$ClassName: \ Class_09.2bp-42$

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

TypeNum: <u>100</u> Num: <u>100</u> OutS: <u>680000</u> InS: <u>418493</u> Rate: <u>0.615</u> UB: <u>68</u> LB0: <u>68</u>

LB: $\underline{68}$ LBWithCut: $\underline{68}$ NodeCut: $\underline{0}$

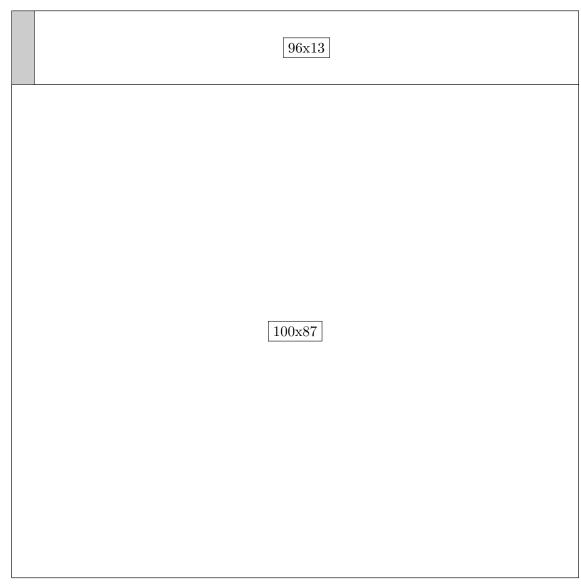
ExtendedNodeCnt: $\underline{\mathbf{1}}$

GenNodeCnt: $\underline{\mathbf{1}}$ PrimalNode: $\underline{\mathbf{0}}$ ColumnCount: $\underline{\mathbf{68}}$ TotalCutCount: $\underline{\mathbf{0}}$ RootCutCount: $\underline{\mathbf{0}}$ LPSolverCnt: $\underline{\mathbf{1}}$ PricingSolverCnt: $\underline{\mathbf{0}}$ BranchAndBoundNum: $\underline{\mathbf{1}}$

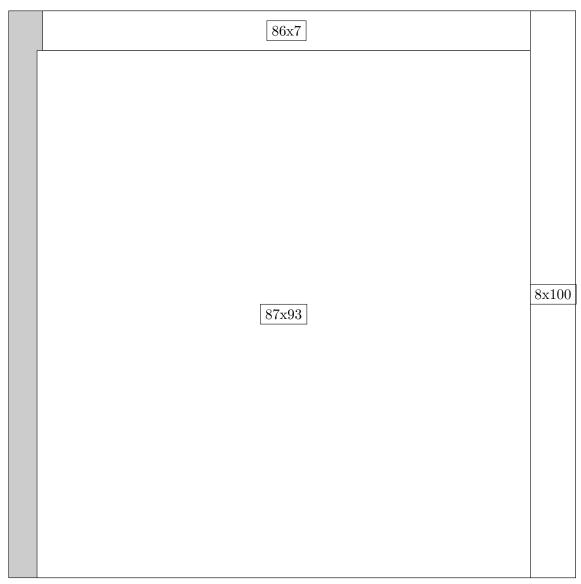
isOpt: $\underline{\mathbf{true}}$

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

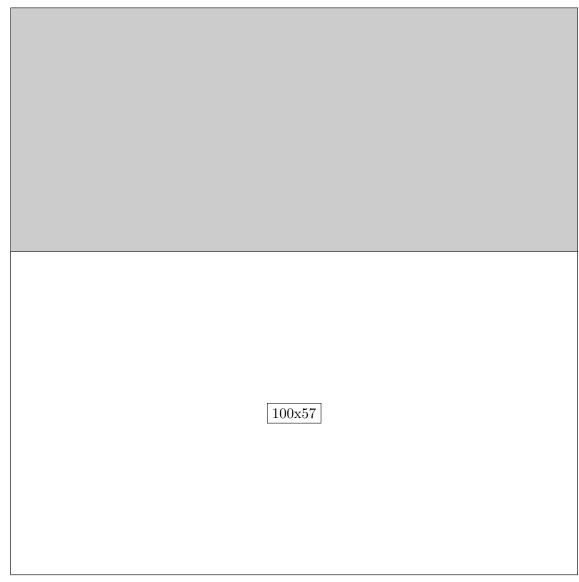
TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.062 sTotalTime: 600.312 s



$$\begin{array}{l} w = \! 100 \ , \ h = \! 87 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 8700 \\ w = \! 96 \ , \ h = \! 13 \ , \ x = \! 4 \ , \ y = \! 87 \ , \ v = \! 1248 \end{array}$$



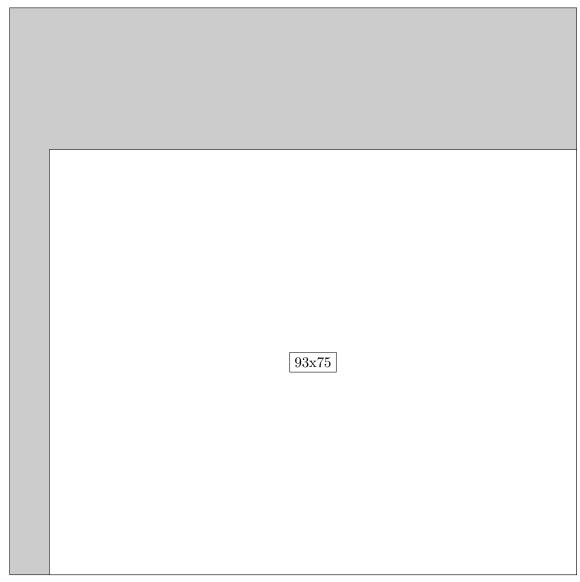
 $\begin{array}{l} w = 8 \ , \ h = \! 100 \ , \ x = \! 92 \ , \ y = \! 0 \ , \ v = \! 800 \\ w = \! 87 \ , \ h = \! 93 \ , \ x = \! 5 \ , \ y = \! 0 \ , \ v = \! 8091 \\ w = \! 86 \ , \ h = \! 7 \ , \ x = \! 6 \ , \ y = \! 93 \ , \ v = \! 602 \end{array}$



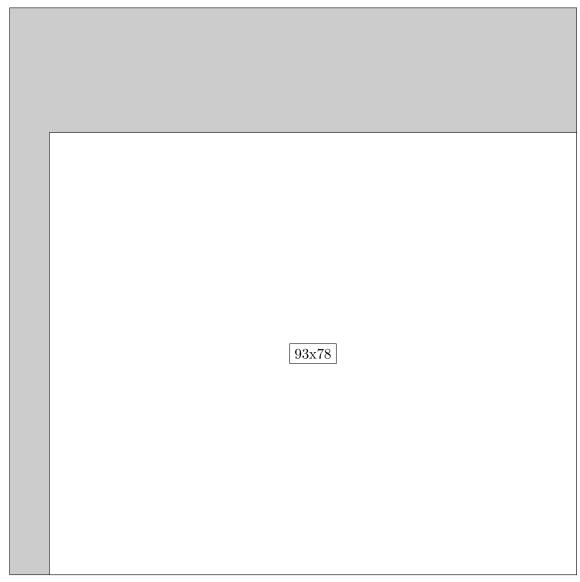
 $\le =100$, h =57 , x =0 , y =0 , v =5700



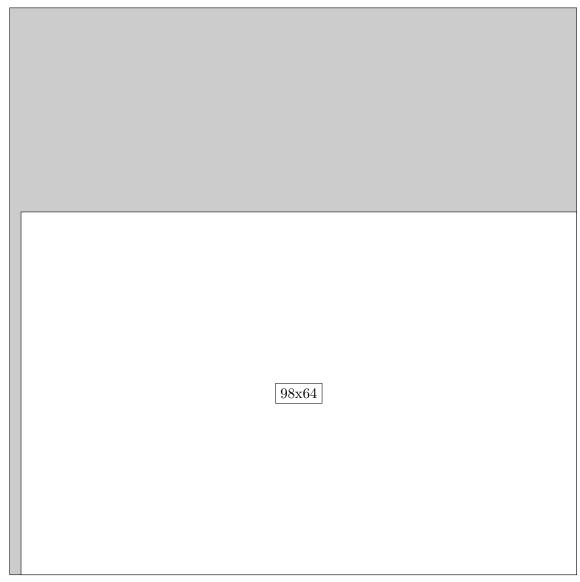
$$\begin{array}{l} w = \! 97 \; , \; h = \! 52 \; , \; x = \! 3 \; , \; y = \! 0 \; , \; v = \! 5044 \\ w = \! 92 \; , \; h = \! 47 \; , \; x = \! 8 \; , \; y = \! 52 \; , \; v = \! 4324 \end{array}$$



