${\bf ClassName:}~{\bf Class_09.2bp\text{-}30}$

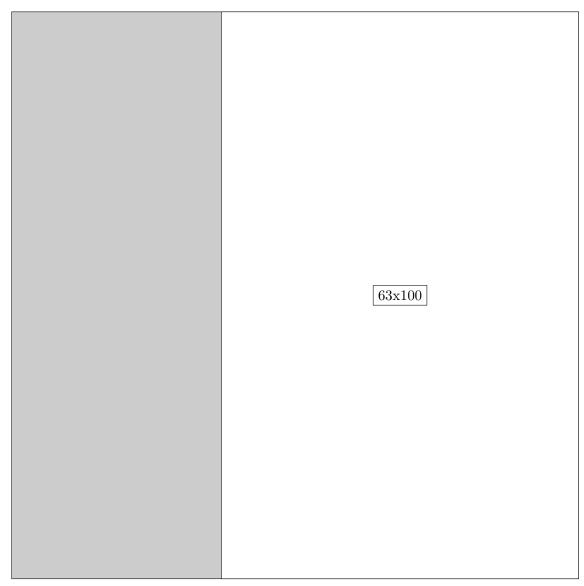
BinSize: $\underline{100 \times 100}$ ReduceSize: $\underline{100 \times 100}$

TypeNum: <u>79</u> Num: <u>80</u> OutS: <u>590000</u> InS: <u>350912</u> Rate: <u>0.595</u> UB: <u>59</u> LB: <u>59</u>

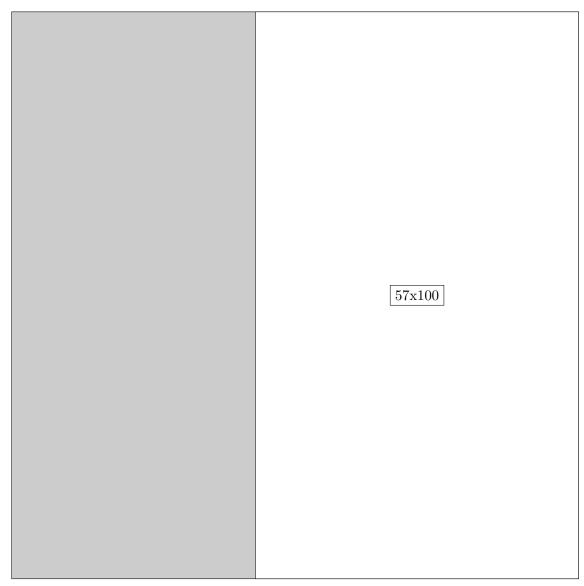
LBWithCut: $\underline{\bf 59}$ NodeCount: $\underline{\bf 0}$ PrimalNode: $\underline{\bf 0}$ ColumnCount: $\underline{\bf 59}$ TotalCutCount: $\underline{\bf 0}$ RootCutCount: $\underline{\bf 0}$ LPSolverCnt: $\underline{\bf 1}$ PricingSolverCnt: $\underline{\bf 0}$ BranchAndBoundNum: $\underline{\bf 1}$

isOpt: **true**

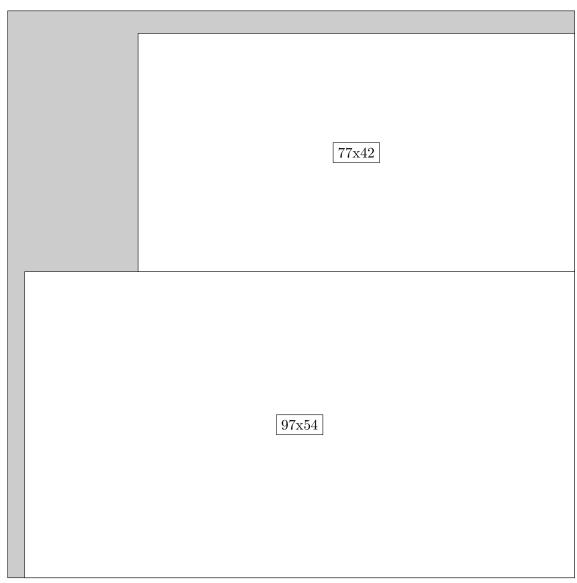
TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.078 sTotalTime: 0.250 s



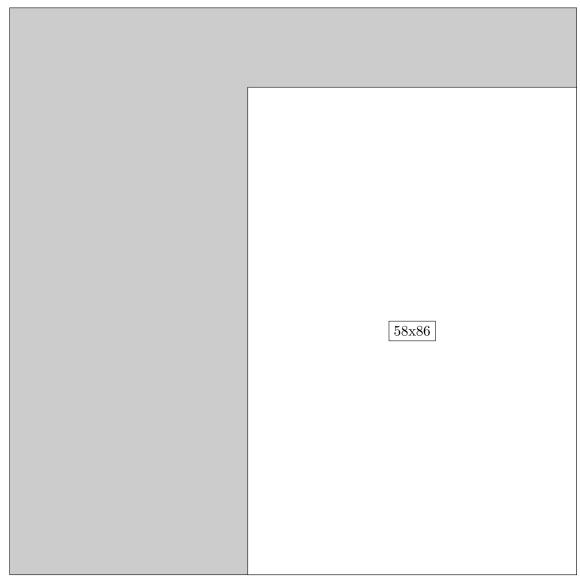
 $\le =63$, h = 100 , x = 37 , y = 0 , v = 6300



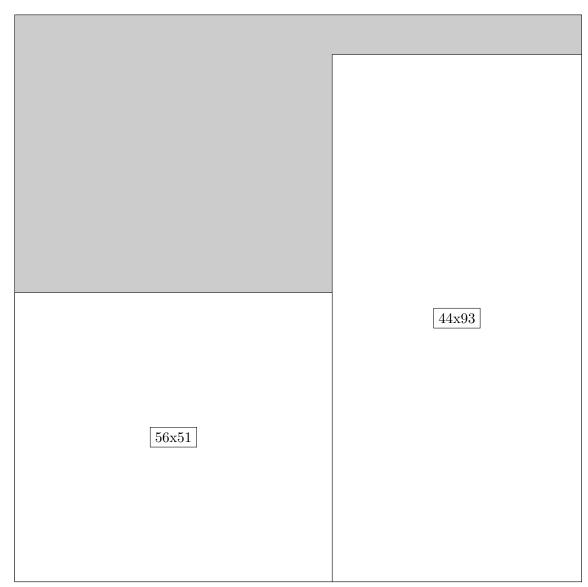
 $\le =57$, h =100 , x =43 , y =0 , v =5700



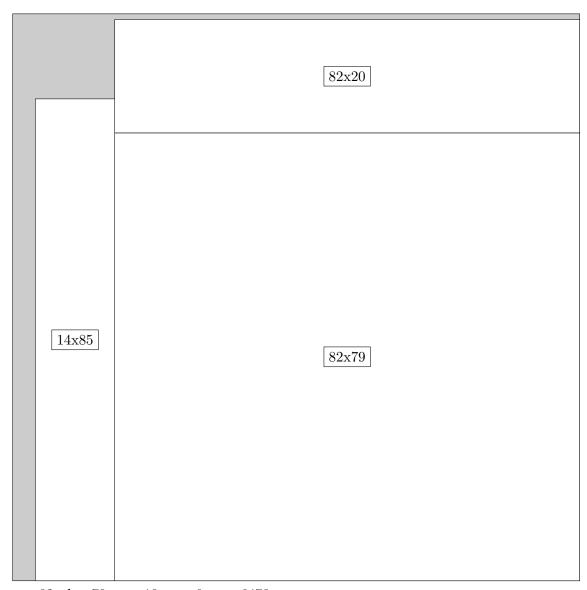
$$\begin{array}{l} w = 97 \; , \; h = \!\! 54 \; , \; x = \!\! 3 \; , \; y = \!\! 0 \; , \; v = \!\! 5238 \\ w = \!\! 77 \; , \; h = \!\! 42 \; , \; x = \!\! 23 \; , \; y = \!\! 54 \; , \; v = \!\! 3234 \\ \end{array}$$



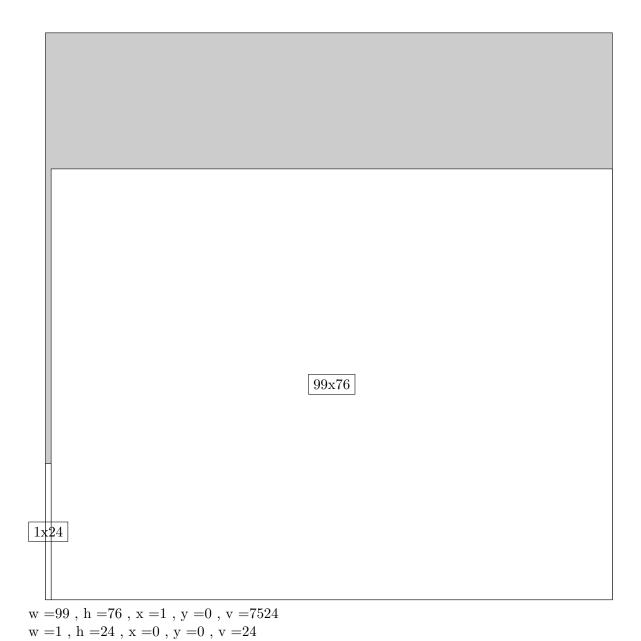
 $\le =58$, h = 86 , x = 42 , y = 0 , v = 4988

