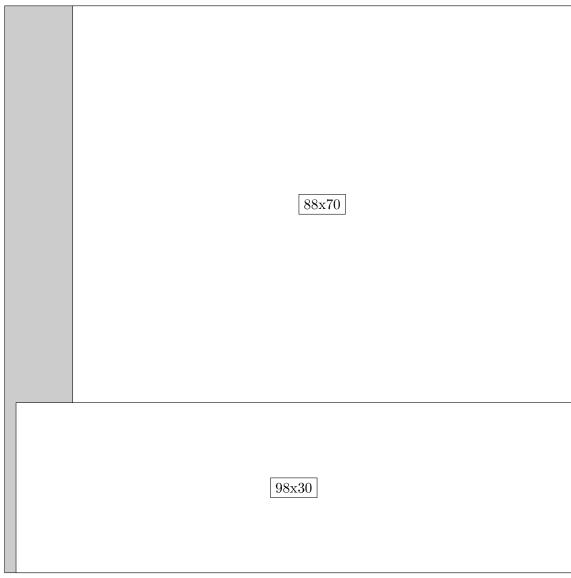
 $\le =74$, h =64 , x =26 , y =0 , v =4736



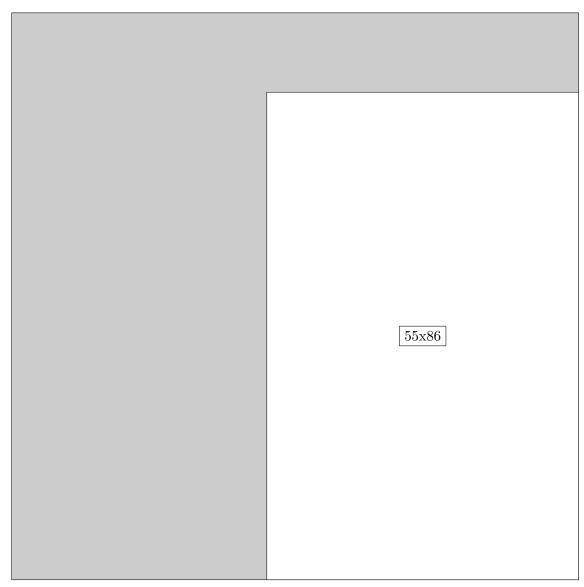
 $\le =95$, h =83 , x =5 , y =0 , v =7885



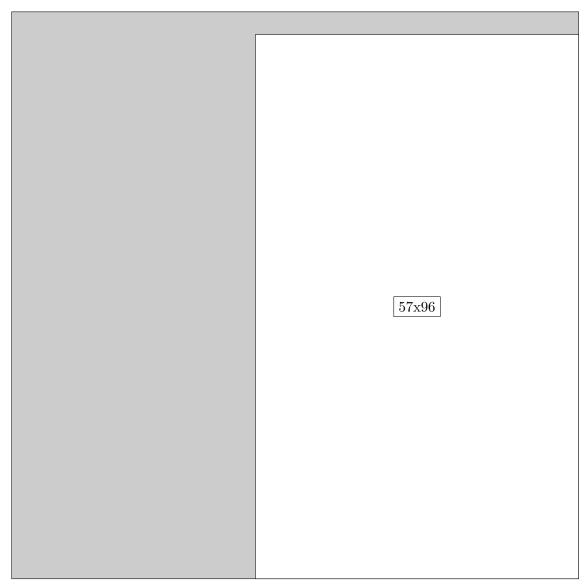
$$\begin{array}{l} w = \! 77 \ , \ h = \! 40 \ , \ x = \! 23 \ , \ y = \! 0 \ , \ v = \! 3080 \\ w = \! 50 \ , \ h = \! 60 \ , \ x = \! 50 \ , \ y = \! 40 \ , \ v = \! 3000 \end{array}$$



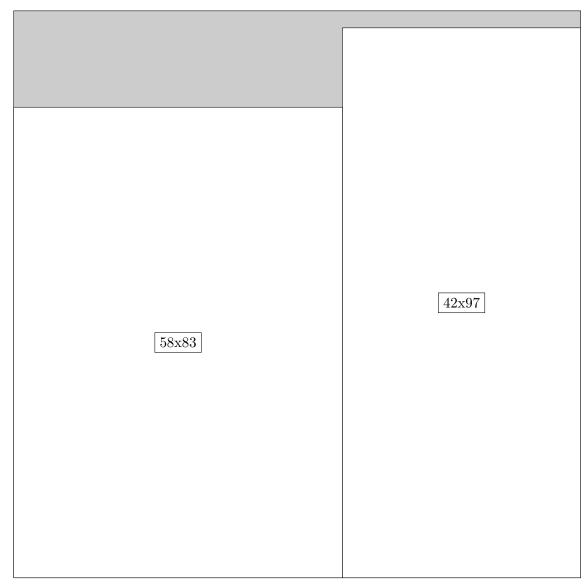
$$\begin{array}{l} w = \! 98 \ , \, h = \! 30 \ , \, x = \! 2 \ , \, y = \! 0 \ , \, v = \! 2940 \\ w = \! 88 \ , \, h = \! 70 \ , \, x = \! 12 \ , \, y = \! 30 \ , \, v = \! 6160 \end{array}$$



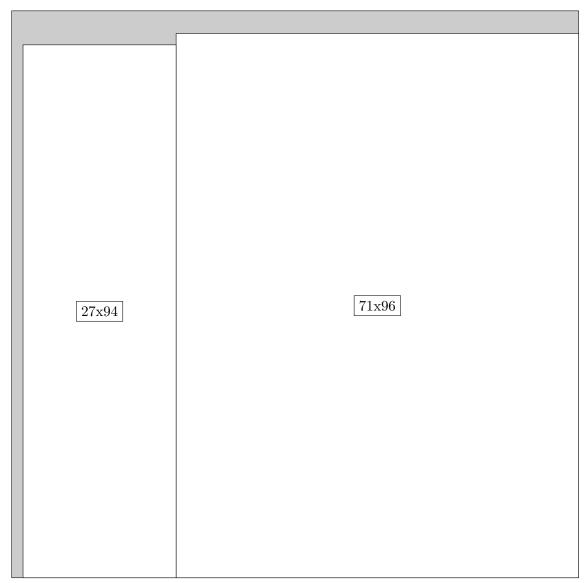
 $\le =55$, h = 86 , x = 45 , y = 0 , v = 4730



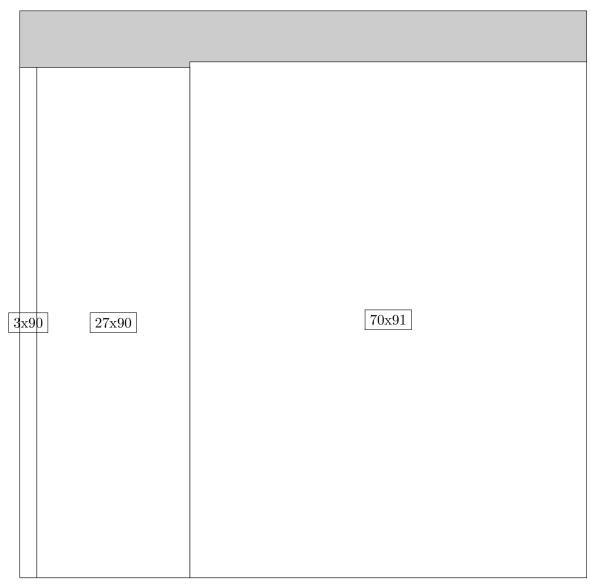
 $\le =57$, h =96 , x =43 , y =0 , v = 5472



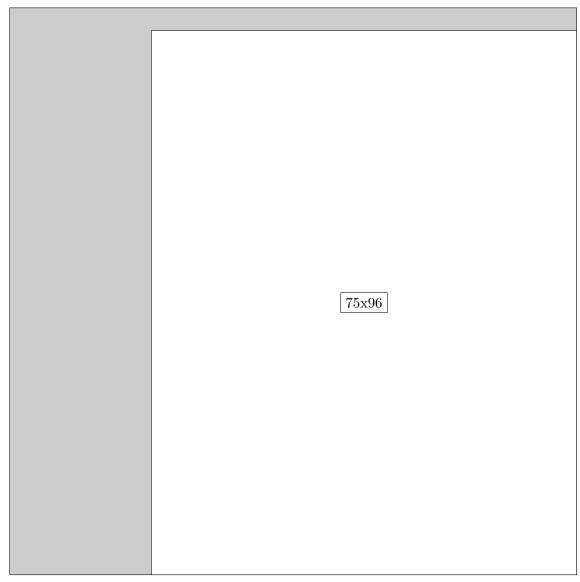
$$\begin{array}{l} w = \!\! 42 \ , \ h = \!\! 97 \ , \ x = \!\! 58 \ , \ y = \!\! 0 \ , \ v = \!\! 4074 \\ w = \!\! 58 \ , \ h = \!\! 83 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 4814 \end{array}$$



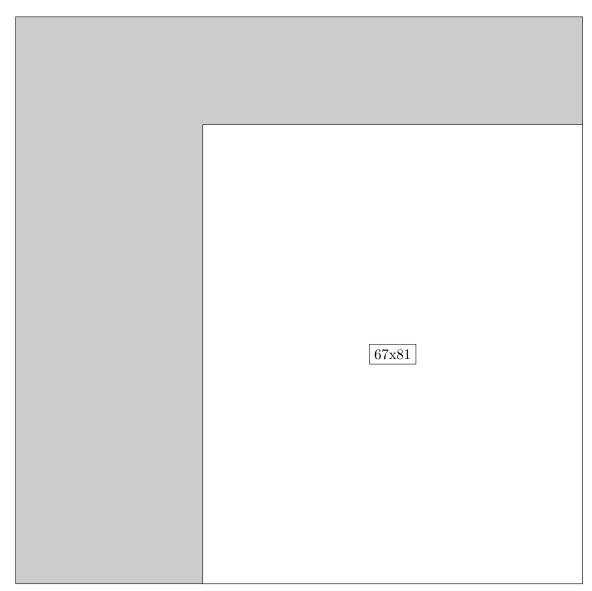
$$\begin{array}{l} w = \! 71 \ , \ h = \! 96 \ , \ x = \! 29 \ , \ y = \! 0 \ , \ v = \! 6816 \\ w = \! 27 \ , \ h = \! 94 \ , \ x = \! 2 \ , \ y = \! 0 \ , \ v = \! 2538 \end{array}$$