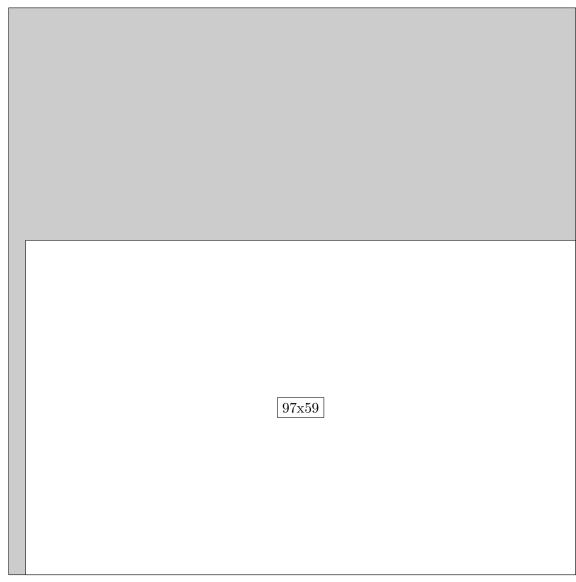
 ≤ -93 , h =75 , x =7 , y =0 , v =6975



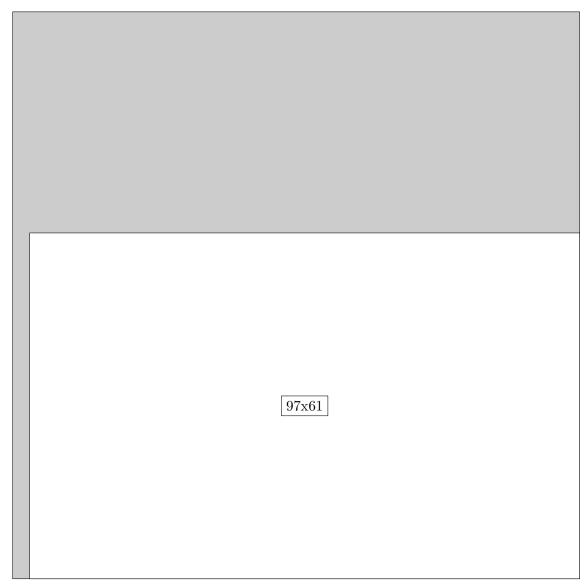
 $\le =93$, h =78 , x =7 , y =0 , v =7254



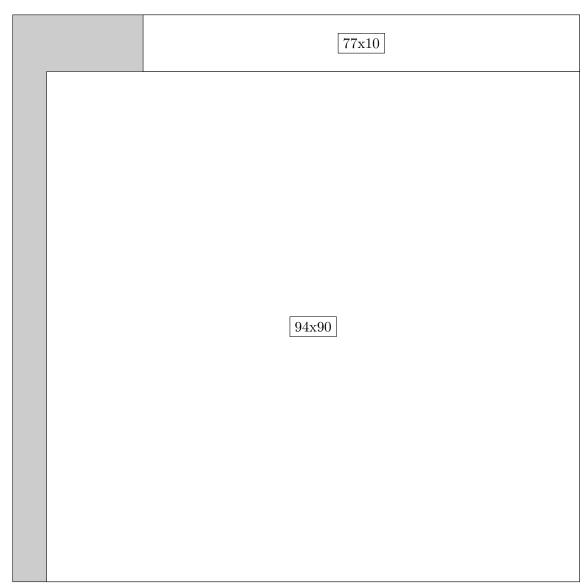
 $\le =98$, h =64 , x =2 , y =0 , v =6272



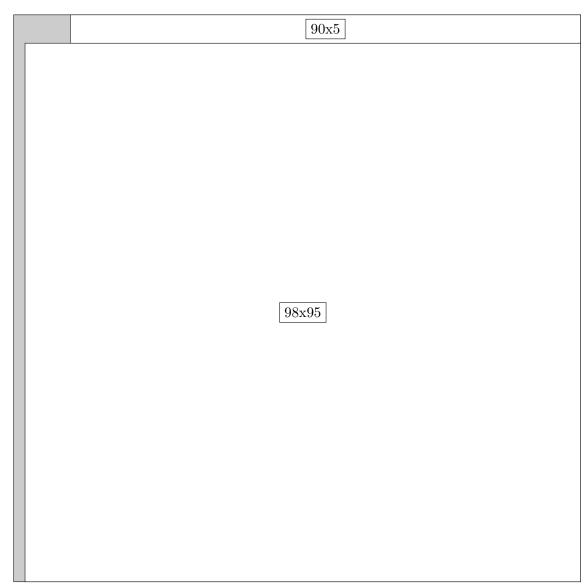
 $\le =97$, h =59 , x =3 , y =0 , v =5723

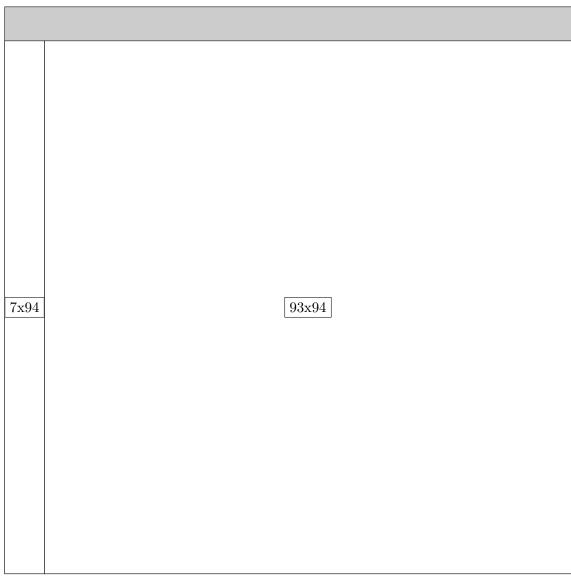


=97 , h =61 , x =3 , y =0 , v =5917

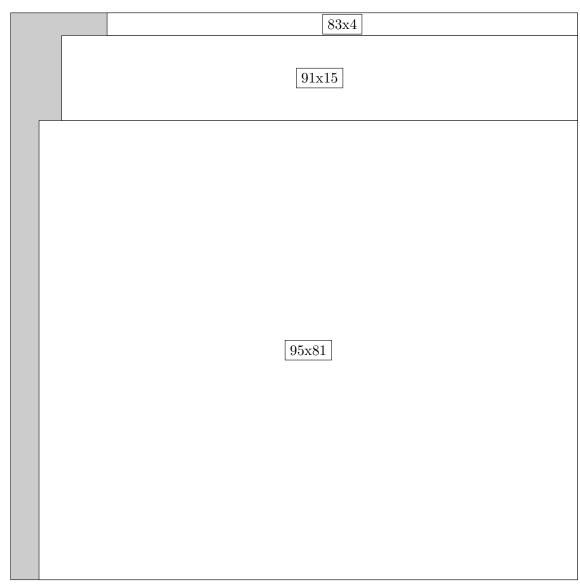


$$\begin{array}{c} w = \! 94 \; , \; h = \! 90 \; , \; x = \! 6 \; , \; y = \! 0 \; , \; v = \! 8460 \\ w = \! 77 \; , \; h = \! 10 \; , \; x = \! 23 \; , \; y = \! 90 \; , \; v = \! 770 \\ \end{array}$$

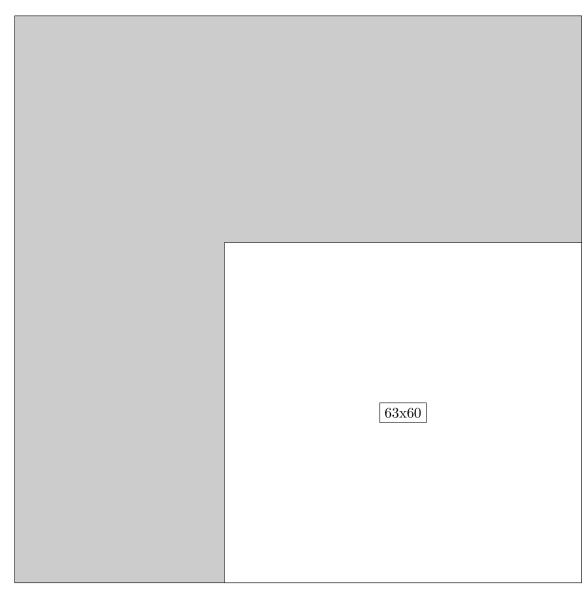




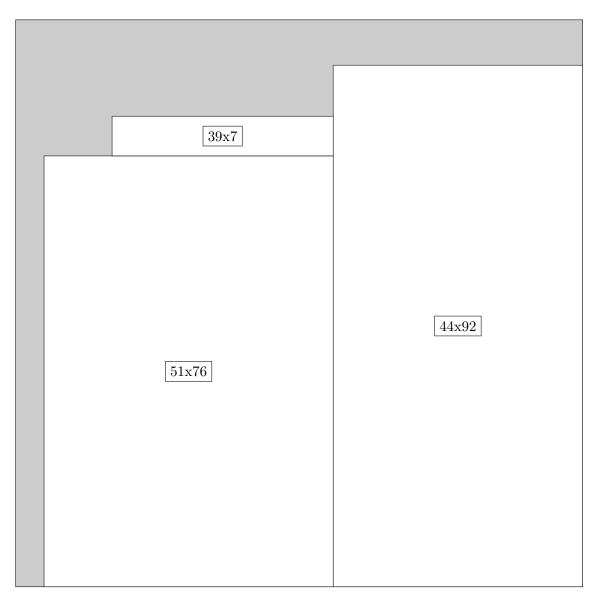
w =93, h =94, x =7, y =0, v =8742 w =7, h =94, x =0, y =0, v =658



$$\begin{array}{l} w = \! 95 \ , \ h = \! 81 \ , \ x = \! 5 \ , \ y = \! 0 \ , \ v = \! 7695 \\ w = \! 91 \ , \ h = \! 15 \ , \ x = \! 9 \ , \ y = \! 81 \ , \ v = \! 1365 \\ w = \! 83 \ , \ h = \! 4 \ , \ x = \! 17 \ , \ y = \! 96 \ , \ v = \! 332 \end{array}$$