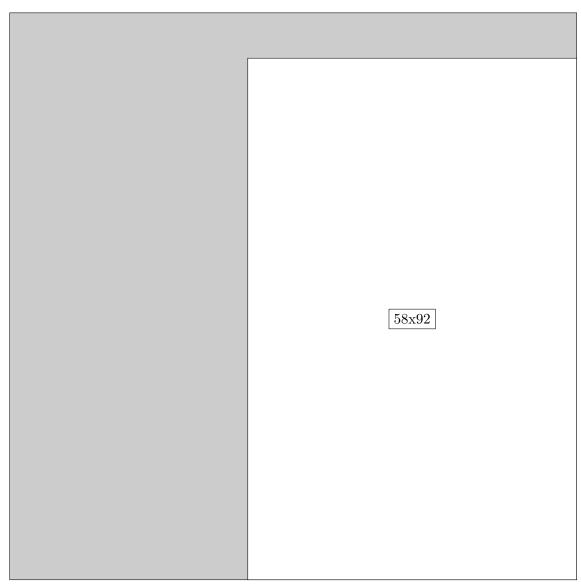


$$\begin{array}{l} w = \! 44 \ , \ h = \! 93 \ , \ x = \! 56 \ , \ y = \! 0 \ , \ v = \! 4092 \\ w = \! 56 \ , \ h = \! 51 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 2856 \end{array}$$

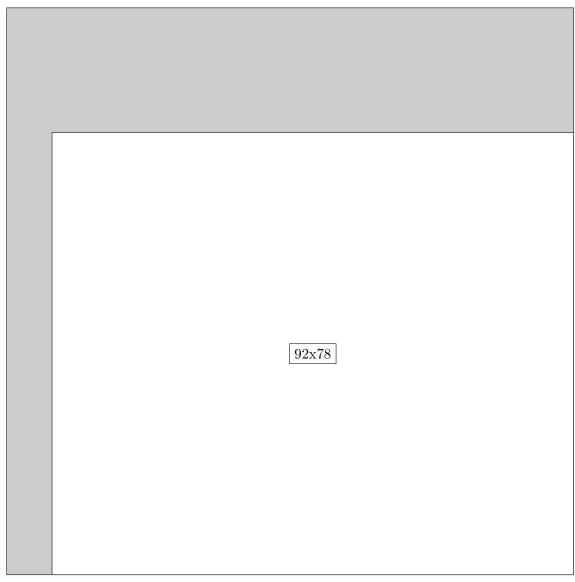


$$\begin{array}{l} w = & 82 \; , \; h = & 79 \; , \; x = & 18 \; , \; y = & 0 \; , \; v = & 6478 \\ w = & 82 \; , \; h = & 20 \; , \; x = & 18 \; , \; y = & 79 \; , \; v = & 1640 \\ w = & 14 \; , \; h = & 85 \; , \; x = & 4 \; , \; y = & 0 \; , \; v = & 1190 \end{array}$$

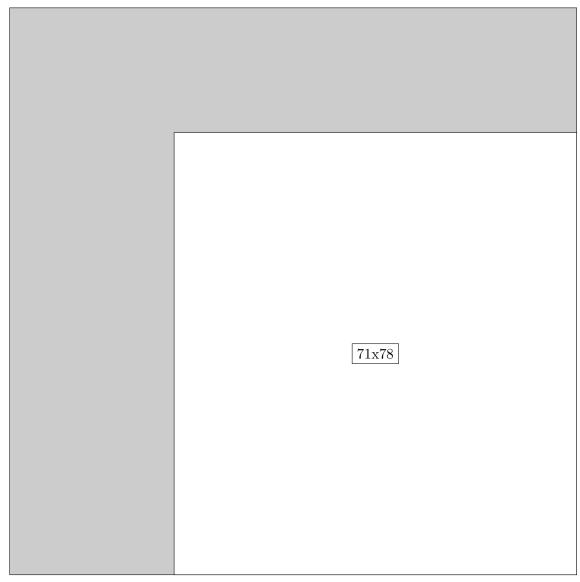




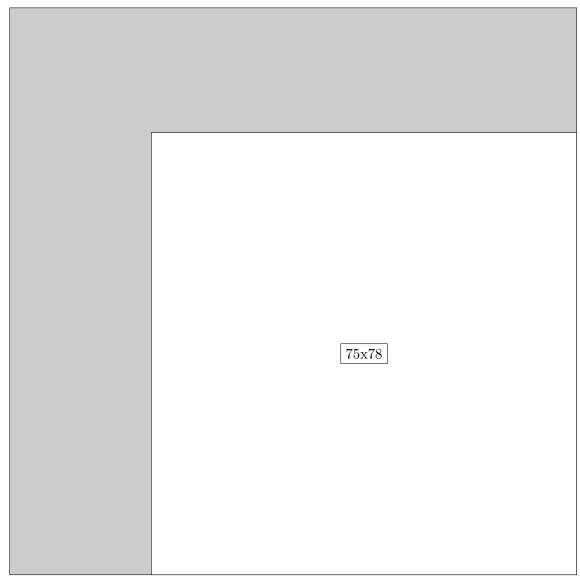
 ≤ -58 , h =92 , x =42 , y =0 , v =5336



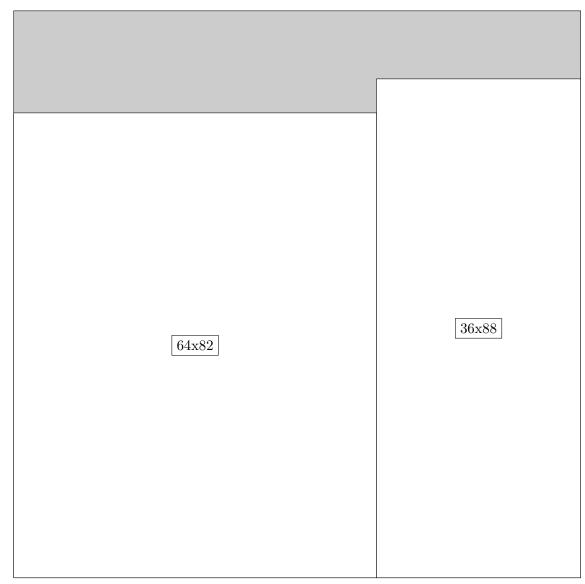
 $\le =92$, h =78 , x =8 , y =0 , v =7176



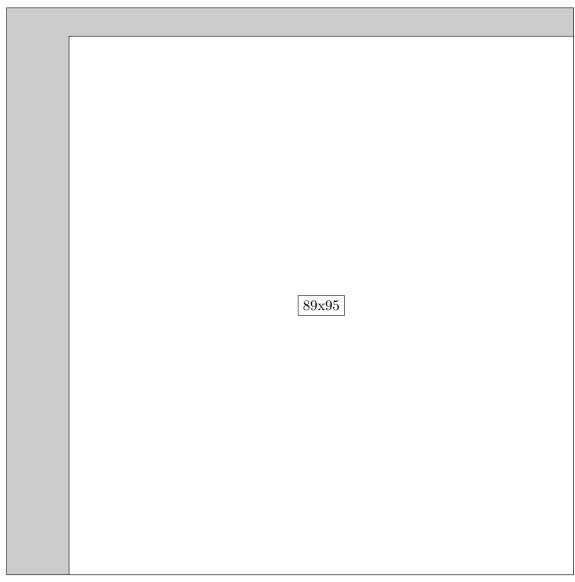
 $\le =71$, h =78 , x =29 , y =0 , v =5538



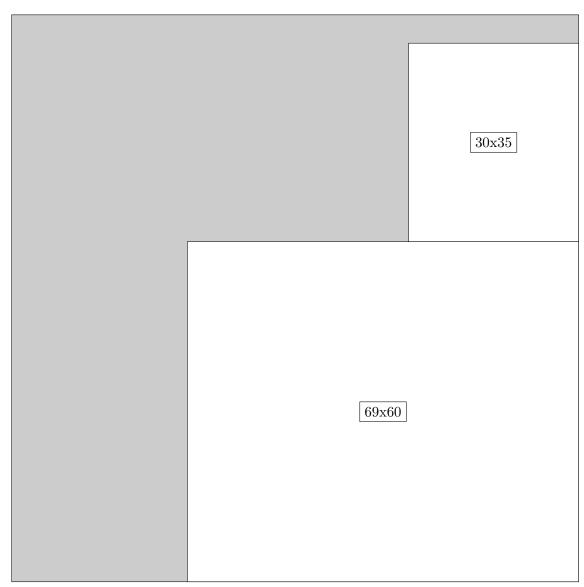
 $\le =75$, h =78 , x =25 , y =0 , v =5850