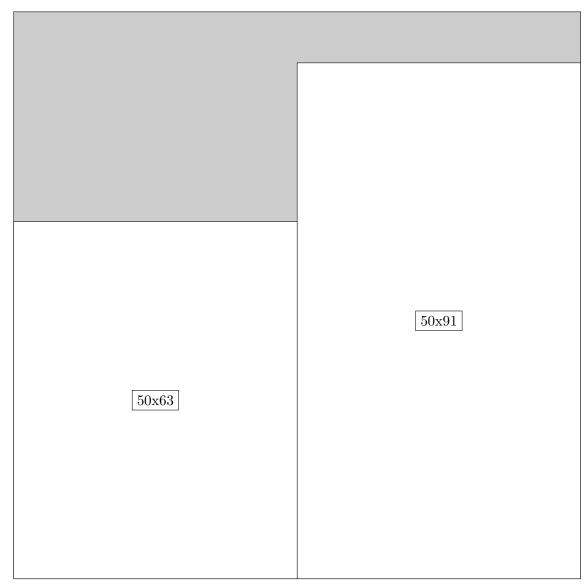
 $\begin{array}{l} w = \! 70 \ , \ h = \! 91 \ , \ x = \! 30 \ , \ y = \! 0 \ , \ v = \! 6370 \\ w = \! 27 \ , \ h = \! 90 \ , \ x = \! 3 \ , \ y = \! 0 \ , \ v = \! 2430 \\ w = \! 3 \ , \ h = \! 90 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 270 \end{array}$



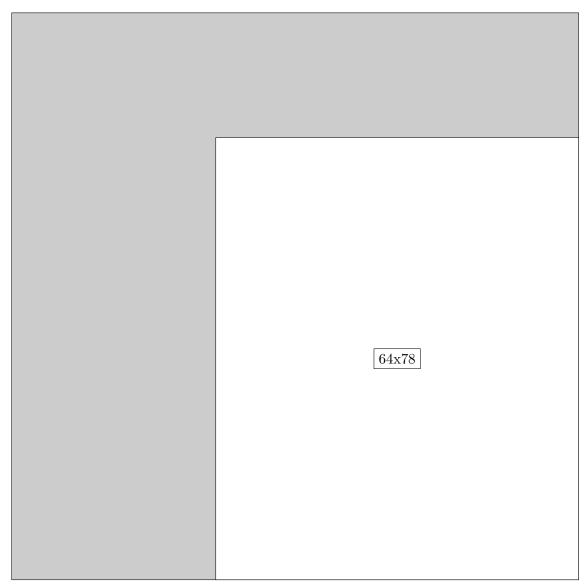
 $\le =75$, h =96 , x =25 , y =0 , v =7200



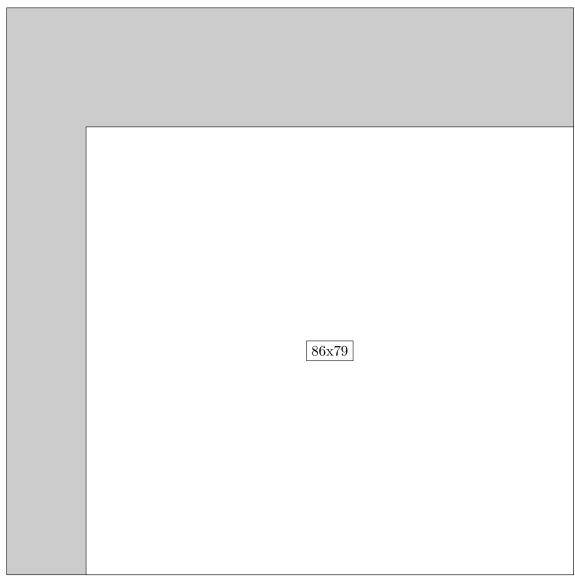
 $\le =67$, h =81 , x =33 , y =0 , v = 5427



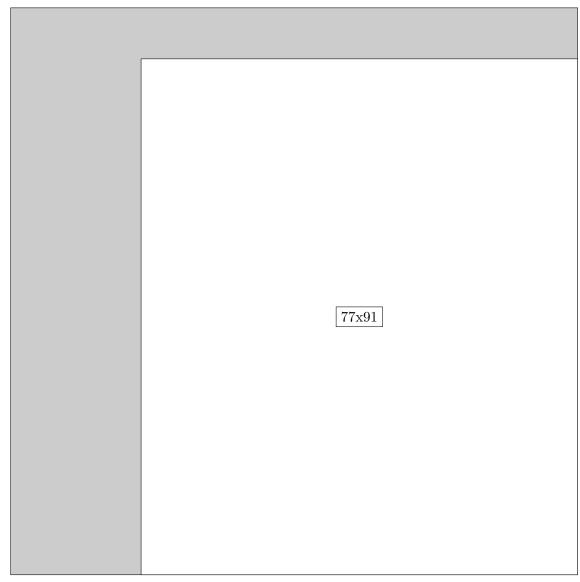
$$\begin{array}{l} w = \! 50 \ , \ h = \! 91 \ , \ x = \! 50 \ , \ y = \! 0 \ , \ v = \! 4550 \\ w = \! 50 \ , \ h = \! 63 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 3150 \end{array}$$



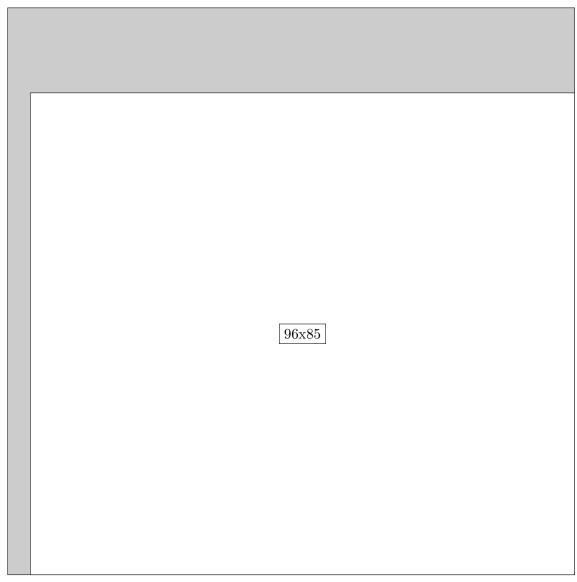
 $\le =64$, h =78 , x =36 , y =0 , v =4992



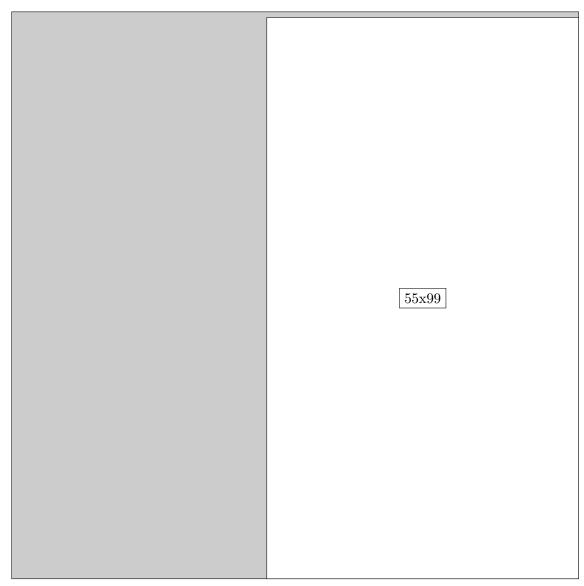
 $\le =86$, h =79 , x =14 , y =0 , v =6794



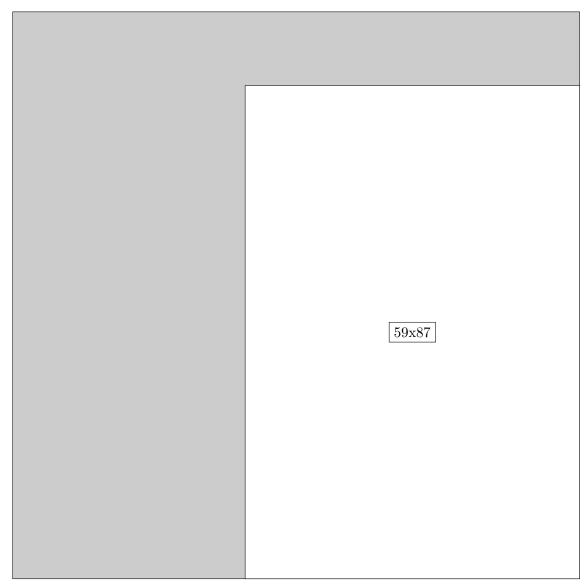
 $\le =77$, h =91 , x =23 , y =0 , v =7007