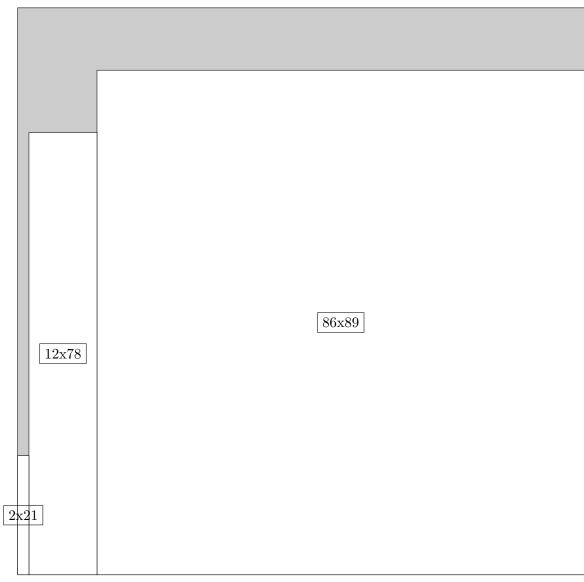
 $\le =63$, h=60 , x=37 , y=0 , v=3780



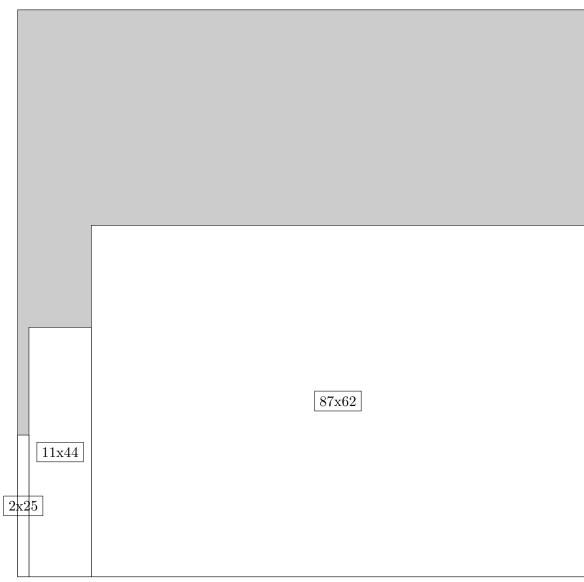
$$\mathbf{w}$$
 =44 , h =92 , x =56 , y =0 , v =4048

$$\le =51$$
 , h =76 , x =5 , y =0 , v =3876

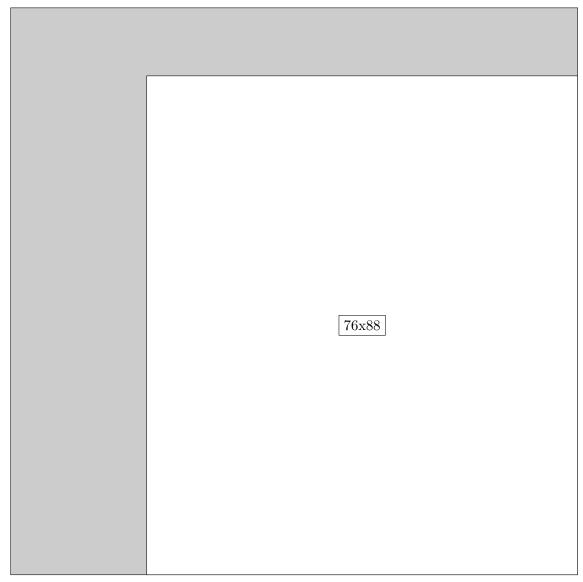
$$\le =39$$
 , $h=7$, $x=17$, $y=76$, $v=273$



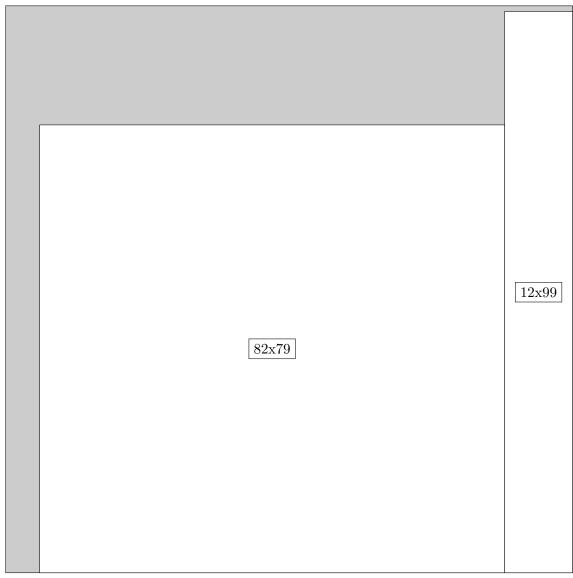
 $\begin{array}{l} w = \!\!86 \ , \ h = \!\!89 \ , \ x = \!\!14 \ , \ y = \!\!0 \ , \ v = \!\!7654 \\ w = \!\!12 \ , \ h = \!\!78 \ , \ x = \!\!2 \ , \ y = \!\!0 \ , \ v = \!\!936 \\ w = \!\!2 \ , \ h = \!\!21 \ , \ x = \!\!0 \ , \ y = \!\!0 \ , \ v = \!\!42 \end{array}$



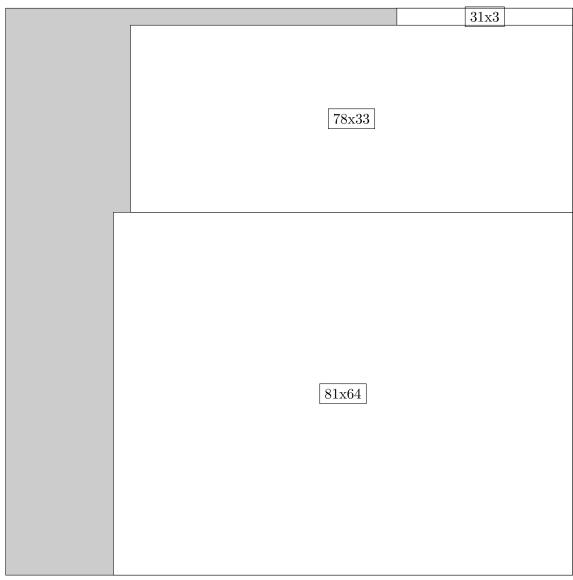
 $\begin{array}{l} w = \! 87 \ , \ h = \! 62 \ , \ x = \! 13 \ , \ y = \! 0 \ , \ v = \! 5394 \\ w = \! 11 \ , \ h = \! 44 \ , \ x = \! 2 \ , \ y = \! 0 \ , \ v = \! 484 \\ w = \! 2 \ , \ h = \! 25 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 50 \end{array}$



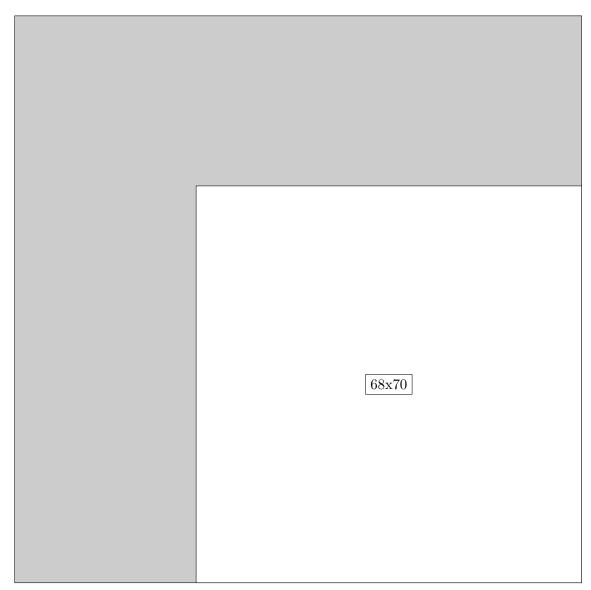
 $\le =76$, h =88 , x =24 , y =0 , v =6688