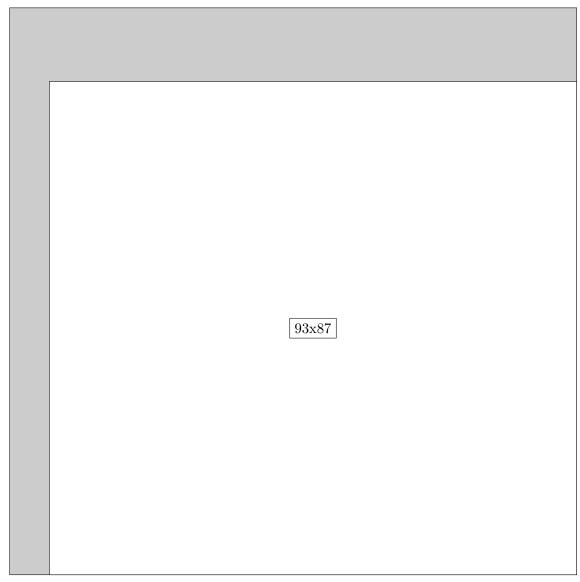
$$\begin{array}{l} w = \! 36 \ , \ h = \! 88 \ , \ x = \! 64 \ , \ y = \! 0 \ , \ v = \! 3168 \\ w = \! 64 \ , \ h = \! 82 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 5248 \end{array}$$



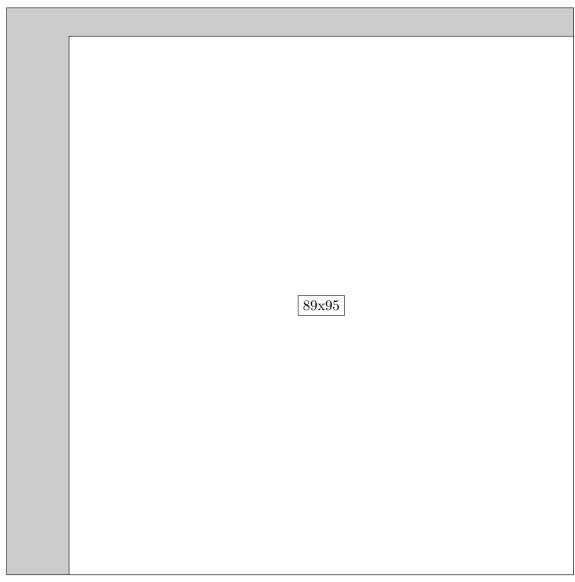
 $\le =89$, h =95 , x =11 , y =0 , v = 8455



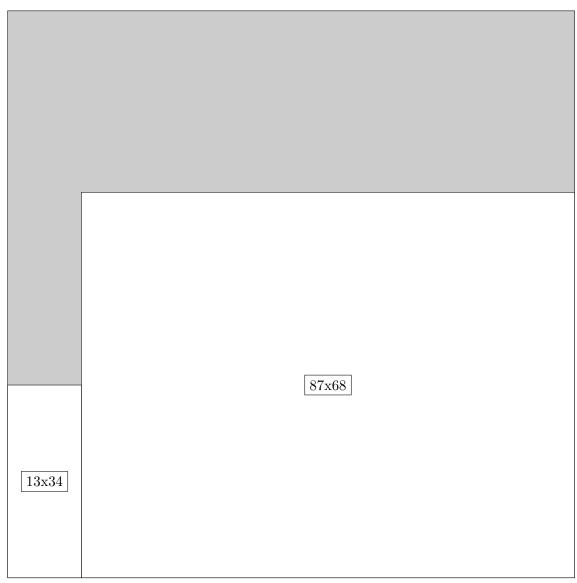
$$\begin{array}{l} w = \!69 \ , \, h = \!60 \ , \, x = \!31 \ , \, y = \!0 \ , \, v = \!4140 \\ w = \!30 \ , \, h = \!35 \ , \, x = \!70 \ , \, y = \!60 \ , \, v = \!1050 \end{array}$$



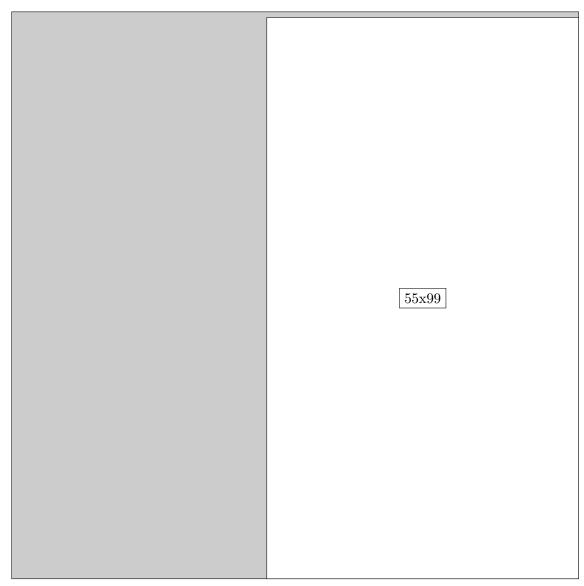
 ≤ -93 , h =87 , x =7 , y =0 , v =8091



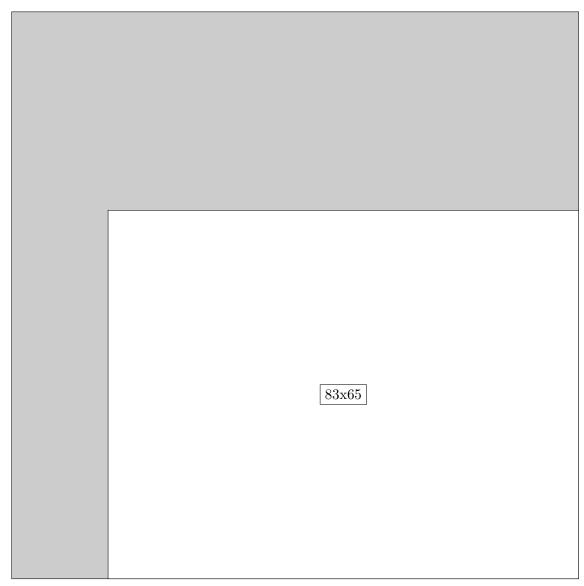
 $\le =89$, h =95 , x =11 , y =0 , v = 8455



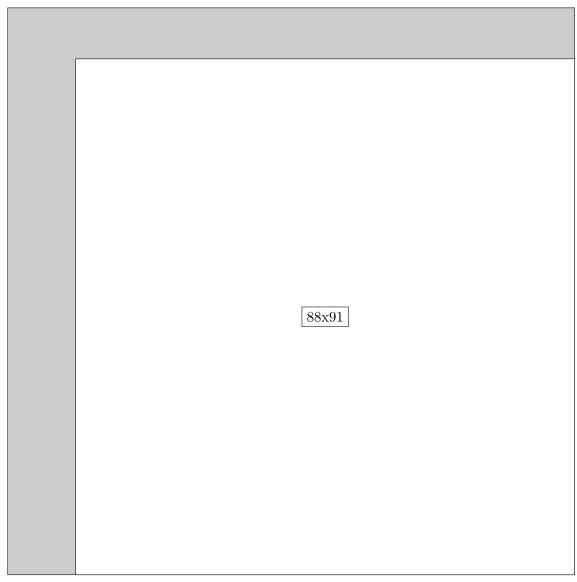
$$\begin{array}{l} w = \! 87 \ , \ h = \! 68 \ , \ x = \! 13 \ , \ y = \! 0 \ , \ v = \! 5916 \\ w = \! 13 \ , \ h = \! 34 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 442 \end{array}$$



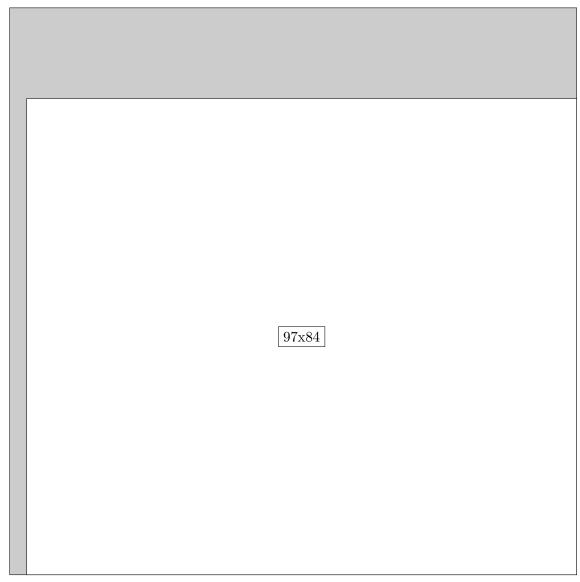
 $\le =55$, h =99 , x =45 , y =0 , v =5445



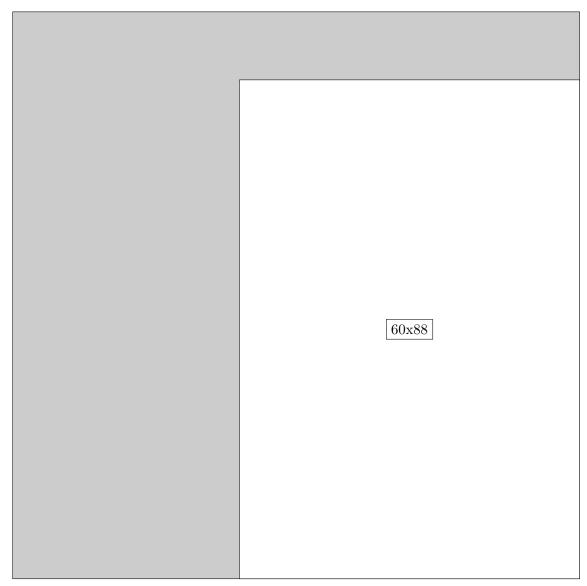
 $\le =83$, h =65 , x =17 , y =0 , v =5395