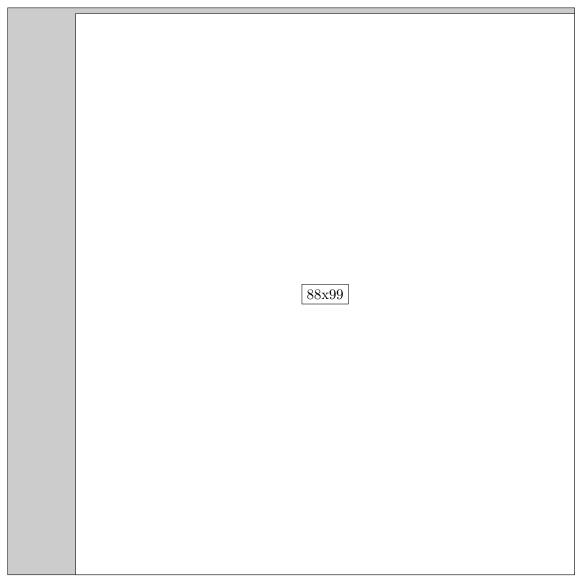
 $\le =96$, h =85 , x =4 , y =0 , v =8160



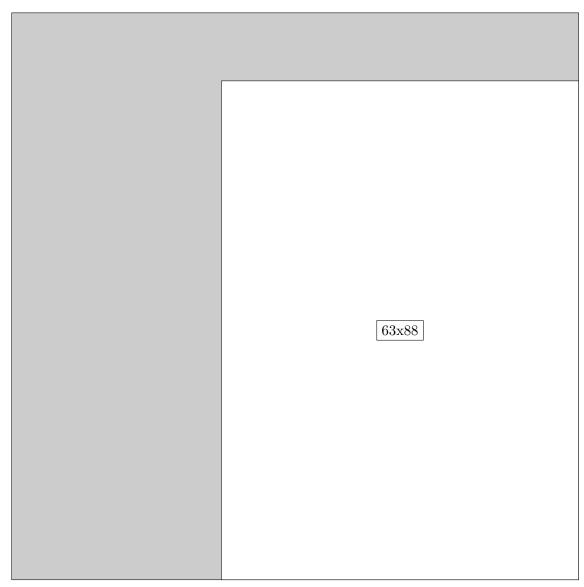
 $\le =55$, h =99 , x =45 , y =0 , v =5445



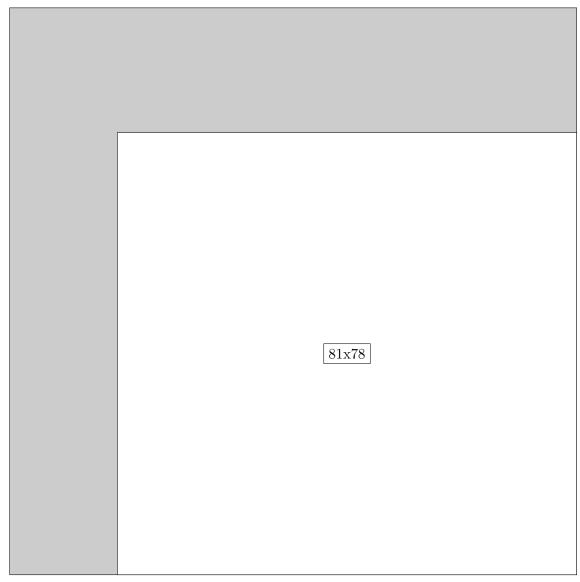
 $\le =59$, h =87 , x =41 , y =0 , v =5133



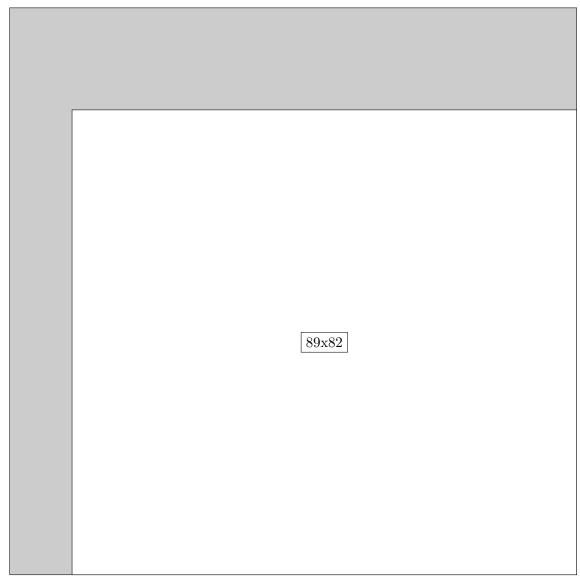
 $\le =88$, h =99 , x =12 , y =0 , v =8712



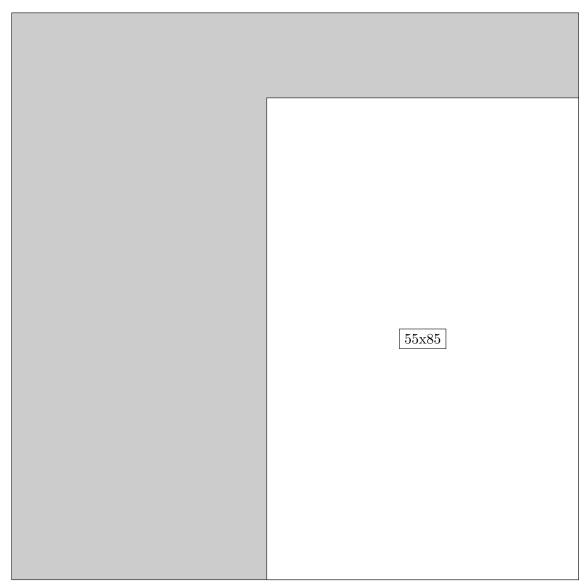
 $\le =63$, h =88 , x =37 , y =0 , v =5544



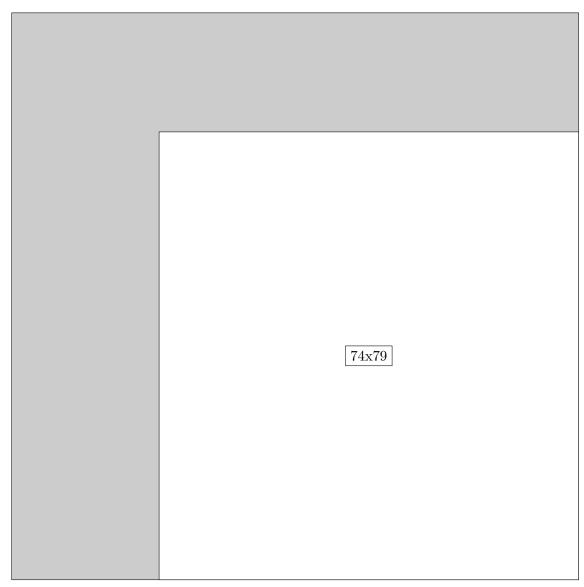
 $\le =81$, h=78 , x=19 , y=0 , v=6318



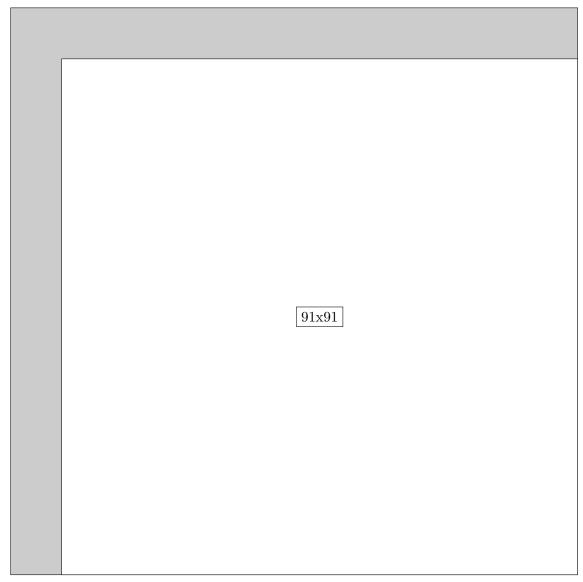
 $\le =89$, h =82 , x =11 , y =0 , v =7298



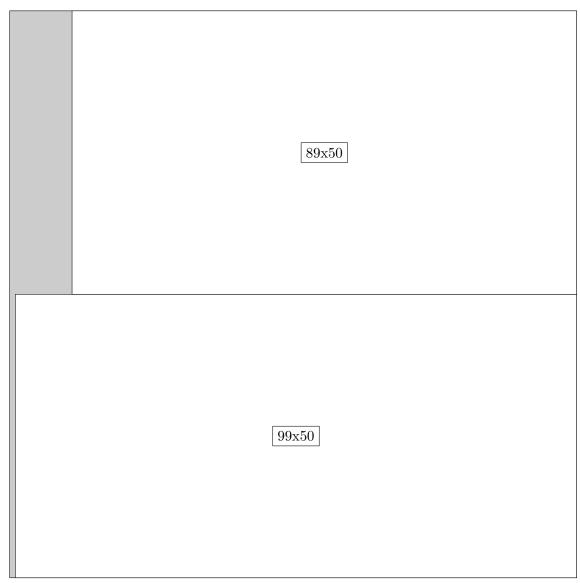
 $\le =55$, h = 85 , x = 45 , y = 0 , v = 4675



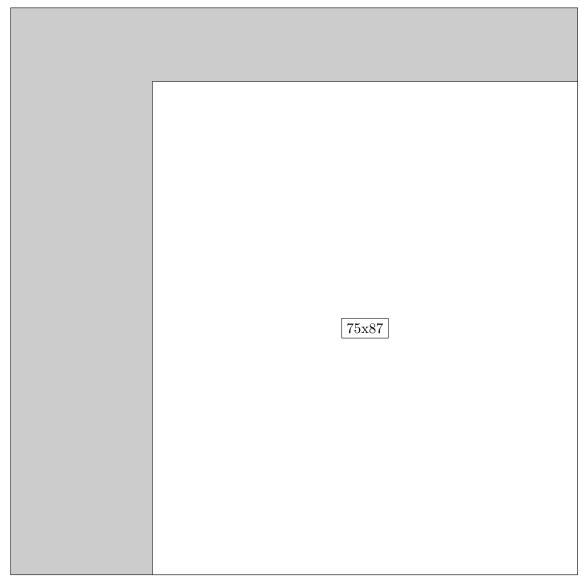
 $\le =74$, h =79 , x =26 , y =0 , v =5846