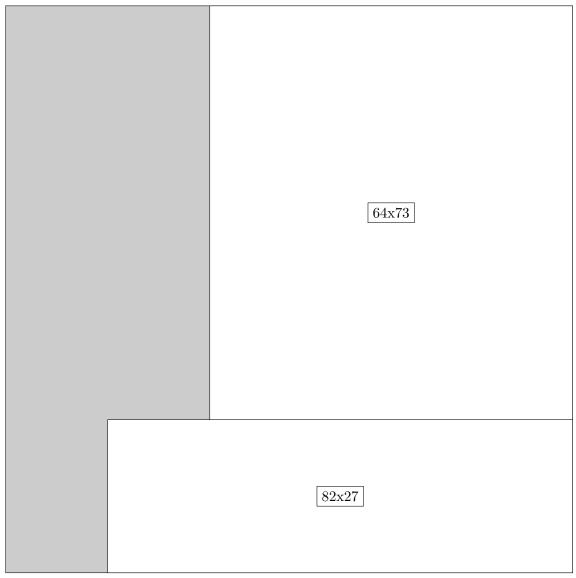
$$\begin{array}{l} w = \! 12 \ , \ h = \! 99 \ , \ x = \! 88 \ , \ y = \! 0 \ , \ v = \! 1188 \\ w = \! 82 \ , \ h = \! 79 \ , \ x = \! 6 \ , \ y = \! 0 \ , \ v = \! 6478 \end{array}$$



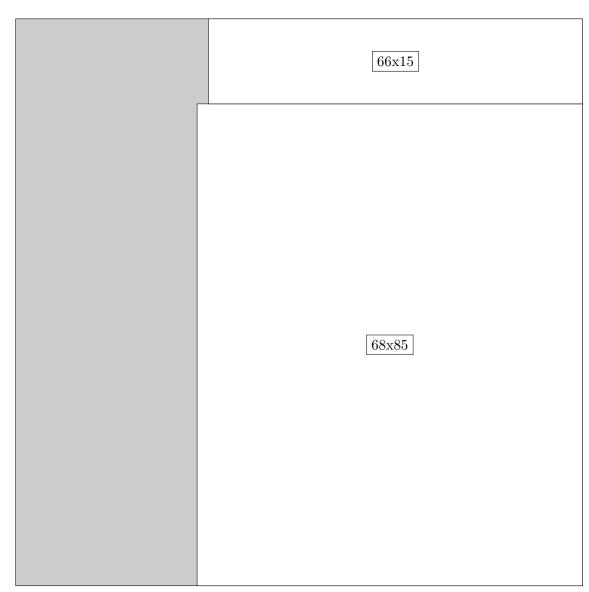
$$\begin{array}{l} w = \! 81 \; , \; h = \! 64 \; , \; x = \! 19 \; , \; y = \! 0 \; , \; v = \! 5184 \\ w = \! 78 \; , \; h = \! 33 \; , \; x = \! 22 \; , \; y = \! 64 \; , \; v = \! 2574 \\ w = \! 31 \; , \; h = \! 3 \; , \; x = \! 69 \; , \; y = \! 97 \; , \; v = \! 93 \end{array}$$



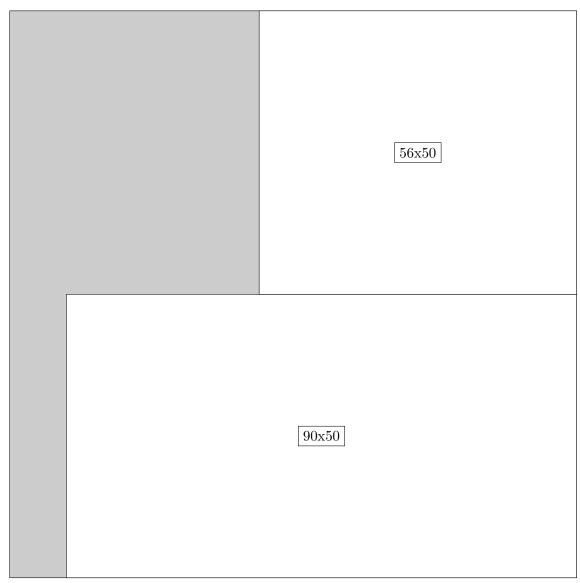
 $\le =68$, h =70 , x =32 , y =0 , v =4760



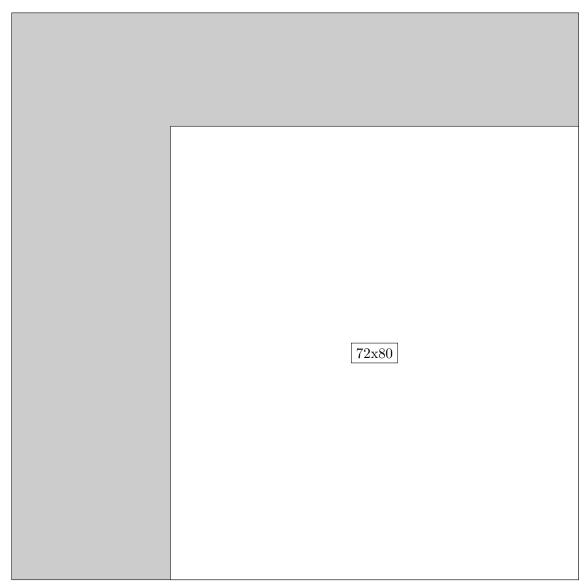
$$\begin{array}{l} w = \! 82 \ , \, h = \! 27 \ , \, x = \! 18 \ , \, y = \! 0 \ , \, v = \! 2214 \\ w = \! 64 \ , \, h = \! 73 \ , \, x = \! 36 \ , \, y = \! 27 \ , \, v = \! 4672 \end{array}$$



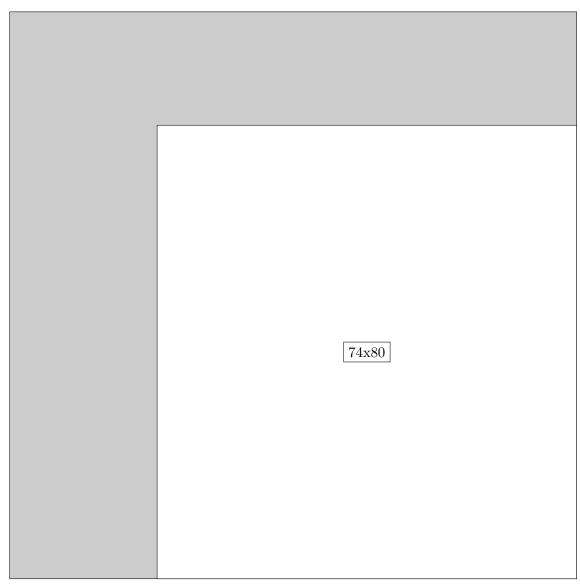
$$\begin{array}{l} w = \!68 \; , \; h = \!85 \; , \; x = \!32 \; , \; y = \!0 \; , \; v = \!5780 \\ w = \!66 \; , \; h = \!15 \; , \; x = \!34 \; , \; y = \!85 \; , \; v = \!990 \end{array}$$



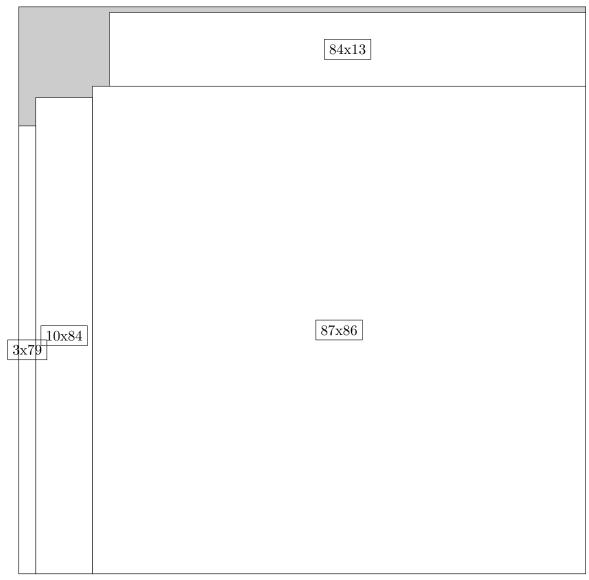
$$\begin{array}{l} w = \! 90 \; , \; h = \! 50 \; , \; x = \! 10 \; , \; y = \! 0 \; , \; v = \! 4500 \\ w = \! 56 \; , \; h = \! 50 \; , \; x = \! 44 \; , \; y = \! 50 \; , \; v = \! 2800 \end{array}$$