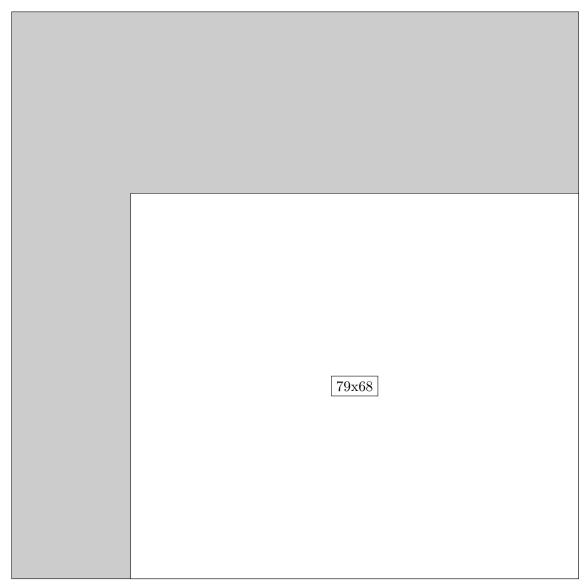
 $\le =88$, h =91 , x =12 , y =0 , v = 8008



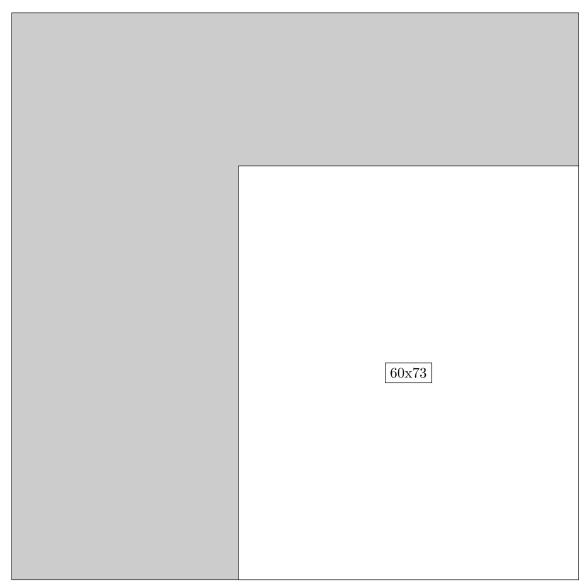
 $\le =97$, h =84 , x =3 , y =0 , v =8148



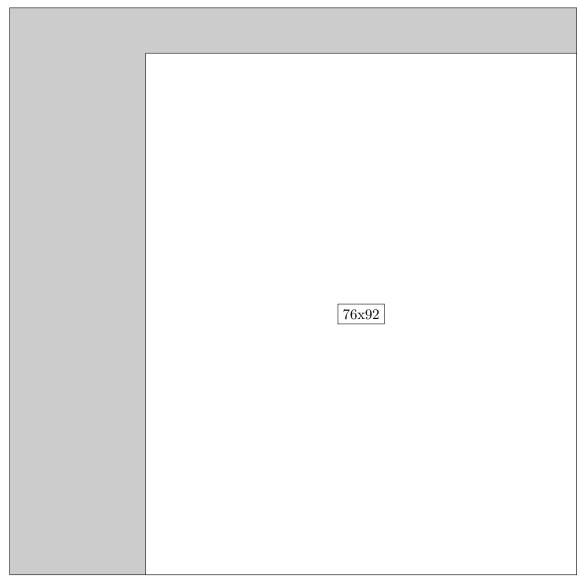
 $\le =60$, h =88 , x =40 , y =0 , v =5280



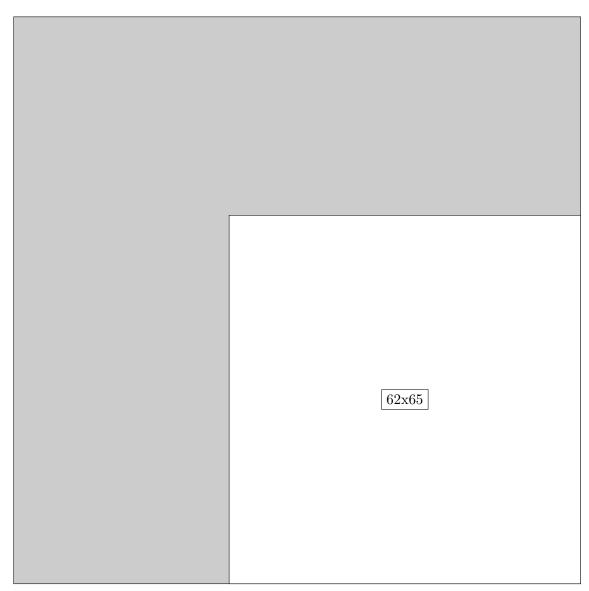
 $\le =79$, h =68 , x =21 , y =0 , v =5372



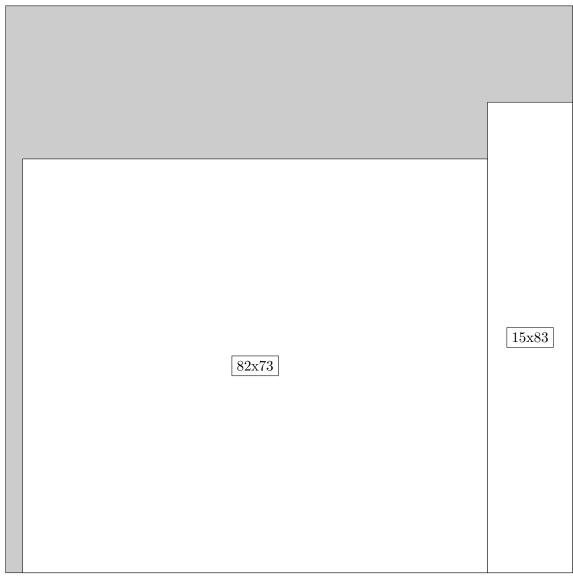
 $\le =60$, h =73 , x =40 , y =0 , v =4380



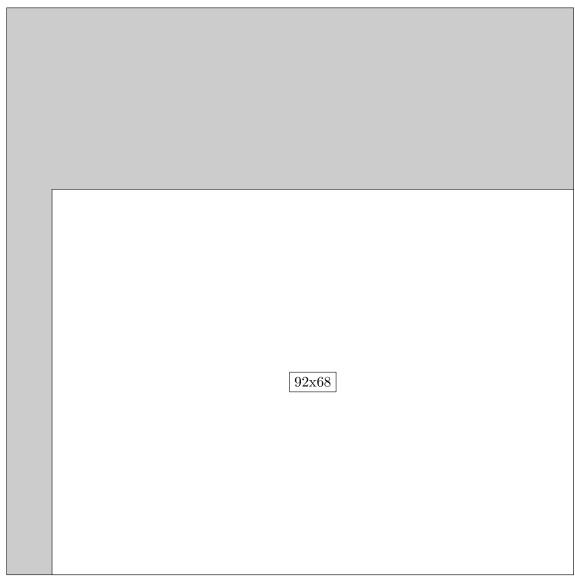
 $\le =76$, h =92 , x =24 , y =0 , v =6992



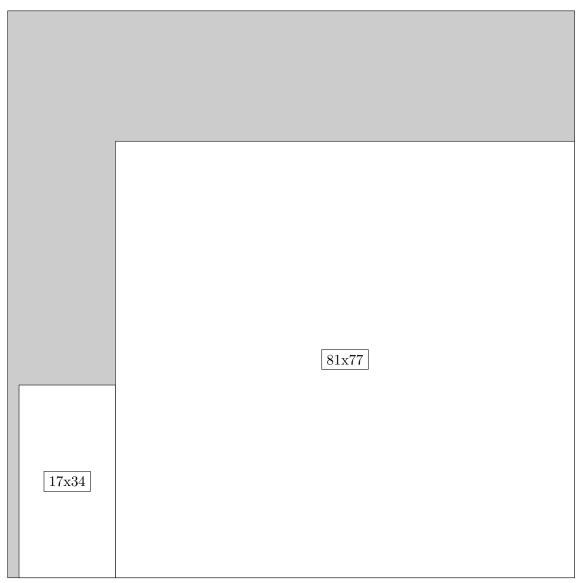
 $\le =62$, h=65 , x=38 , y=0 , v=4030



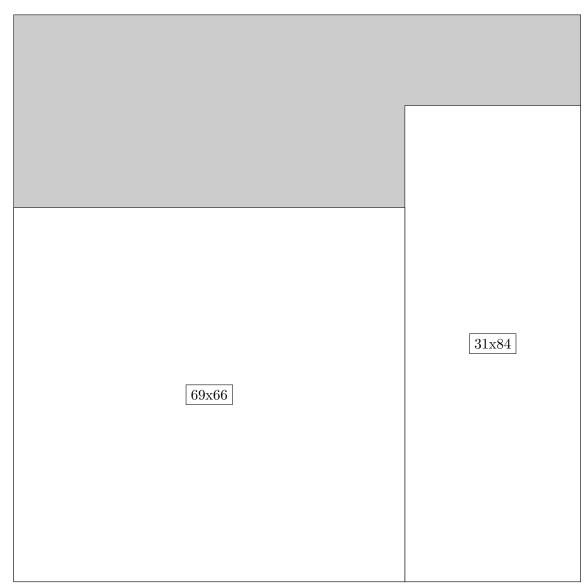
$$\begin{array}{l} w = \! 15 \ , \ h = \! 83 \ , \ x = \! 85 \ , \ y = \! 0 \ , \ v = \! 1245 \\ w = \! 82 \ , \ h = \! 73 \ , \ x = \! 3 \ , \ y = \! 0 \ , \ v = \! 5986 \end{array}$$