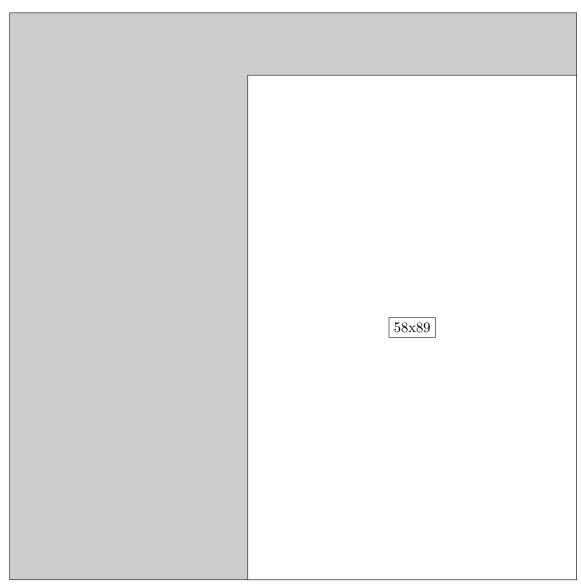
 $\le =91$, h =91 , x =9 , y =0 , v =8281



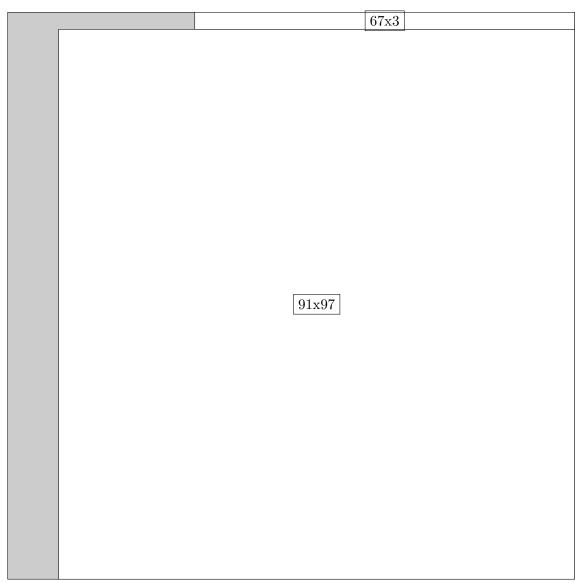
$$\begin{array}{l} w = 99 \ , \ h = \!\! 50 \ , \ x = \!\! 1 \ , \ y = \!\! 0 \ , \ v = \!\! 4950 \\ w = \!\! 89 \ , \ h = \!\! 50 \ , \ x = \!\! 11 \ , \ y = \!\! 50 \ , \ v = \!\! 4450 \end{array}$$



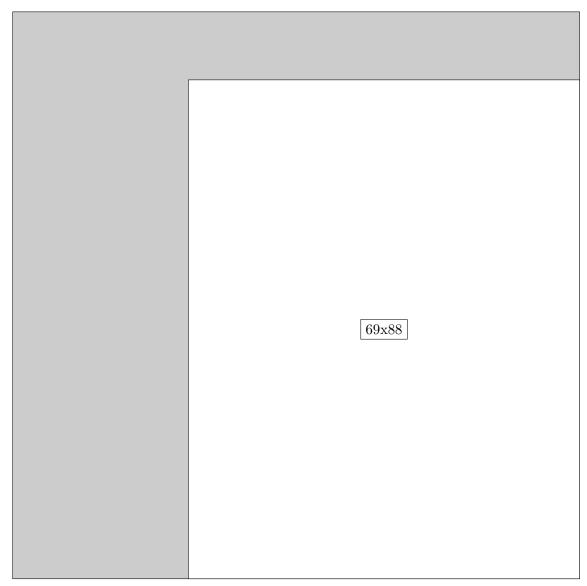
 $\le =75$, h =87 , x =25 , y =0 , v =6525



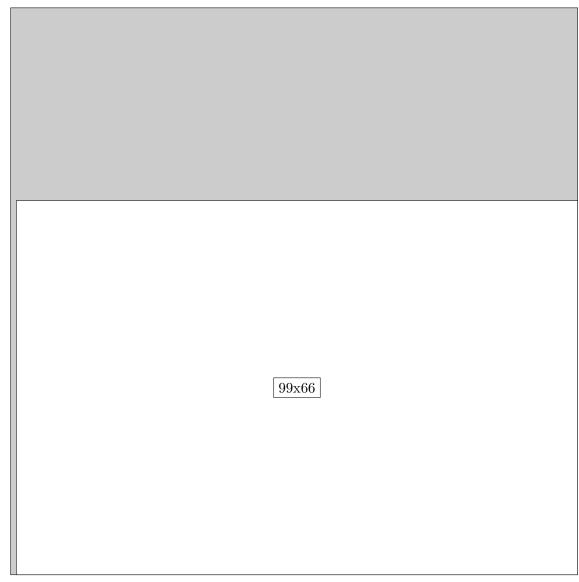
 ≤ -58 , h = 89 , x = 42 , y = 0 , v = 5162



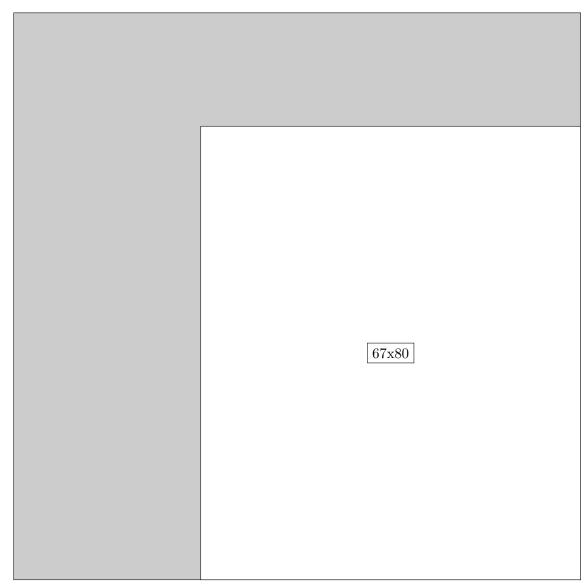
 $\begin{array}{l} w = \! 91 \ , \ h = \! 97 \ , \ x = \! 9 \ , \ y = \! 0 \ , \ v = \! 8827 \\ w = \! 67 \ , \ h = \! 3 \ , \ x = \! 33 \ , \ y = \! 97 \ , \ v = \! 201 \end{array}$



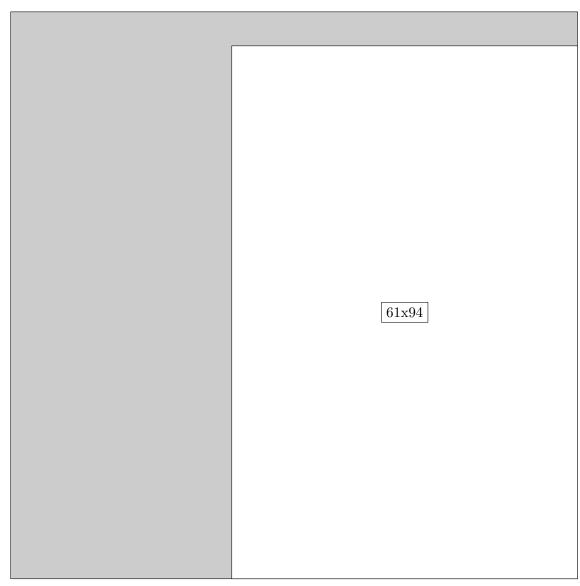
 $\le =69$, h =88 , x =31 , y =0 , v =6072



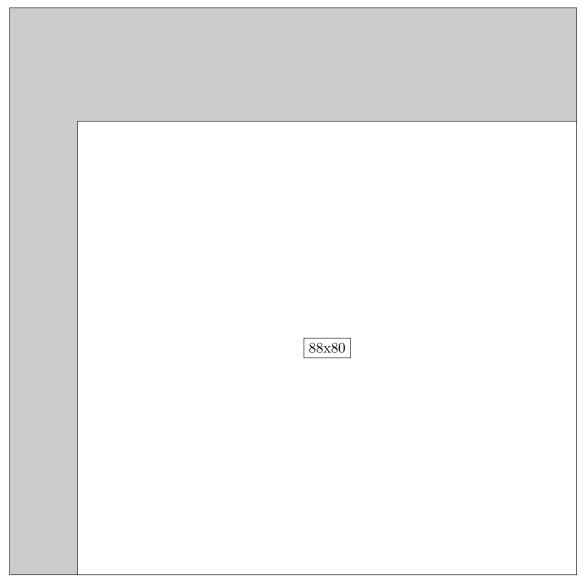
 $\le =99$, h =66 , x =1 , y =0 , v =6534



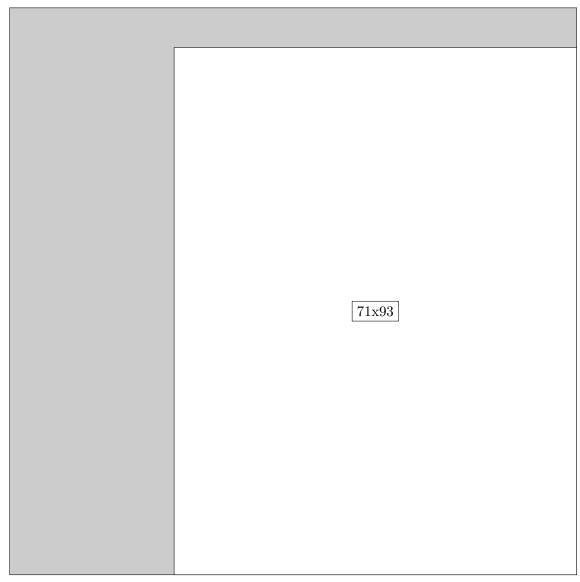
 $\le =67$, h =80 , x =33 , y =0 , v =5360