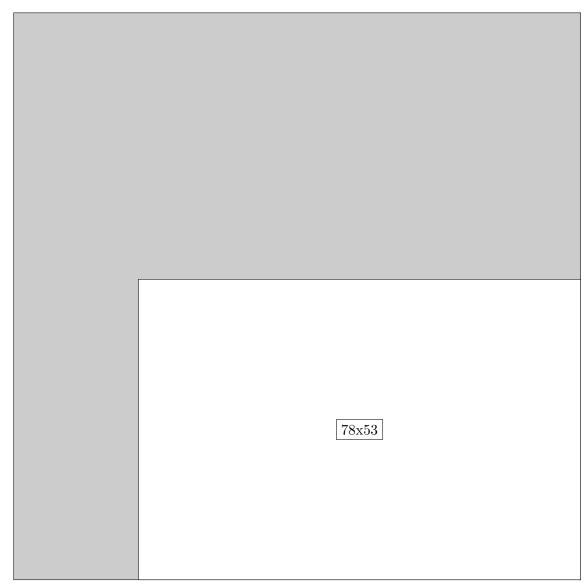
 $\le =72$, h =80 , x =28 , y =0 , v =5760



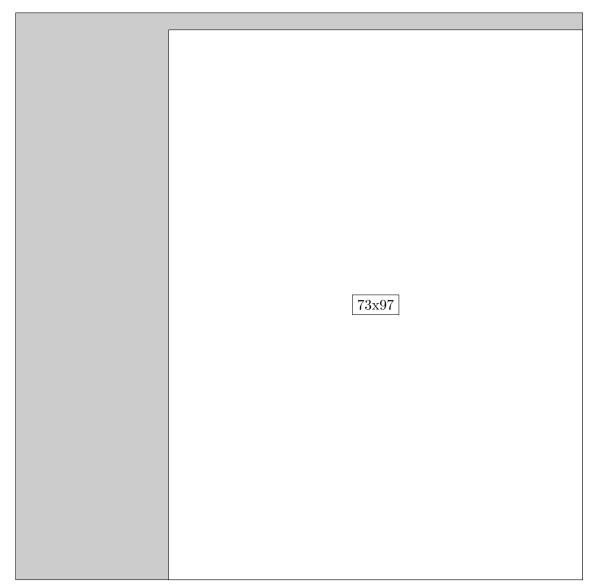
 $\le =74$, h =80 , x =26 , y =0 , v =5920



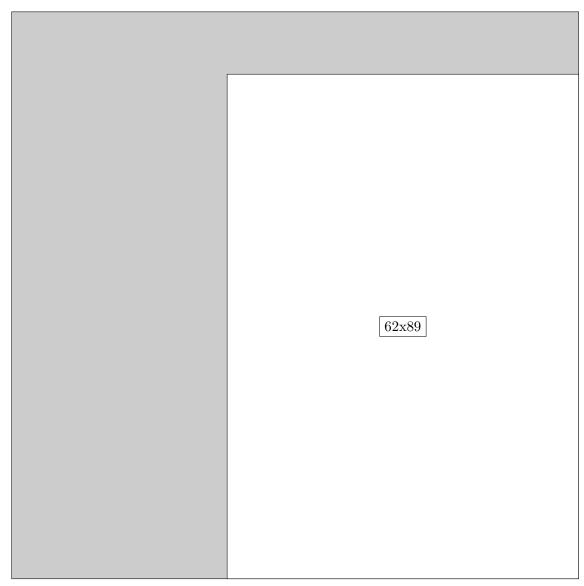
 $\begin{array}{l} w = \! 87 \;, \; h = \! 86 \;, \; x = \! 13 \;, \; y = \! 0 \;, \; v = \! 7482 \\ w = \! 10 \;, \; h = \! 84 \;, \; x = \! 3 \;, \; y = \! 0 \;, \; v = \! 840 \\ w = \! 3 \;, \; h = \! 79 \;, \; x = \! 0 \;, \; y = \! 0 \;, \; v = \! 237 \\ w = \! 84 \;, \; h = \! 13 \;, \; x = \! 16 \;, \; y = \! 86 \;, \; v = \! 1092 \end{array}$



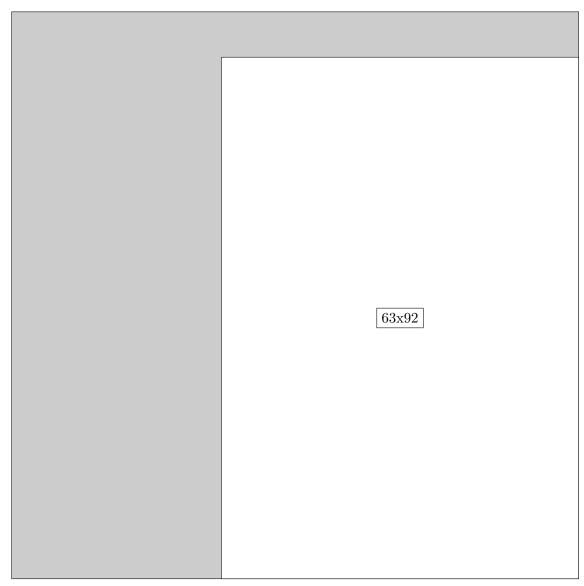
 $\le =78$, h =53 , x =22 , y =0 , v =4134



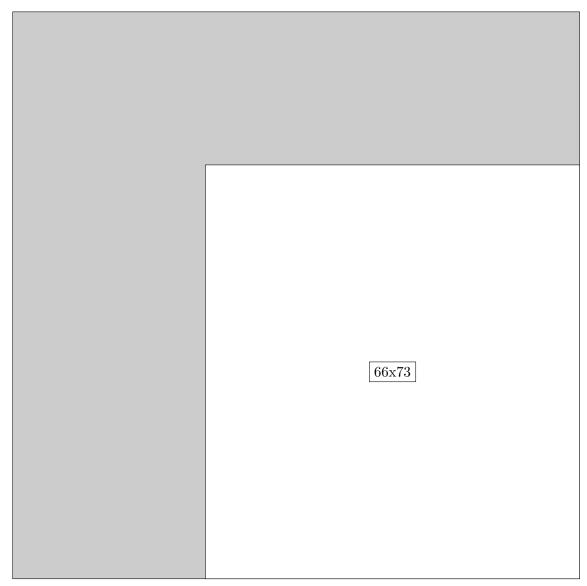
 $\le =73$, h =97 , x =27 , y =0 , v =7081



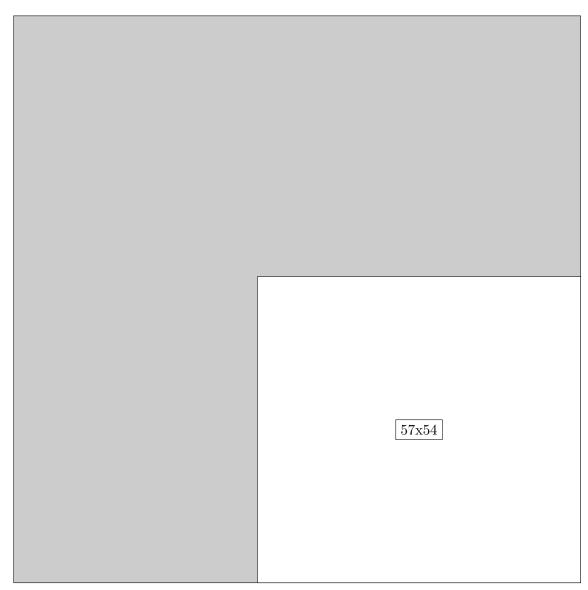
 $\le =62$, h =89 , x =38 , y =0 , v =5518



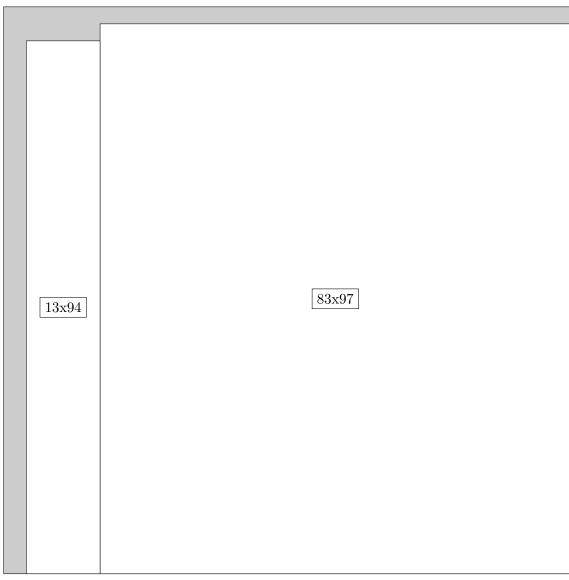
 $\le =63$, h =92 , x =37 , y =0 , v =5796