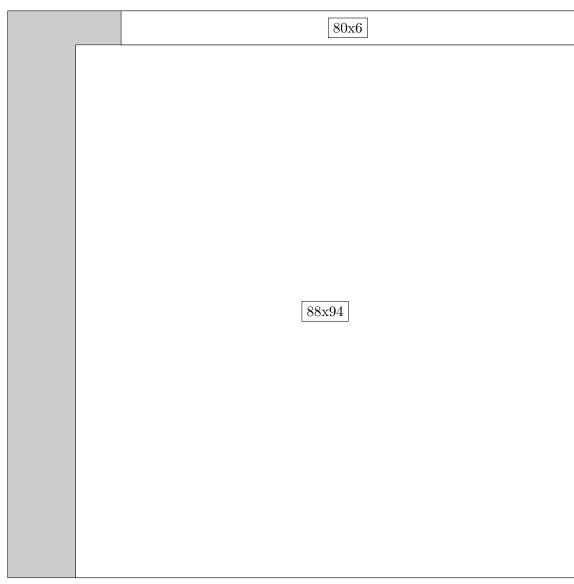


 $\le =92$, $\le =68$, $\ge =8$, y =0 , v =6256

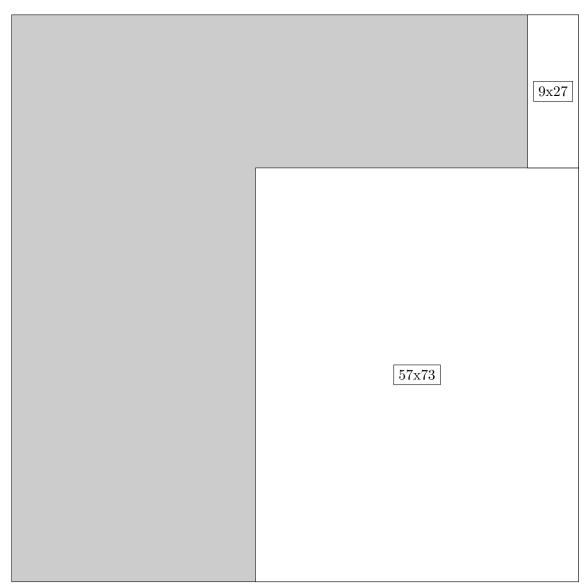


$$\begin{array}{l} w = \! 81 \ , \ h = \! 77 \ , \ x = \! 19 \ , \ y = \! 0 \ , \ v = \! 6237 \\ w = \! 17 \ , \ h = \! 34 \ , \ x = \! 2 \ , \ y = \! 0 \ , \ v = \! 578 \end{array}$$

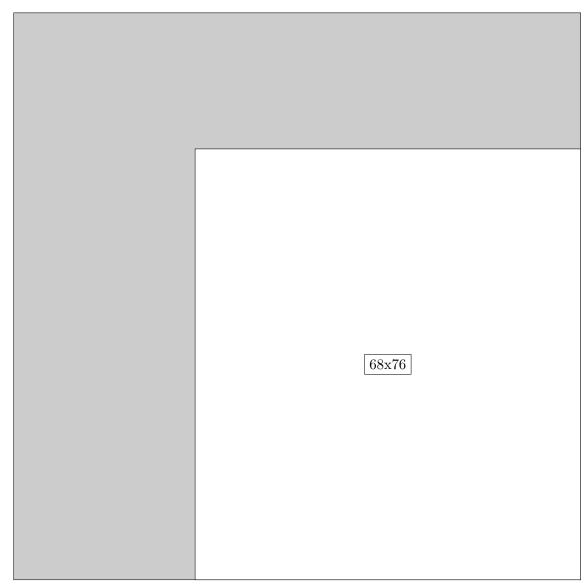




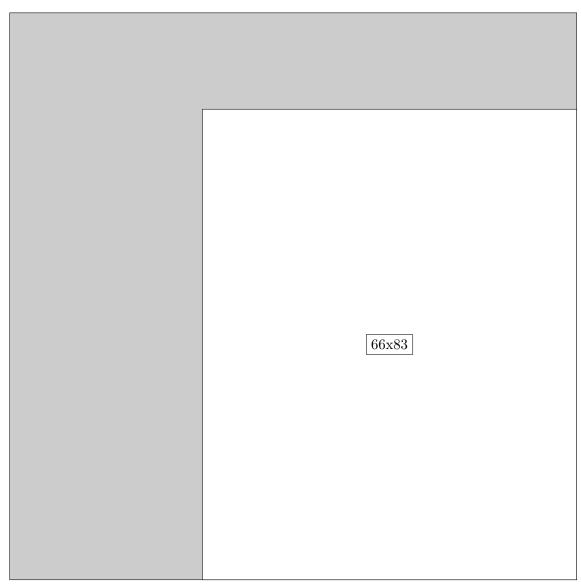
$$\begin{array}{l} w = \! 88 \ , \ h = \! 94 \ , \ x = \! 12 \ , \ y = \! 0 \ , \ v = \! 8272 \\ w = \! 80 \ , \ h = \! 6 \ , \ x = \! 20 \ , \ y = \! 94 \ , \ v = \! 480 \end{array}$$



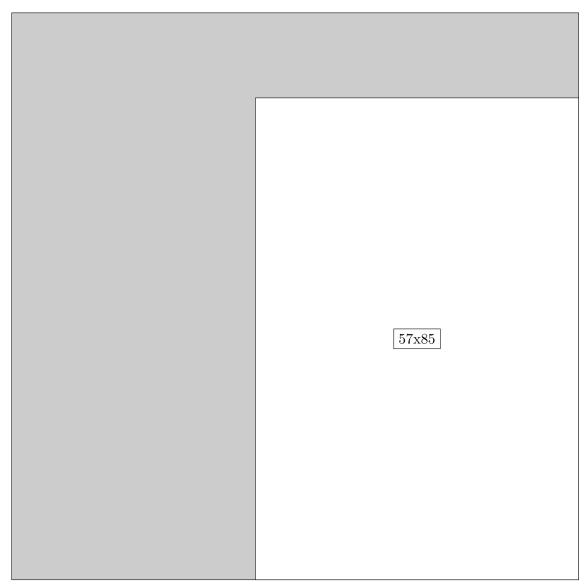
 $\begin{array}{l} w = \!\!57 \ , \ h = \!\!73 \ , \ x = \!\!43 \ , \ y = \!\!0 \ , \ v = \!\!4161 \\ w = \!\!9 \ , \ h = \!\!27 \ , \ x = \!\!91 \ , \ y = \!\!73 \ , \ v = \!\!243 \end{array}$



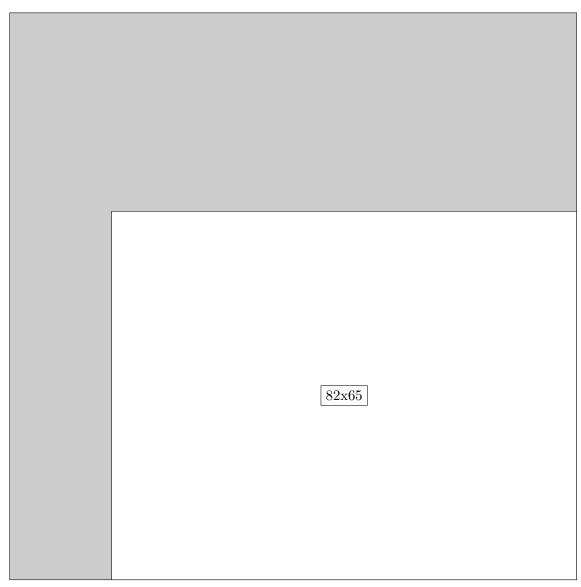
 $\le =68$, h =76 , x =32 , y =0 , v =5168