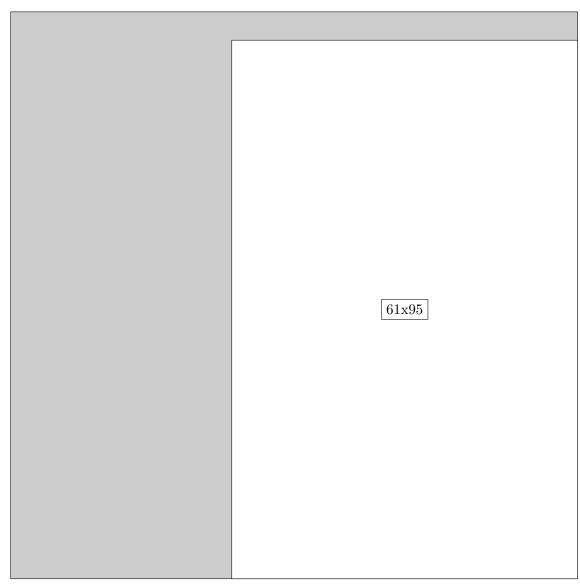
 $\le =61$, h =94 , x =39 , y =0 , v =5734



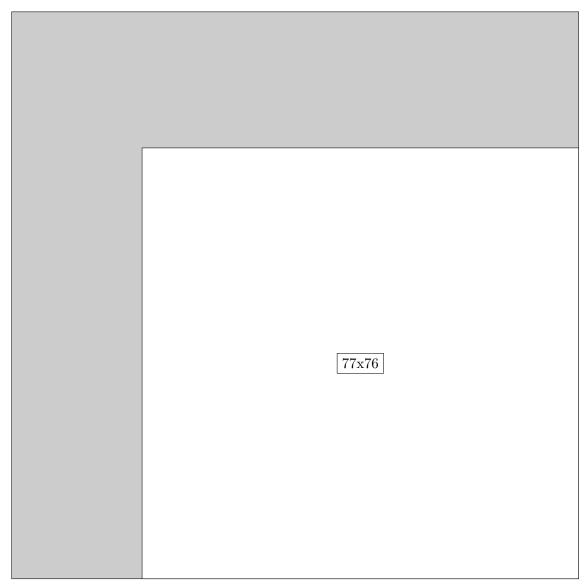
 $\le =88$, h =80 , x =12 , y =0 , v =7040



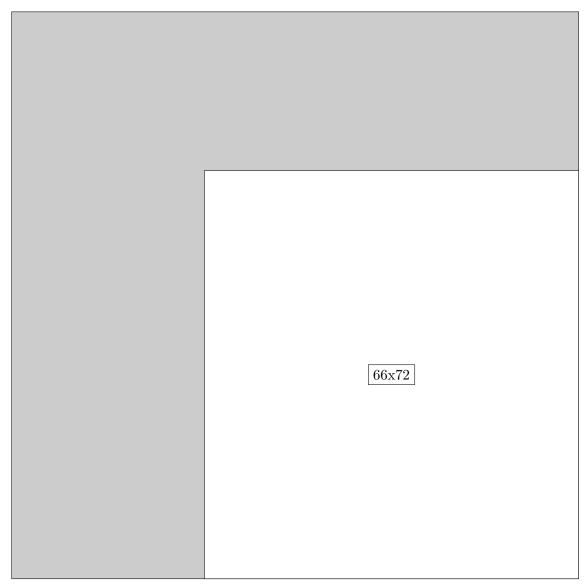
 $\le =71$, h =93 , x =29 , y =0 , v =6603



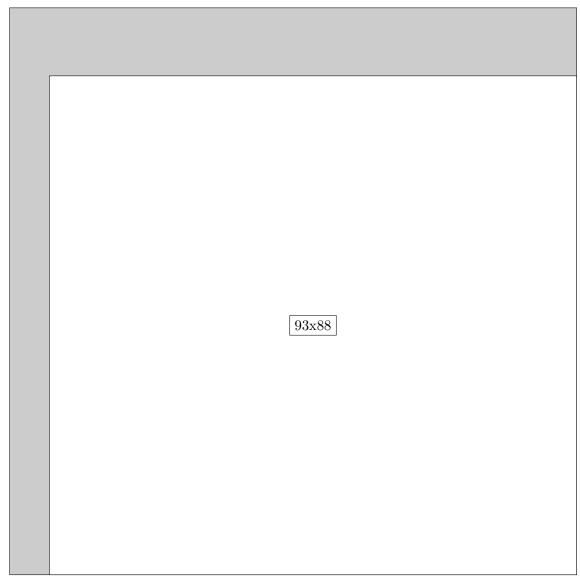
 $\le =61$, h =95 , x =39 , y =0 , v =5795



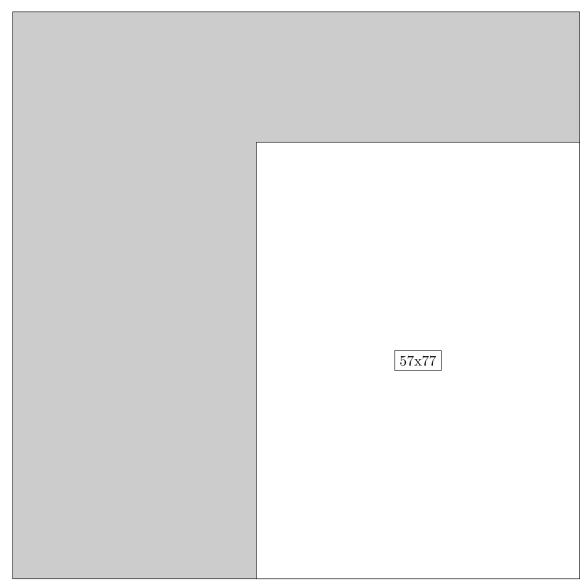
 $\le =77$, h =76 , x =23 , y =0 , v =5852



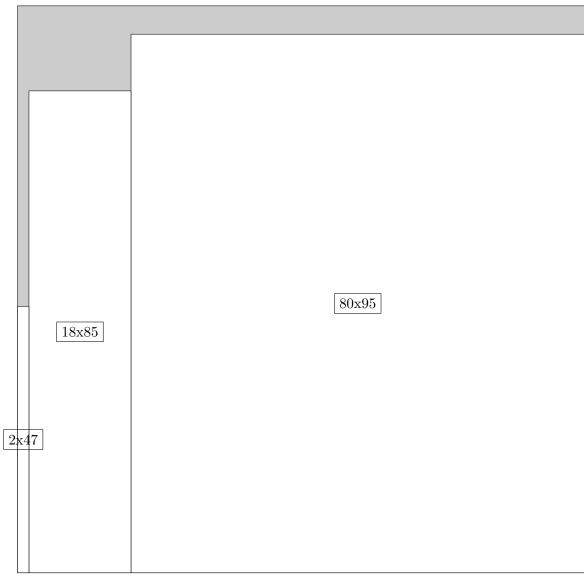
 $\le =66$, h =72 , x =34 , y =0 , v =4752



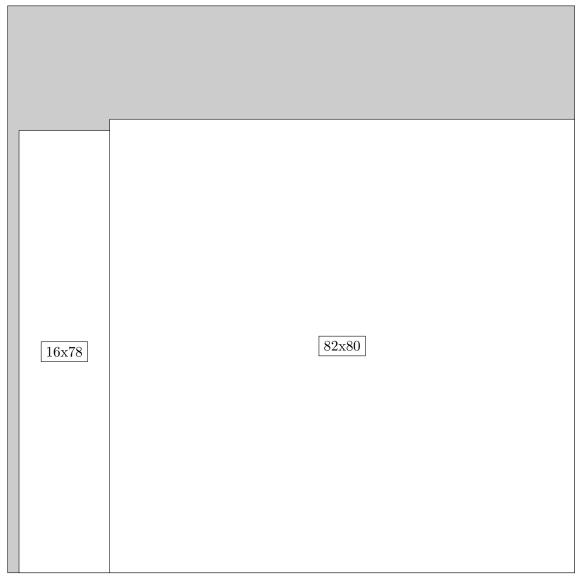
 $\le =93$, $\le =88$, $\ge =7$, $\ge =0$, $\ge =8184$



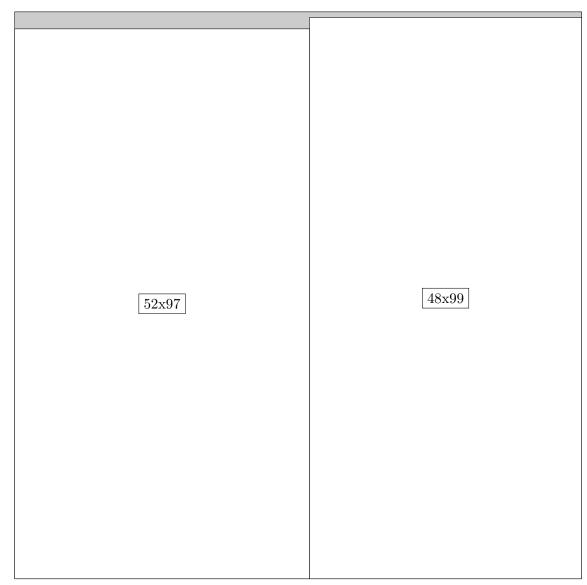
 ≤ 57 , h = 77 , x = 43 , y = 0 , v = 4389