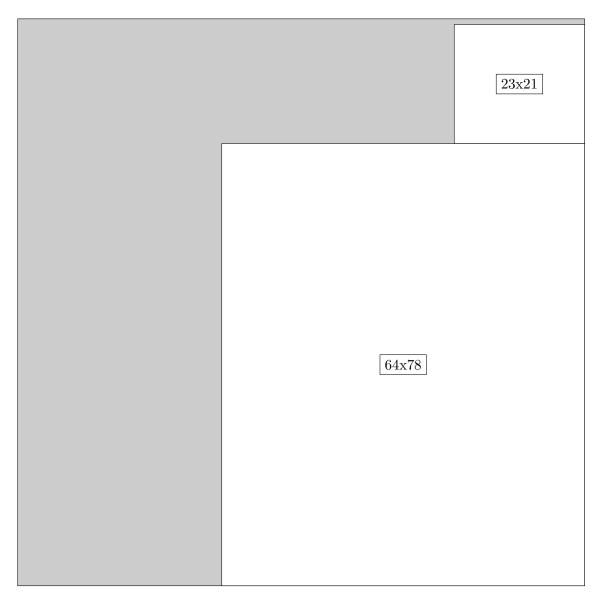
 $\le =66$, h =73 , x =34 , y =0 , v =4818



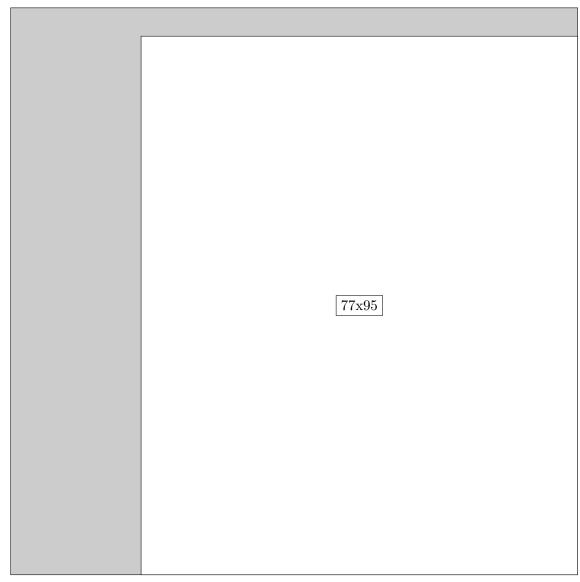
 ≤ 57 , h = 54 , x = 43 , y = 0 , v = 3078



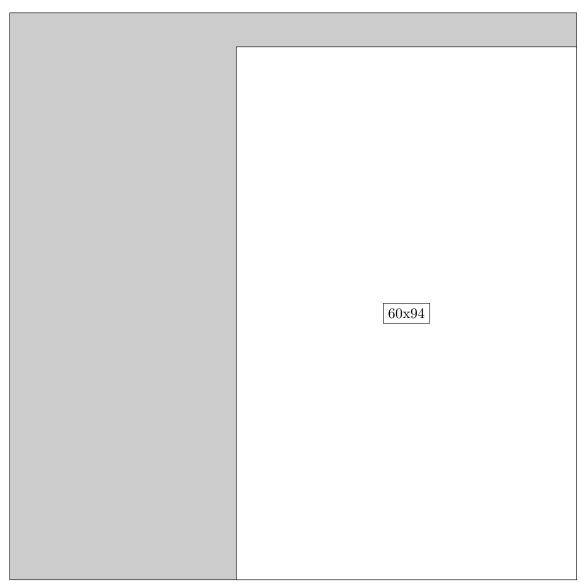
 $\begin{array}{l} w = \! 83 \ , \ h = \! 97 \ , \ x = \! 17 \ , \ y = \! 0 \ , \ v = \! 8051 \\ w = \! 13 \ , \ h = \! 94 \ , \ x = \! 4 \ , \ y = \! 0 \ , \ v = \! 1222 \end{array}$



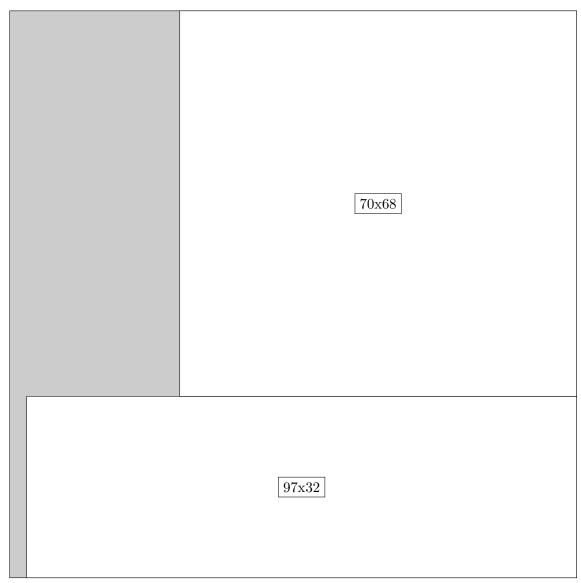
$$\begin{array}{l} w = \!64 \; , \; h = \!78 \; , \; x = \!36 \; , \; y = \!0 \; , \; v = \!4992 \\ w = \!23 \; , \; h = \!21 \; , \; x = \!77 \; , \; y = \!78 \; , \; v = \!483 \end{array}$$



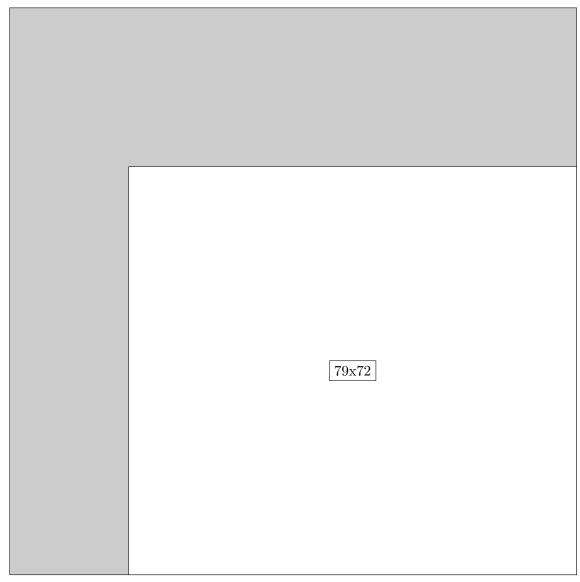
 $\le =77$, h =95 , x =23 , y =0 , v =7315



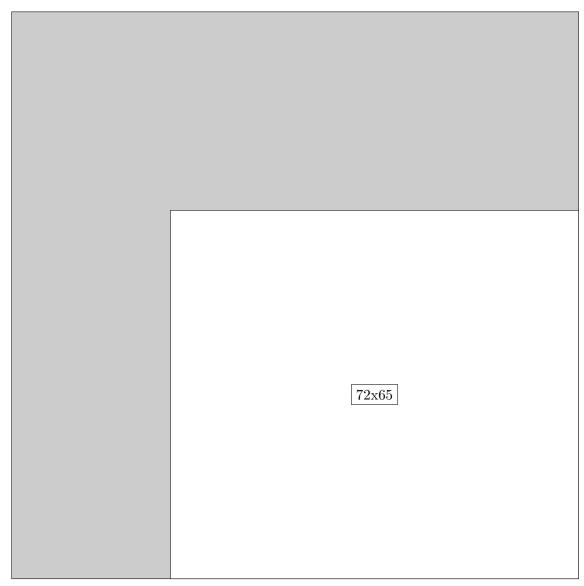
 $\le =60$, h =94 , x =40 , y =0 , v = 5640



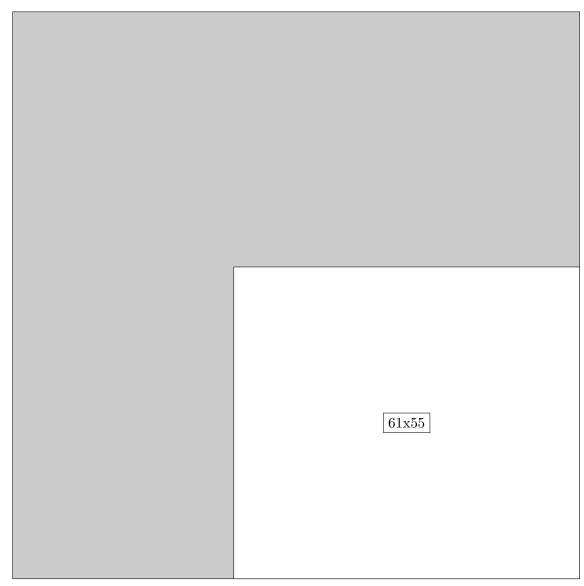
$$\begin{array}{l} w = \! 97 \; , \; h = \! 32 \; , \; x = \! 3 \; , \; y = \! 0 \; , \; v = \! 3104 \\ w = \! 70 \; , \; h = \! 68 \; , \; x = \! 30 \; , \; y = \! 32 \; , \; v = \! 4760 \\ \end{array}$$