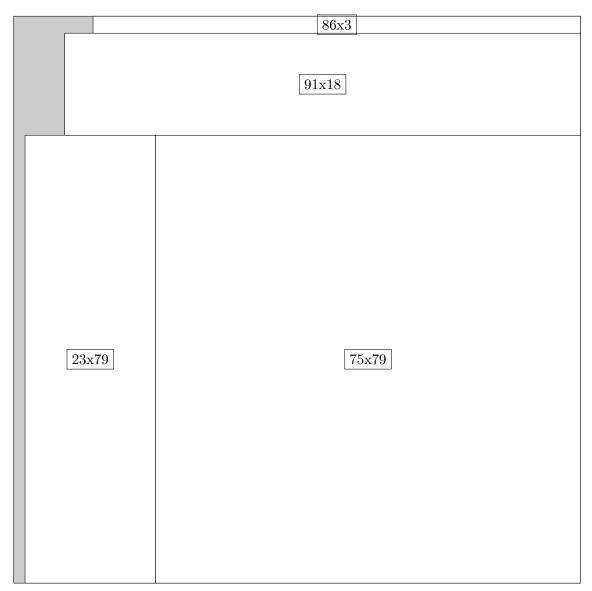
 $\le =66$, h =83 , x =34 , y =0 , v =5478



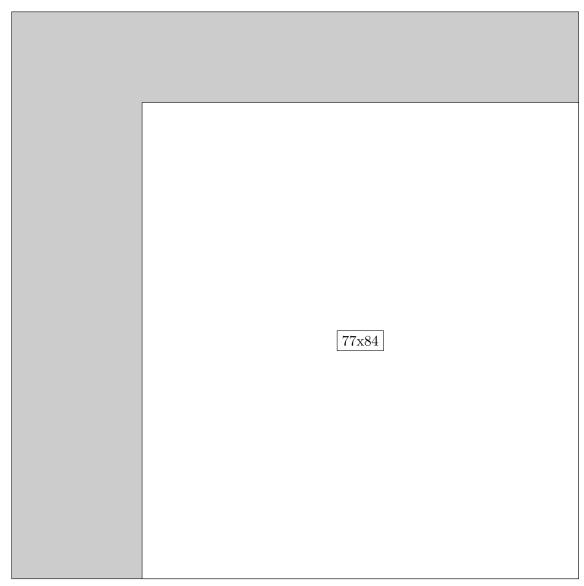
 $\le =57$, h = 85 , x = 43 , y = 0 , v = 4845



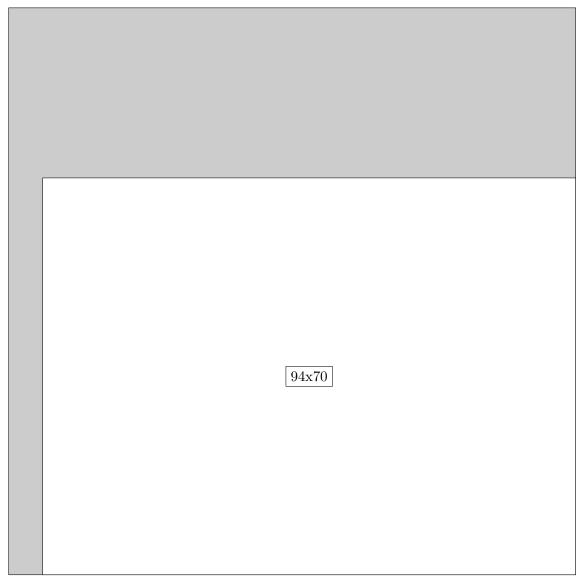
 $\le =82$, h=65 , x=18 , y=0 , v=5330



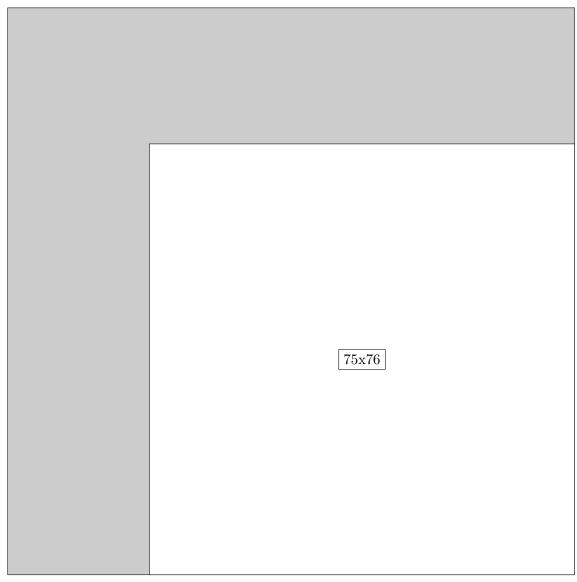
$$\begin{array}{l} w = \!\!\! 75 \ , \ h = \!\!\! 79 \ , \ x = \!\!\! 25 \ , \ y = \!\!\! 0 \ , \ v = \!\!\! 5925 \\ w = \!\!\! 23 \ , \ h = \!\!\! 79 \ , \ x = \!\!\! 2 \ , \ y = \!\!\! 0 \ , \ v = \!\!\! 1817 \\ w = \!\!\! 91 \ , \ h = \!\!\! 18 \ , \ x = \!\!\! 9 \ , \ y = \!\!\! 79 \ , \ v = \!\!\! 1638 \\ w = \!\!\! 86 \ , \ h = \!\!\! 3 \ , \ x = \!\!\! 14 \ , \ y = \!\!\! 97 \ , \ v = \!\!\! 258 \end{array}$$



 $\le =77$, h =84 , x =23 , y =0 , v =6468



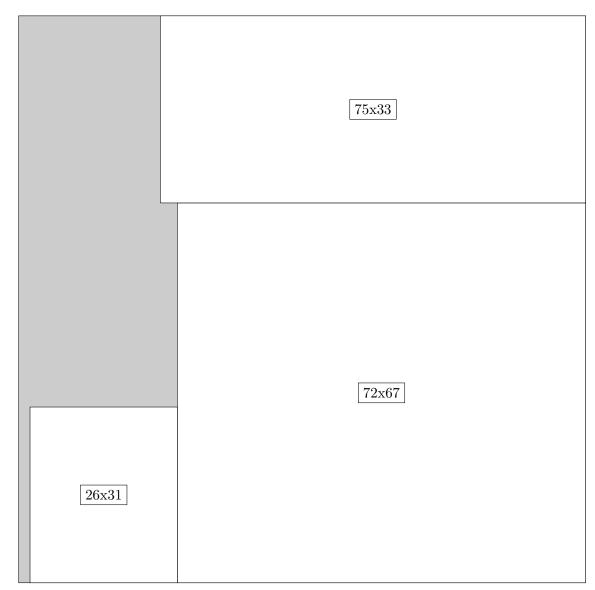
 $\le =94$, h =70 , x =6 , y =0 , v =6580



 $\le =75$, h =76 , x =25 , y =0 , v =5700



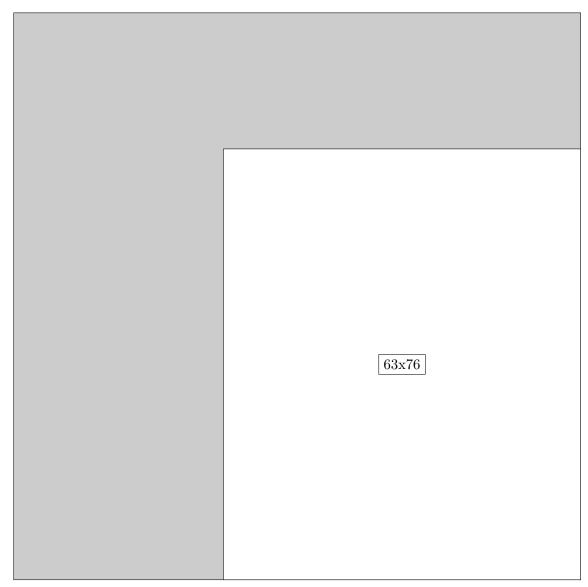
$$\begin{array}{l} w = \! 93 \ , \ h = \! 59 \ , \ x = \! 7 \ , \ y = \! 0 \ , \ v = \! 5487 \\ w = \! 72 \ , \ h = \! 33 \ , \ x = \! 28 \ , \ y = \! 59 \ , \ v = \! 2376 \end{array}$$



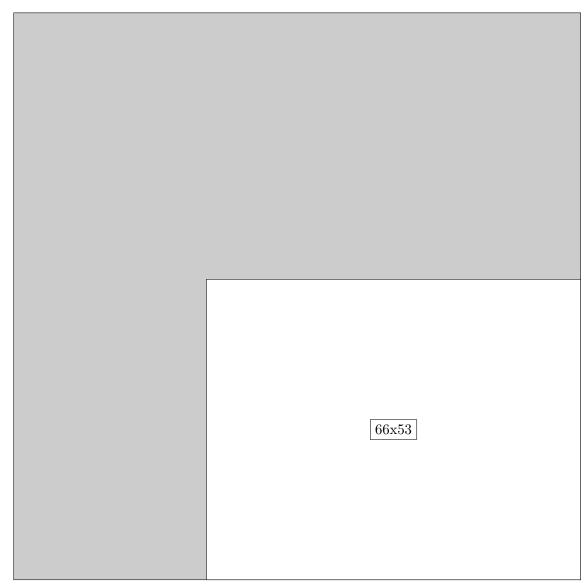
$$w = 72$$
, $h = 67$, $x = 28$, $y = 0$, $v = 4824$

$$\le =26$$
 , h =31 , x =2 , y =0 , v =
806

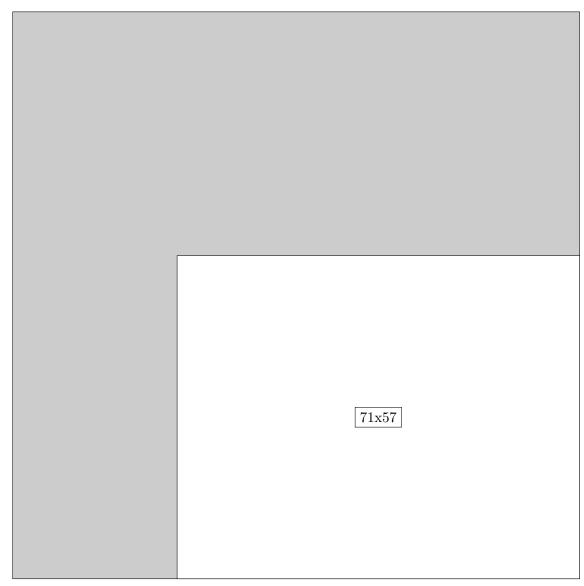
$$\le =75$$
 , h =33 , x =25 , y =67 , v =2475