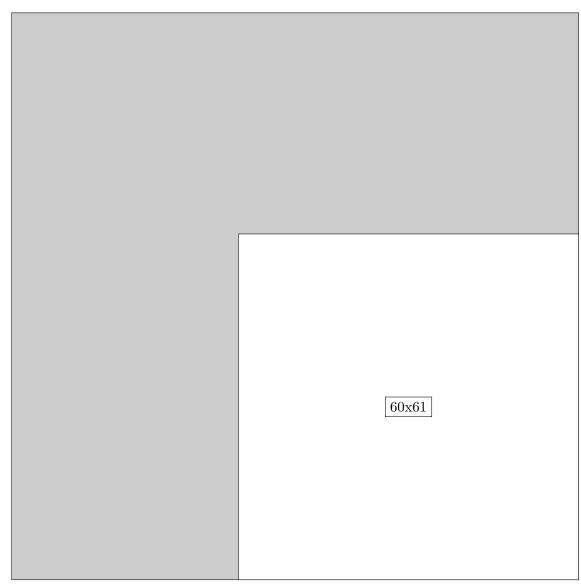
 $\begin{array}{l} w = \! 80 \ , \ h = \! 95 \ , \ x = \! 20 \ , \ y = \! 0 \ , \ v = \! 7600 \\ w = \! 18 \ , \ h = \! 85 \ , \ x = \! 2 \ , \ y = \! 0 \ , \ v = \! 1530 \\ w = \! 2 \ , \ h = \! 47 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 94 \end{array}$



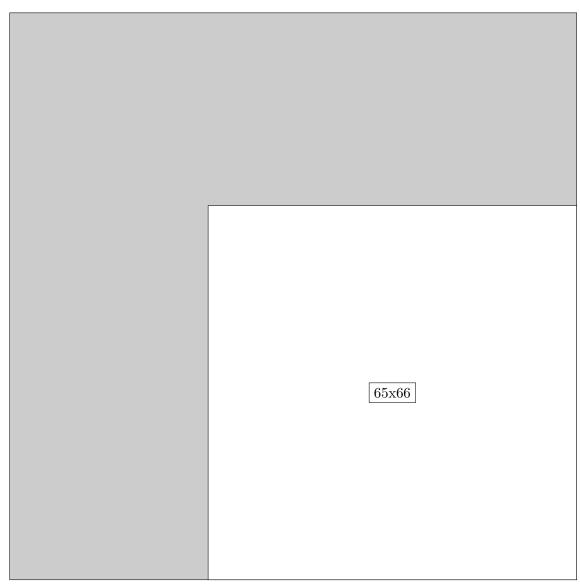
$$w$$
 =82 , h =80 , x =18 , y =0 , v =6560 w =16 , h =78 , x =2 , y =0 , v =1248



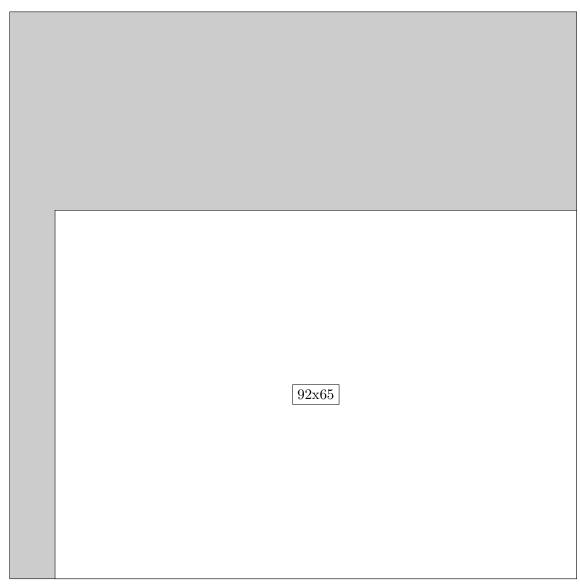
 $\begin{array}{l} w = \!\! 48 \ , \ h = \!\! 99 \ , \ x = \!\! 52 \ , \ y = \!\! 0 \ , \ v = \!\! 4752 \\ w = \!\! 52 \ , \ h = \!\! 97 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 5044 \end{array}$



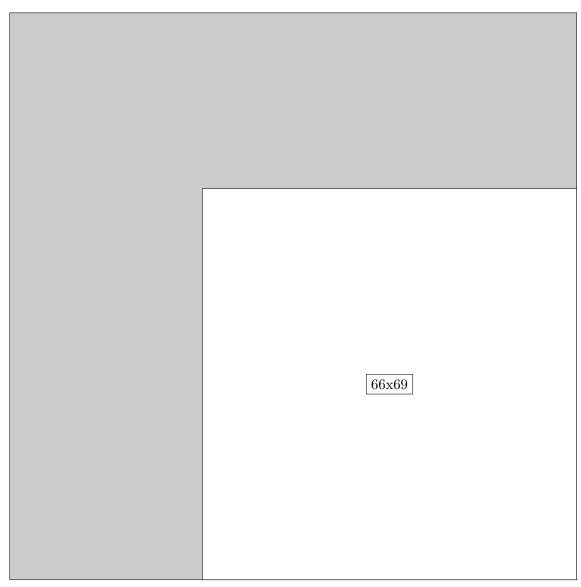
 $\le =60$, h =61 , x =40 , y =0 , v =3660



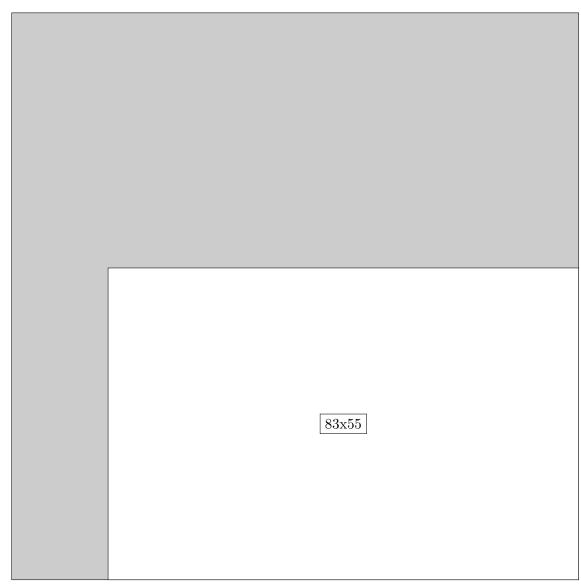
 $\le =65$, h=66 , x=35 , y=0 , v=4290



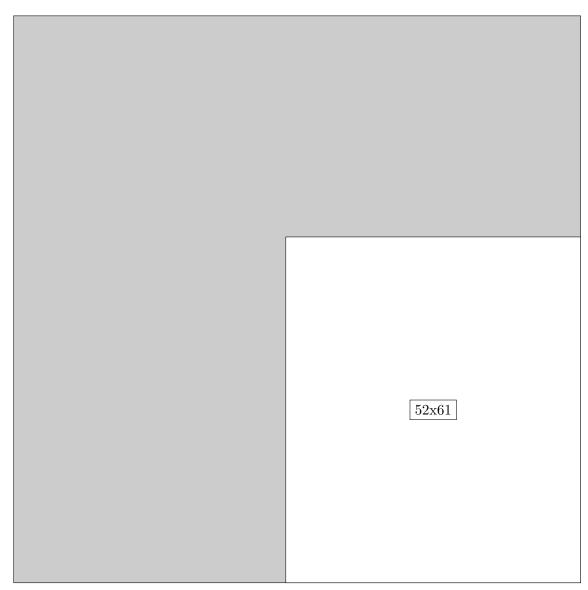
 $\le =92$, h =65 , x =8 , y =0 , v =5980



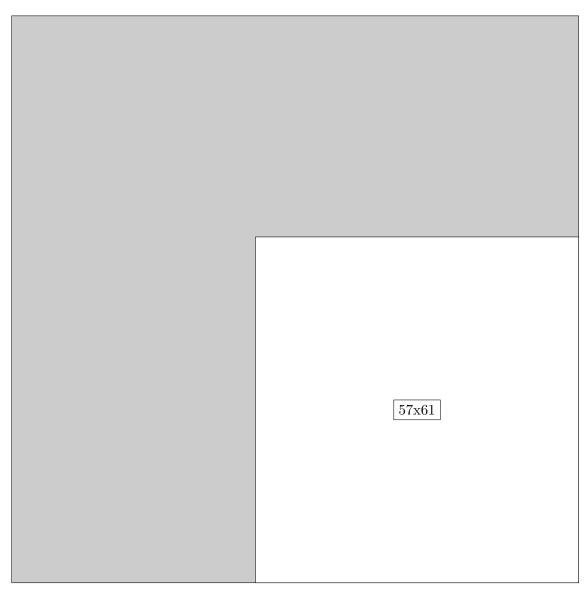
 $\le =66$, h=69 , x=34 , y=0 , v=4554



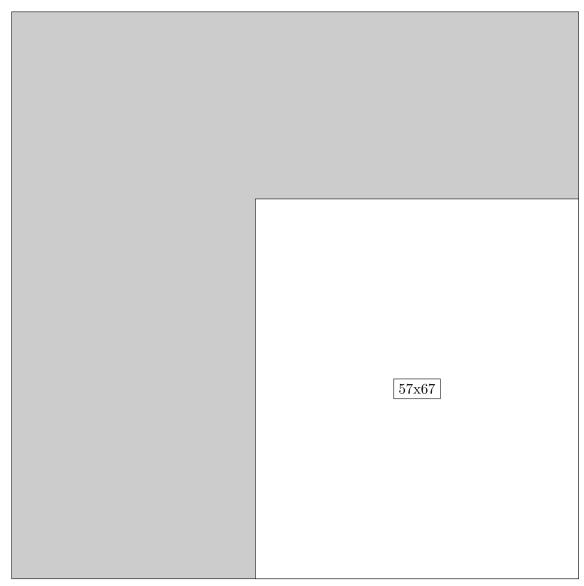
 $\le =83$, h =55 , x =17 , y =0 , v =4565