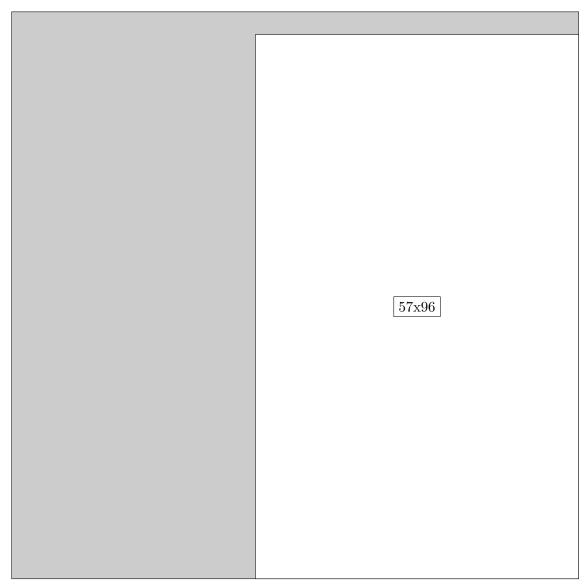
 $\le =79$, h =72 , x =21 , y =0 , v =5688



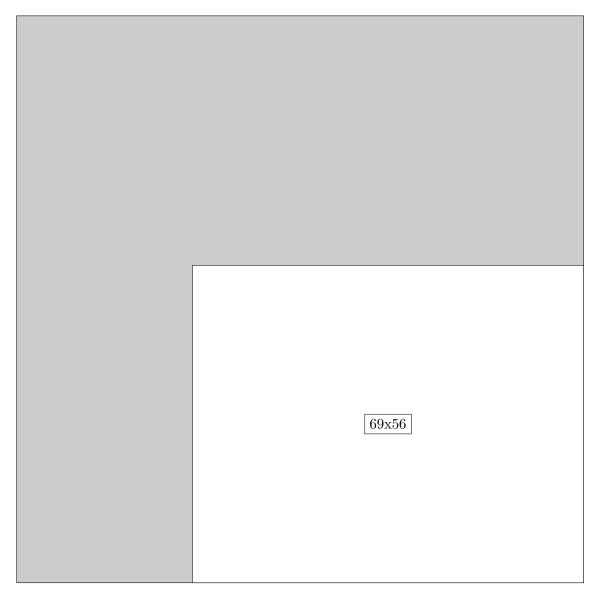
 $\le =72$, h =65 , x =28 , y =0 , v =4680



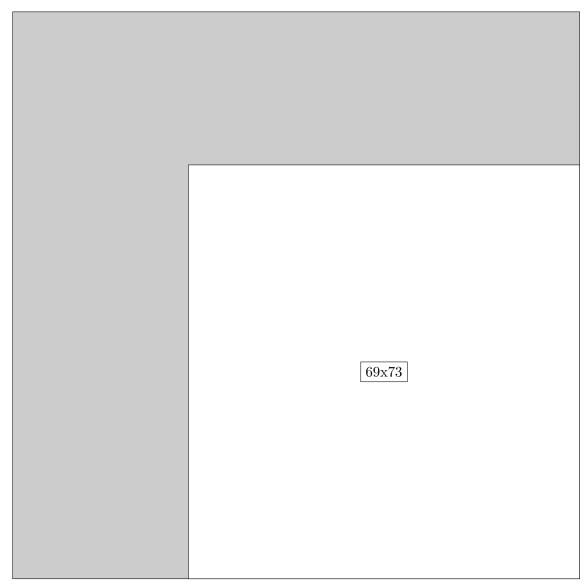
 $\le =61$, h=55 , x=39 , y=0 , v=3355



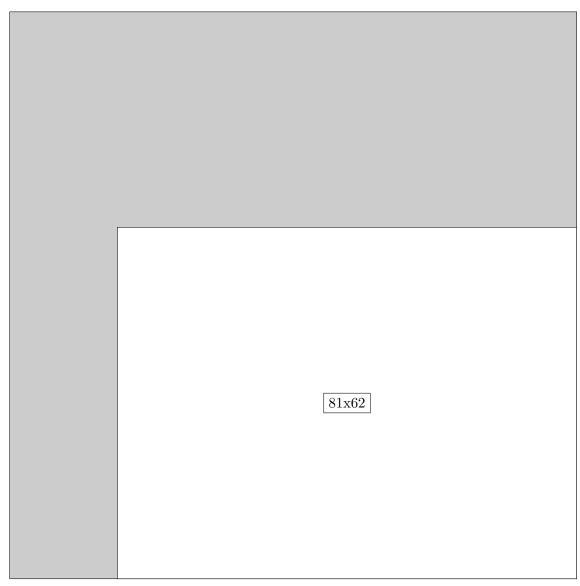
 $\le =57$, h =96 , x =43 , y =0 , v = 5472



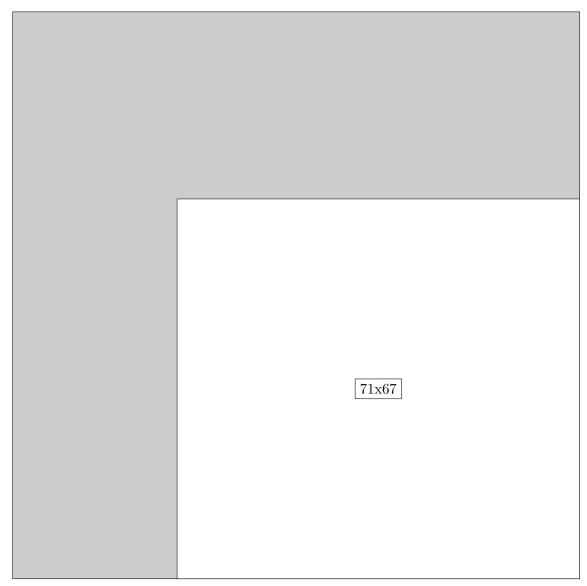
 $\le =69$, h = 56 , x = 31 , y = 0 , v = 3864



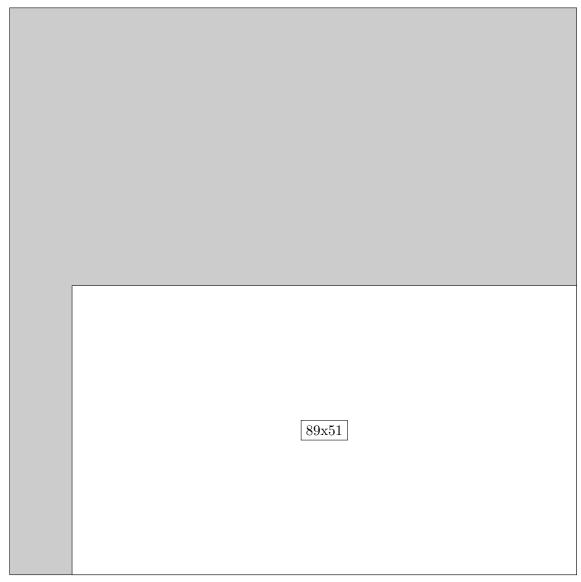
 $\le =69$, h =73 , x =31 , y =0 , v =5037



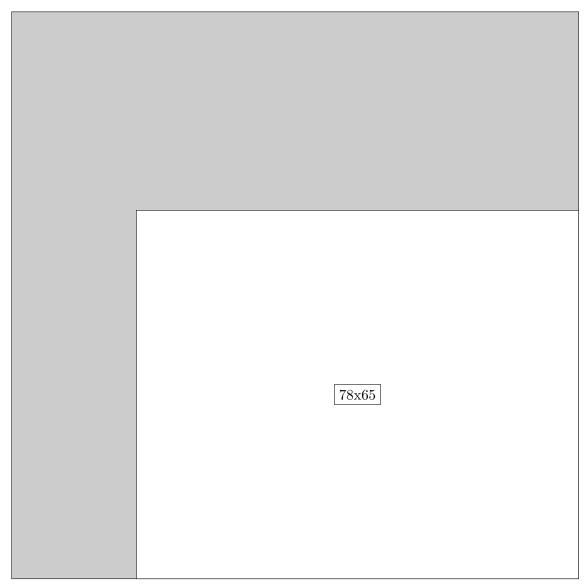
 $\le =81$, h =62 , x =19 , y =0 , v = 5022