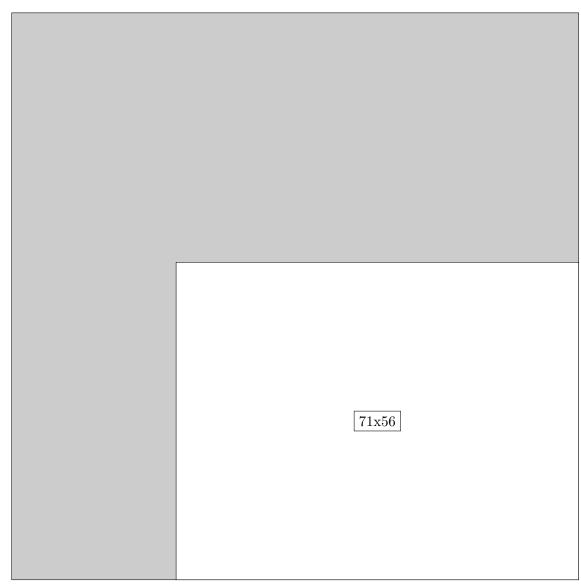
 $\le =63$, h=76 , x=37 , y=0 , v=4788



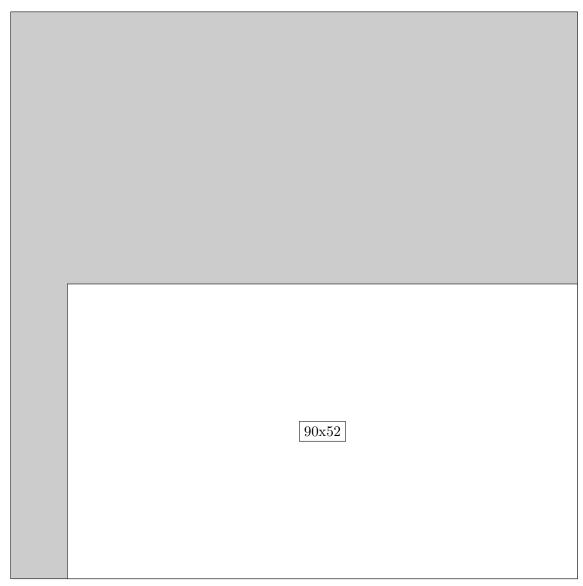
 $\le =66$, h =53 , x =34 , y =0 , v =3498



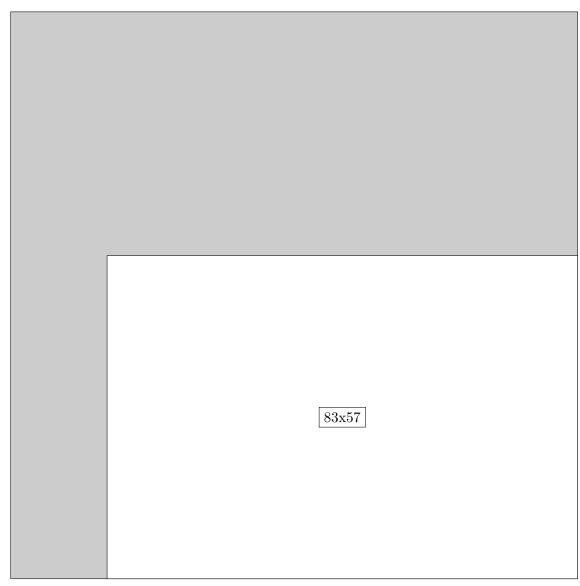
 $\le =71$, h =57 , x =29 , y =0 , v =4047



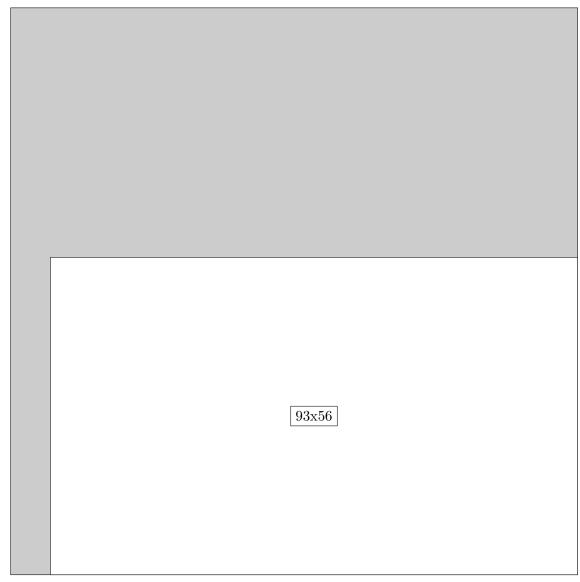
 $\le =71$, h = 56 , x = 29 , y = 0 , v = 3976



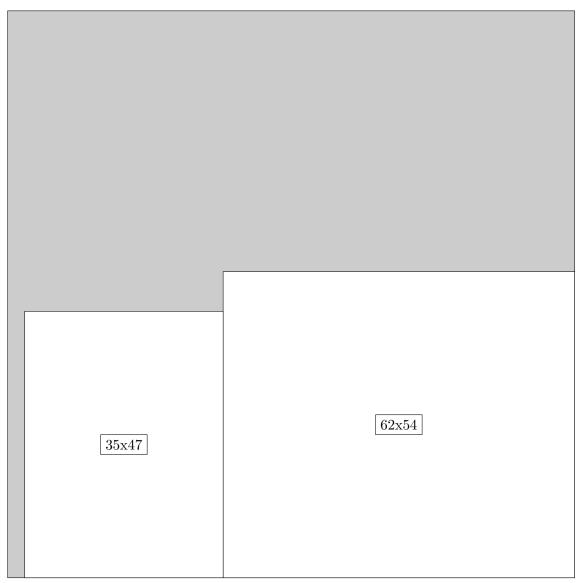
 $\le =90$, h =52 , x =10 , y =0 , v =4680



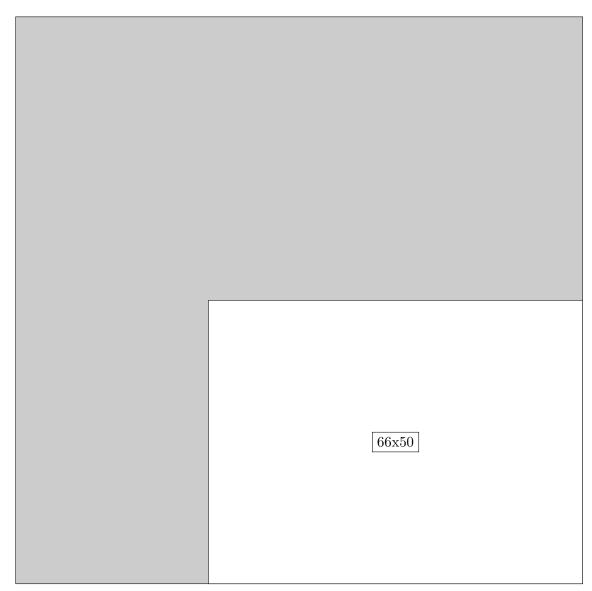
 $\le =83$, h =57 , x =17 , y =0 , v =4731



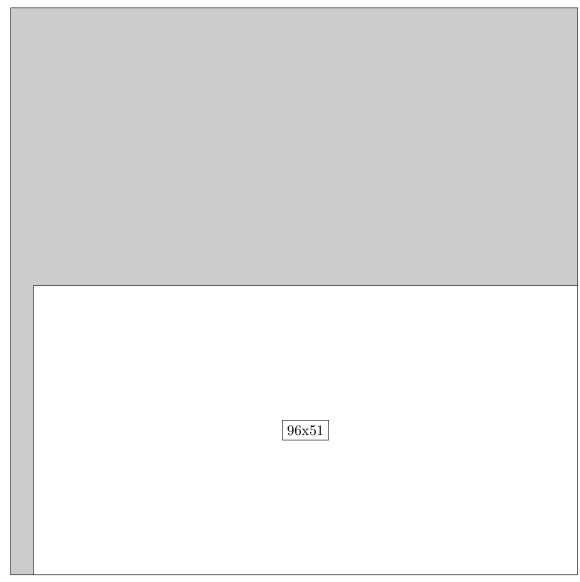
 ≤ -93 , h = 56 , x = 7 , y = 0 , v = 5208