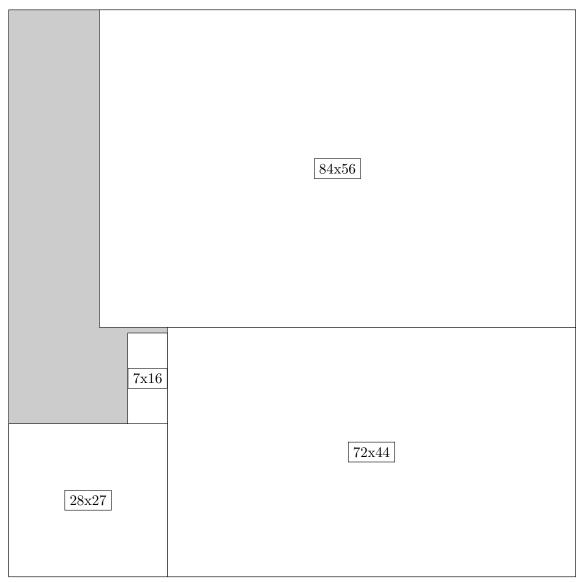
 ≤ 52 , h =61 , x =48 , y =0 , v =3172



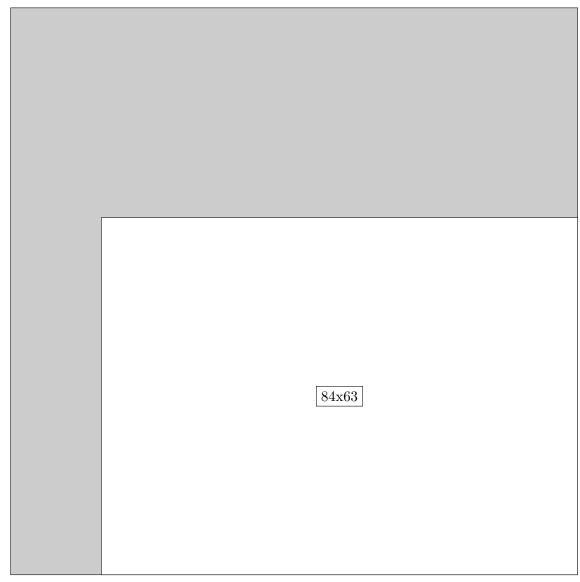
 $\le =57$, h =61 , x =43 , y =0 , v =3477



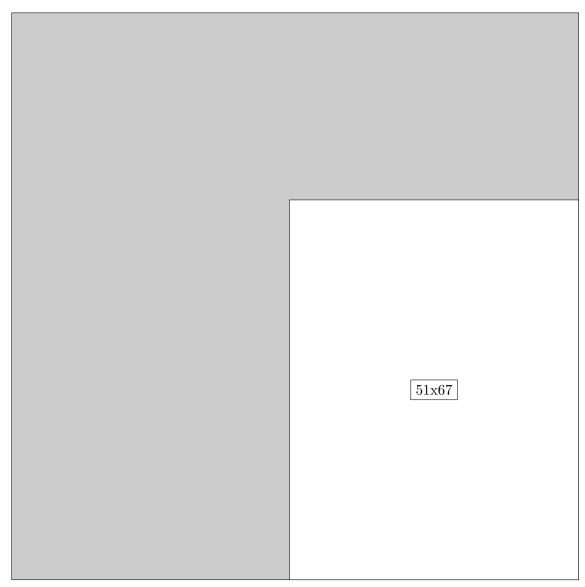
 $\le =57$, h =67 , x =43 , y =0 , v =3819



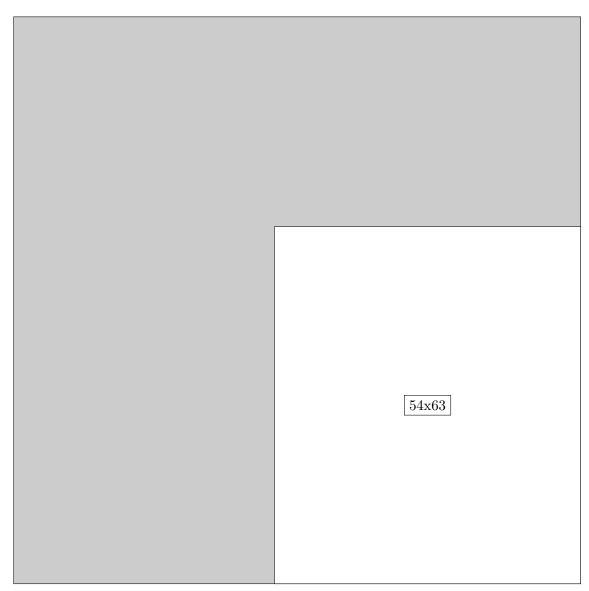
$$\begin{array}{l} w = 72 \ , \ h = 44 \ , \ x = 28 \ , \ y = 0 \ , \ v = 3168 \\ w = 28 \ , \ h = 27 \ , \ x = 0 \ , \ y = 0 \ , \ v = 756 \\ w = 7 \ , \ h = 16 \ , \ x = 21 \ , \ y = 27 \ , \ v = 112 \\ w = 84 \ , \ h = 56 \ , \ x = 16 \ , \ y = 44 \ , \ v = 4704 \end{array}$$



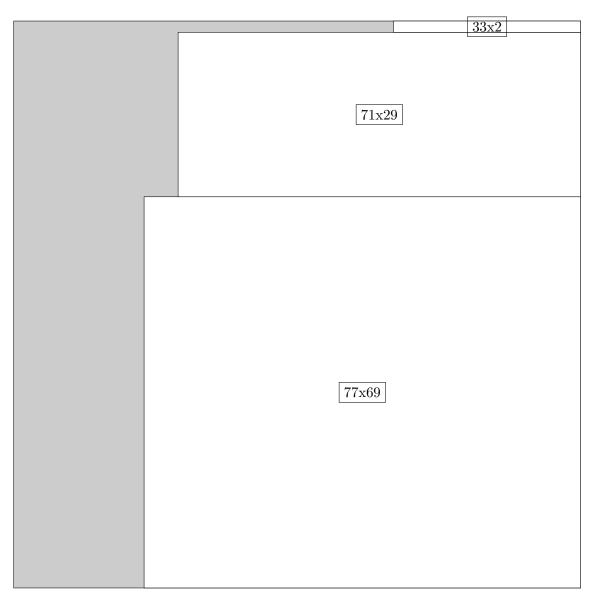
 $\le =84$, h =63 , x =16 , y =0 , v =5292



 $\le =51$, h =67 , x =49 , y =0 , v =3417



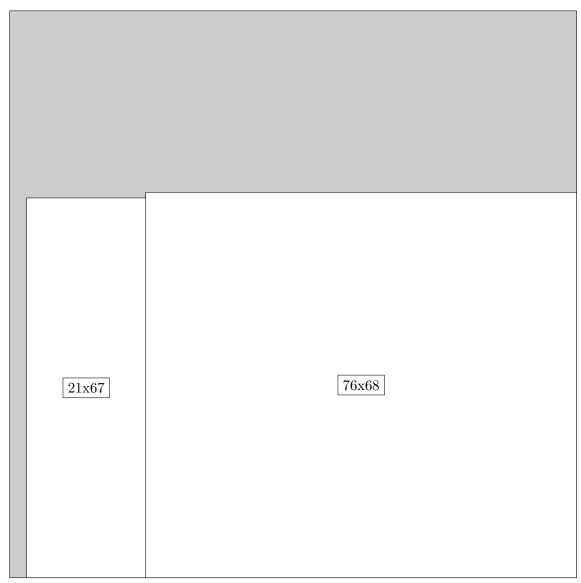
 $\le =54$, h=63 , x=46 , y=0 , v=3402

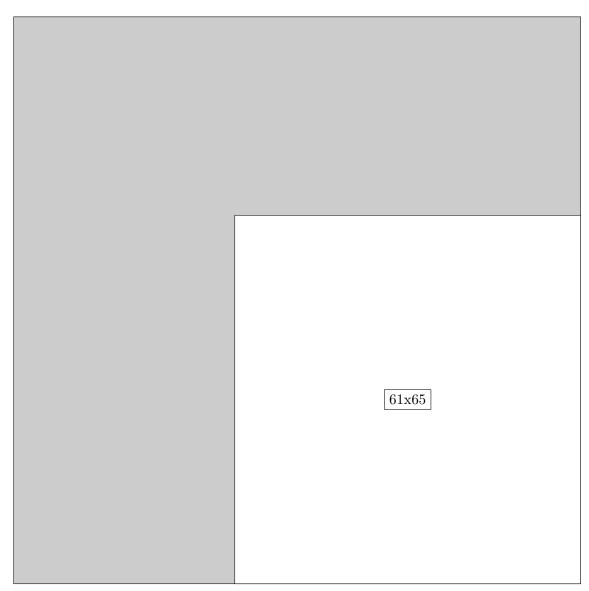


$$\begin{array}{l} w = & 77 \ , \ h = & 69 \ , \ x = & 23 \ , \ y = & 0 \ , \ v = & 5313 \\ w = & 71 \ , \ h = & 29 \ , \ x = & 29 \ , \ y = & 69 \ , \ v = & 2059 \\ w = & 33 \ , \ h = & 2 \ , \ x = & 67 \ , \ y = & 98 \ , \ v = & 66 \end{array}$$