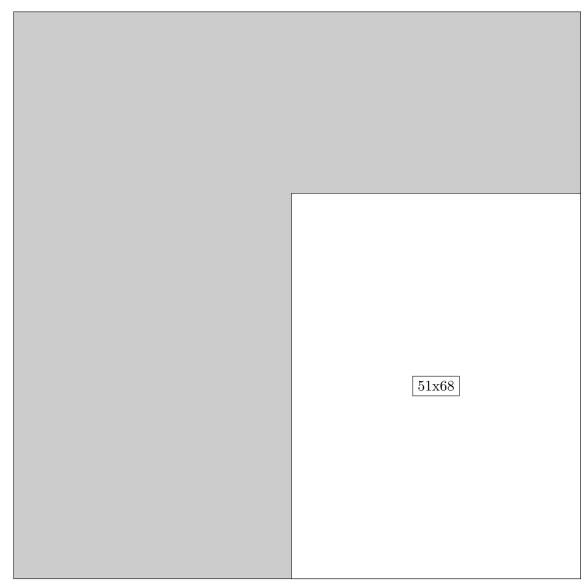
$$\begin{array}{l} w = \!\!62 \ , \ h = \!\!54 \ , \ x = \!\!38 \ , \ y = \!\!0 \ , \ v = \!\!3348 \\ w = \!\!35 \ , \ h = \!\!47 \ , \ x = \!\!3 \ , \ y = \!\!0 \ , \ v = \!\!1645 \end{array}$$



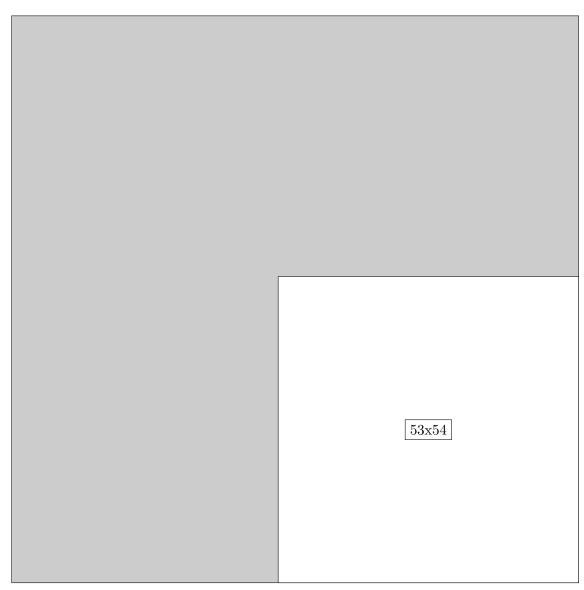
 $\le =66$, $h=\!50$, $x=\!34$, $y=\!0$, $v=\!3300$



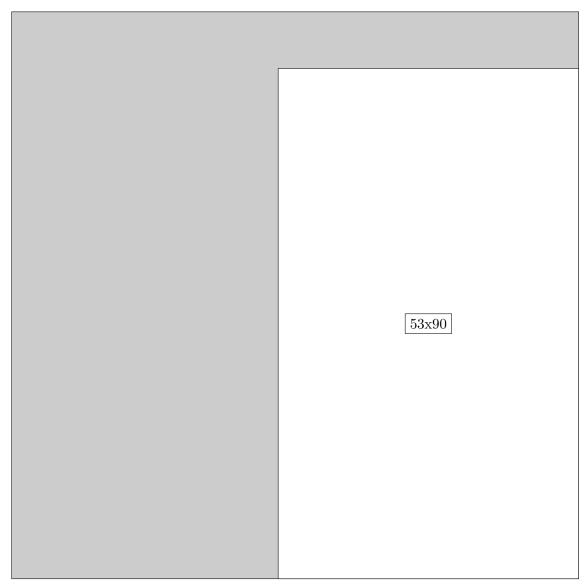
 $\le =96$, h =51 , x =4 , y =0 , v =4896



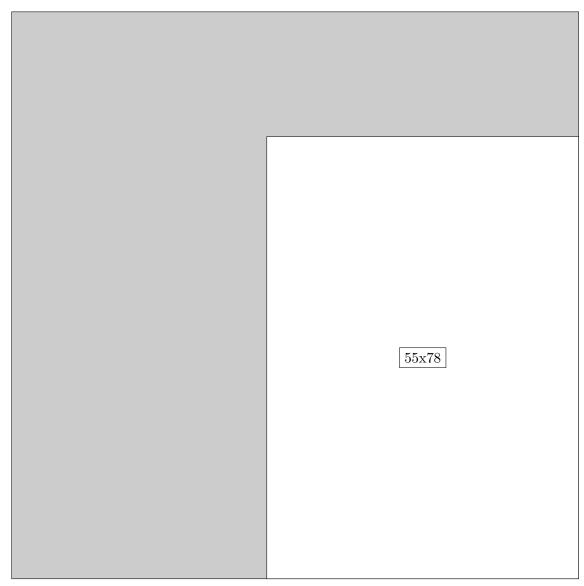
 $\le =51$, h =68 , x =49 , y =0 , v =3468



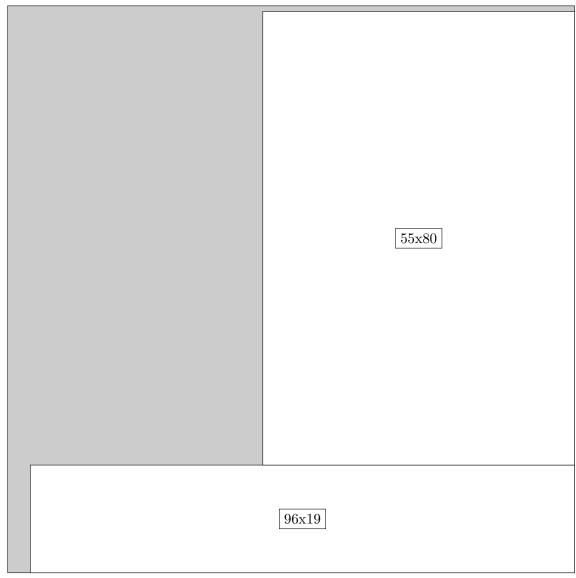
 $\le =53$, h =54 , x =47 , y =0 , v =2862



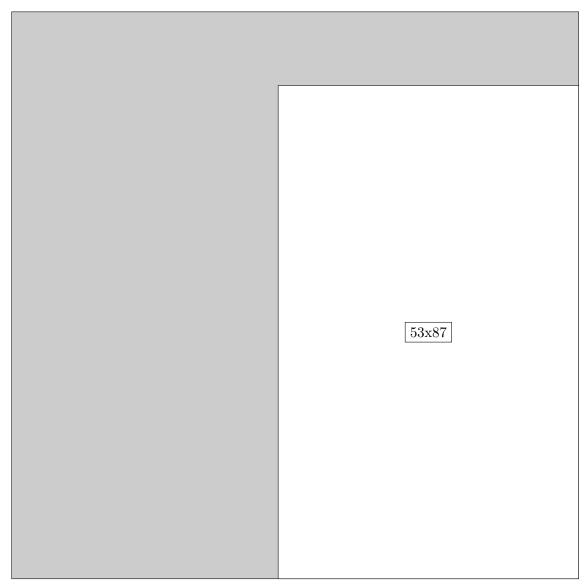
 $\le =53$, h =90 , x =47 , y =0 , v =4770



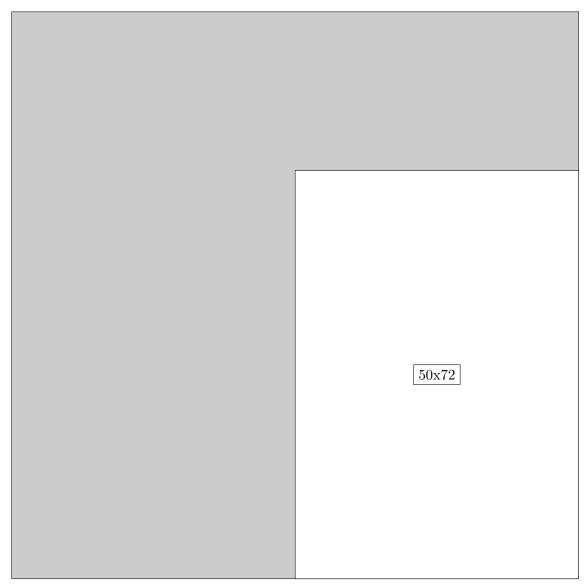
 $\le =55$, h =78 , x =45 , y =0 , v =4290



$$\begin{array}{l} w = \! 96 \; , \; h = \! 19 \; , \; x = \! 4 \; , \; y = \! 0 \; , \; v = \! 1824 \\ w = \! 55 \; , \; h = \! 80 \; , \; x = \! 45 \; , \; y = \! 19 \; , \; v = \! 4400 \end{array}$$



 $\le =53$, h =87 , x =47 , y =0 , v =4611



 $\le =50$, h =72 , x =50 , y =0 , v =3600