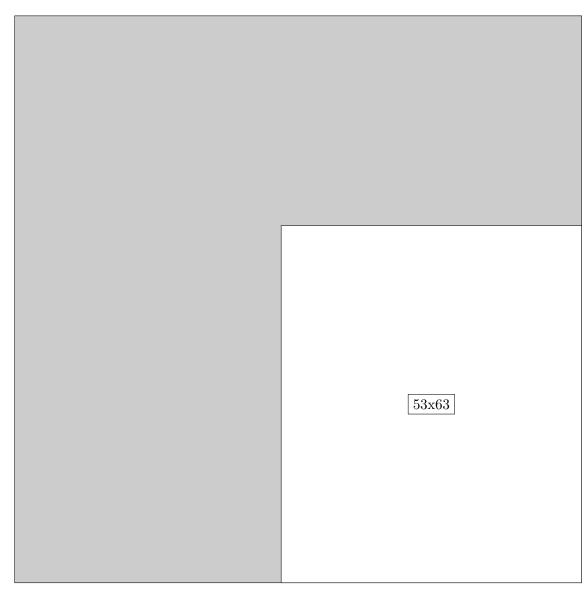


$$\begin{array}{l} w = \! 80 \ , \, h = \! 57 \ , \, x = \! 20 \ , \, y = \! 0 \ , \, v = \! 4560 \\ w = \! 79 \ , \, h = \! 39 \ , \, x = \! 21 \ , \, y = \! 57 \ , \, v = \! 3081 \end{array}$$

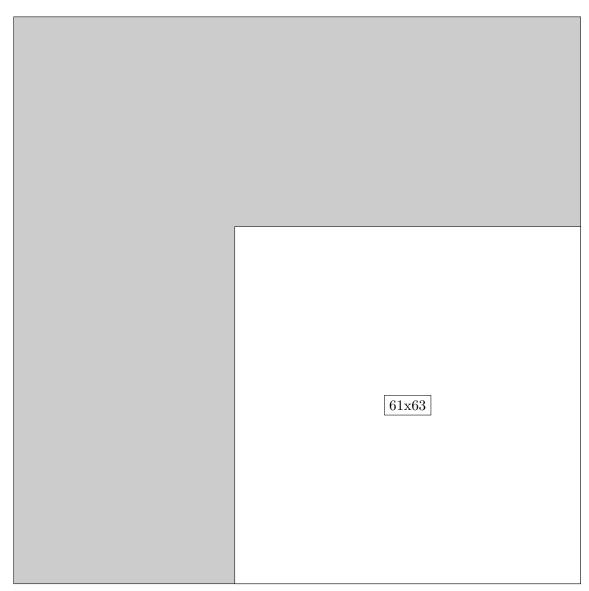




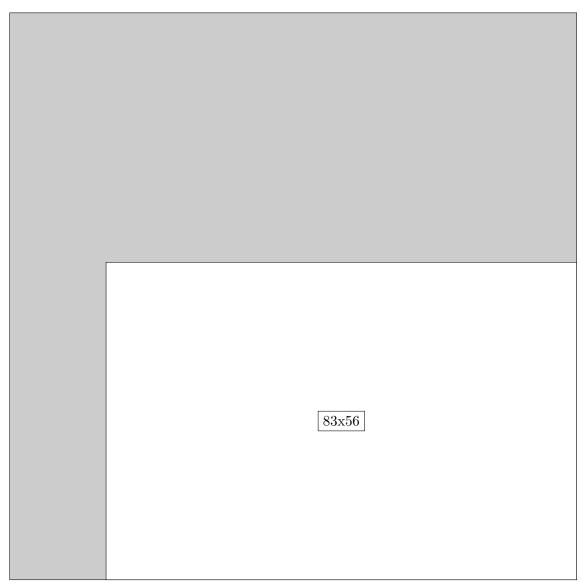
 $\le =61$, h=65 , x=39 , y=0 , v=3965



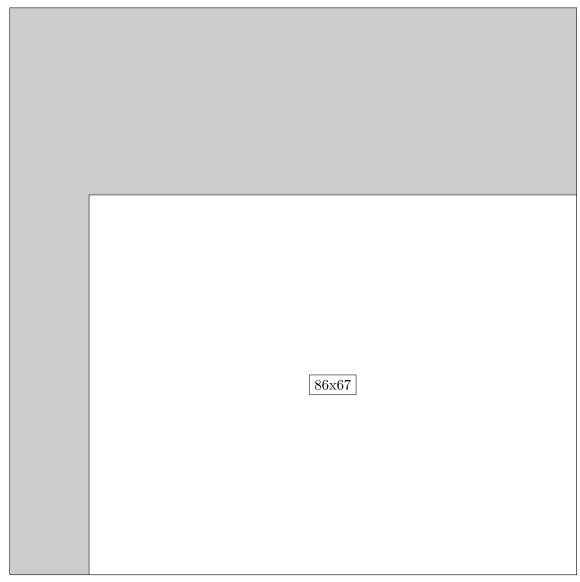
 $\le =53$, h =63 , x =47 , y =0 , v =3339



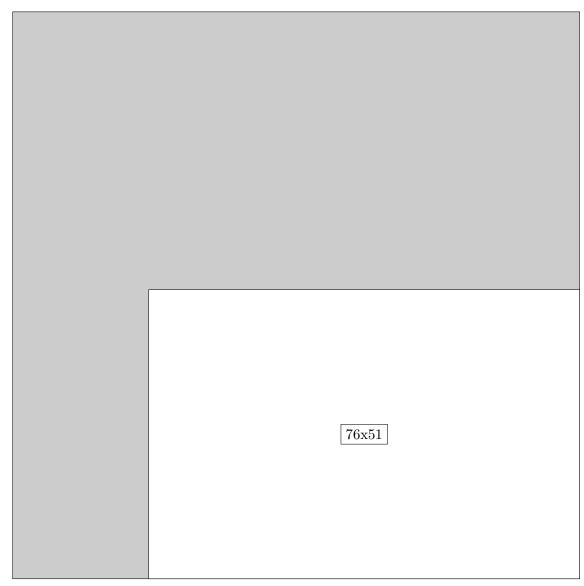
 $\le =61$, h=63 , x=39 , y=0 , v=3843



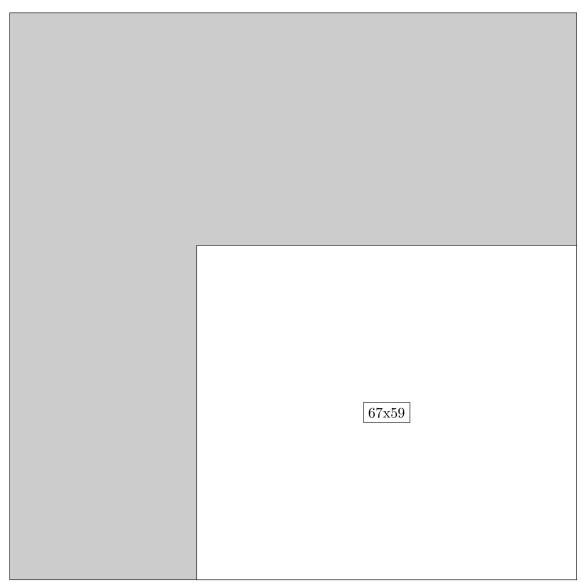
 $\le =83$, h = 56 , x = 17 , y = 0 , v = 4648



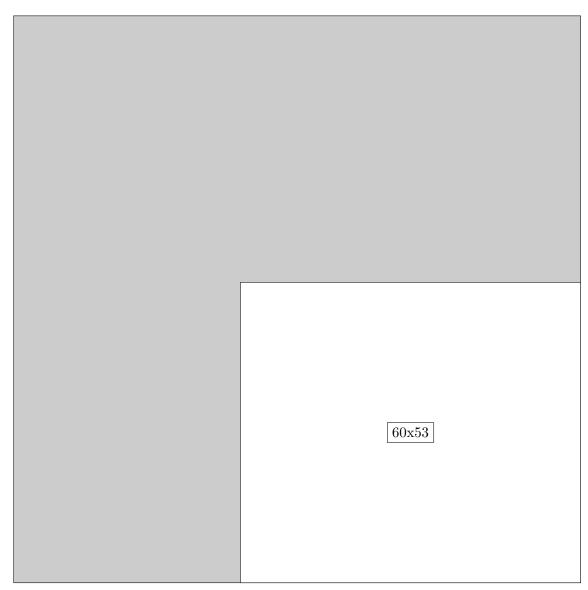
 $\le =86$, h =67 , x =14 , y =0 , v =5762



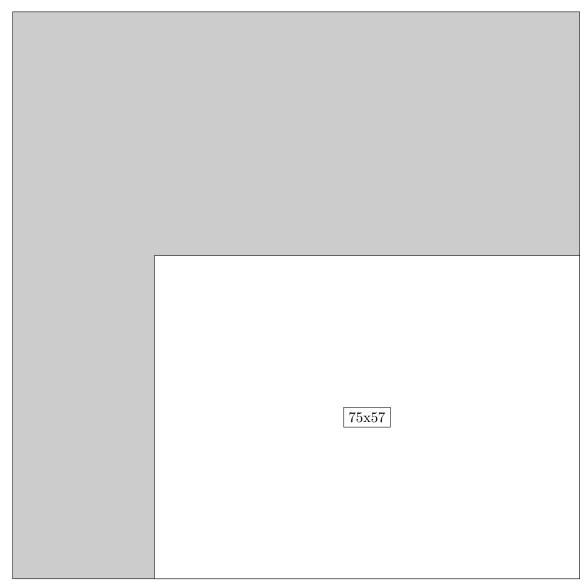
 $\le =76$, h =51 , x =24 , y =0 , v =3876



 $\le =67$, h =59 , x =33 , y =0 , v =3953



 $\le =60$, h =53 , x =40 , y =0 , v =3180



 $\le =75$, h =57 , x =25 , y =0 , v =4275