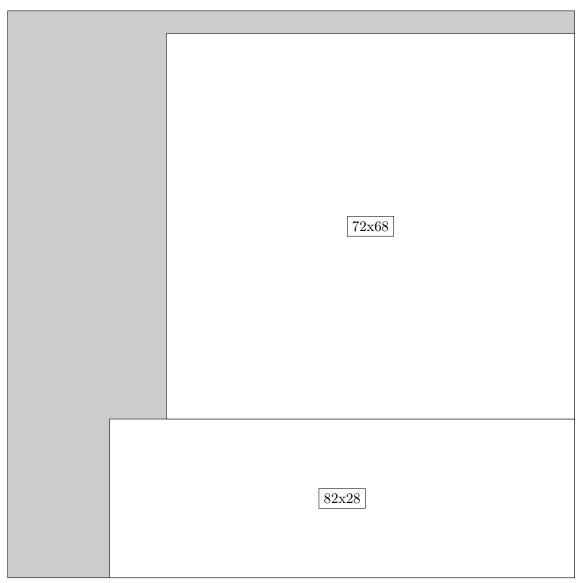
 $\le =71$, h=67 , x=29 , y=0 , v=4757



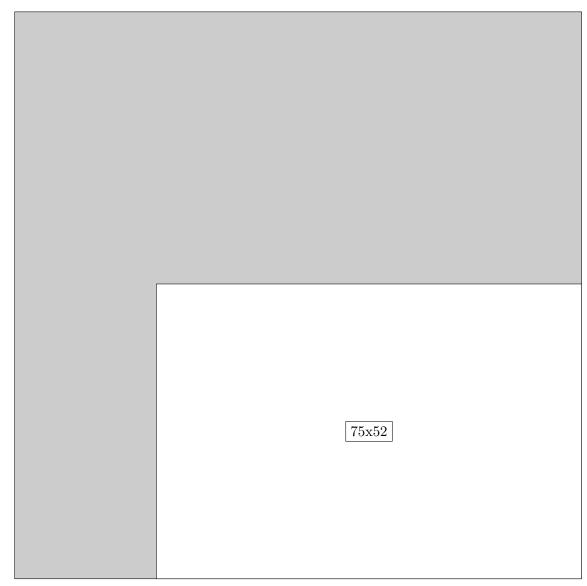
 $\le =89$, h =51 , x =11 , y =0 , v =4539



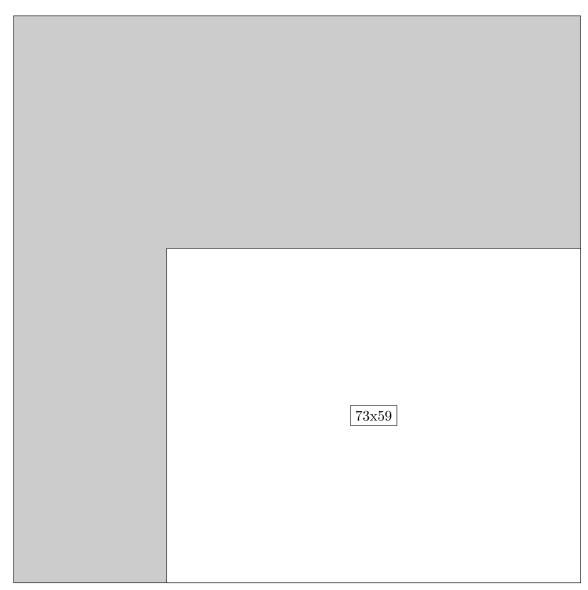
 ≤ -78 , h =65 , x =22 , y =0 , v =5070



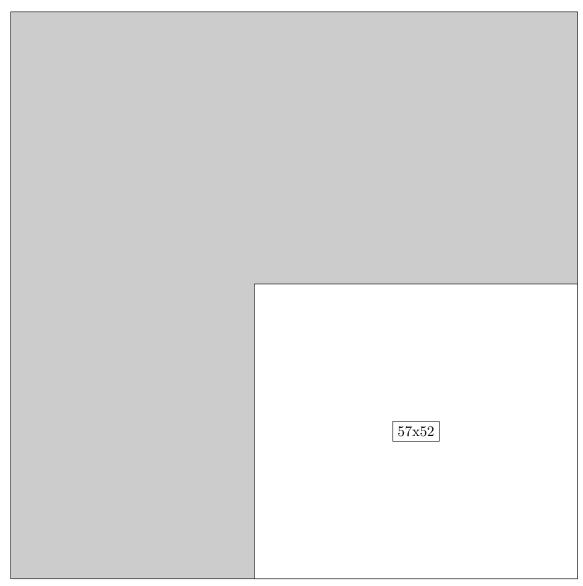
$$\begin{array}{l} w = \! 82 \; , \; h = \! 28 \; , \; x = \! 18 \; , \; y = \! 0 \; , \; v = \! 2296 \\ w = \! 72 \; , \; h = \! 68 \; , \; x = \! 28 \; , \; y = \! 28 \; , \; v = \! 4896 \end{array}$$



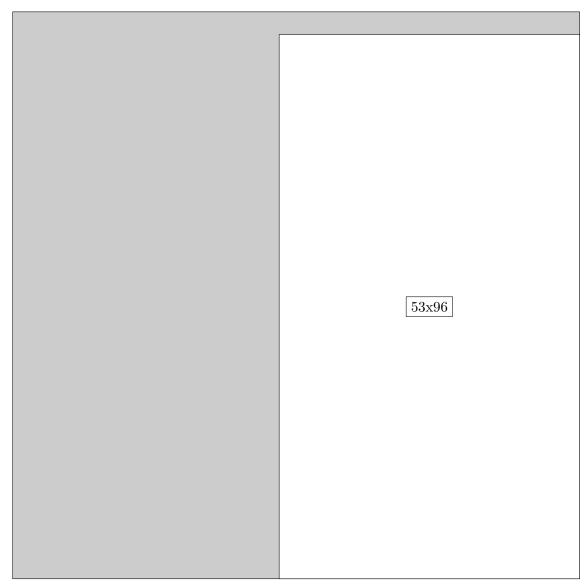
 $\le =75$, h =52 , x =25 , y =0 , v =3900



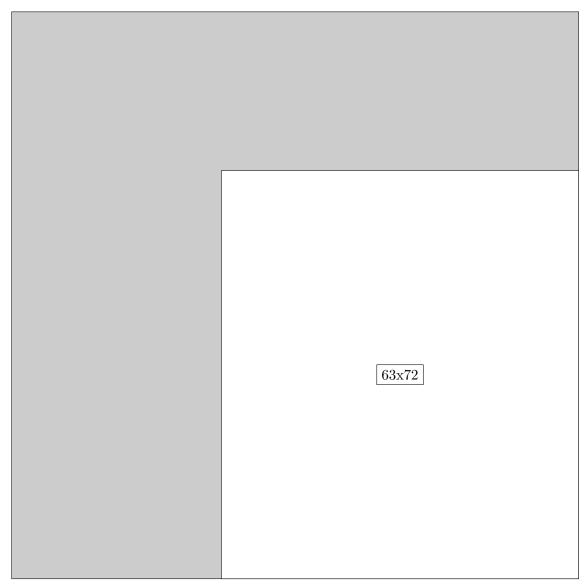
 $\le =73$, h =59 , x =27 , y =0 , v =4307



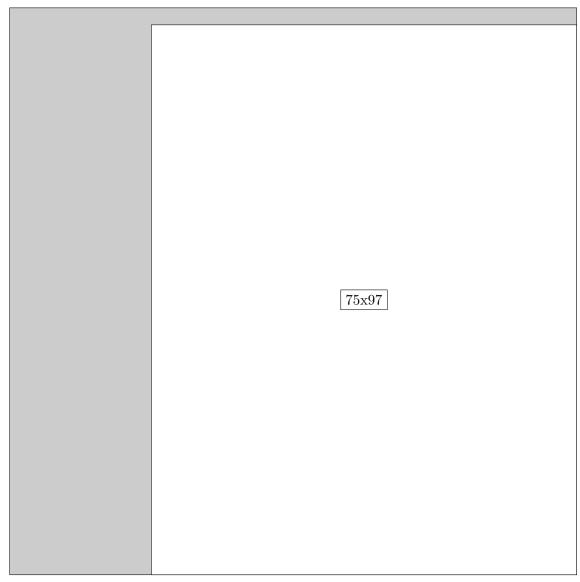
 ≤ 57 , h = 52 , x = 43 , y = 0 , v = 2964



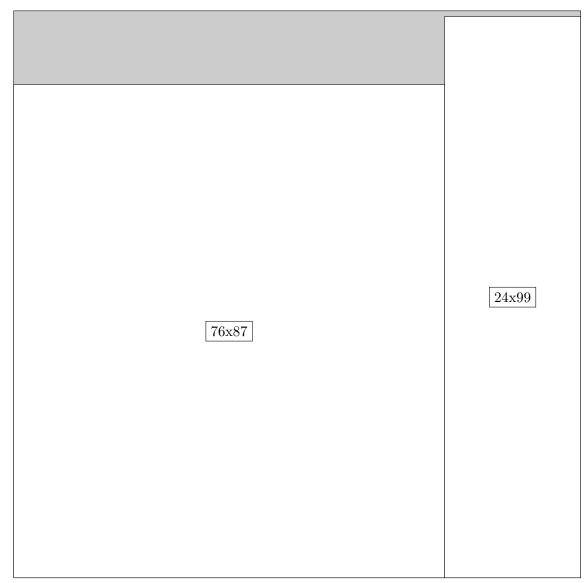
 $\le =53$, h =96 , x =47 , y =0 , v =5088



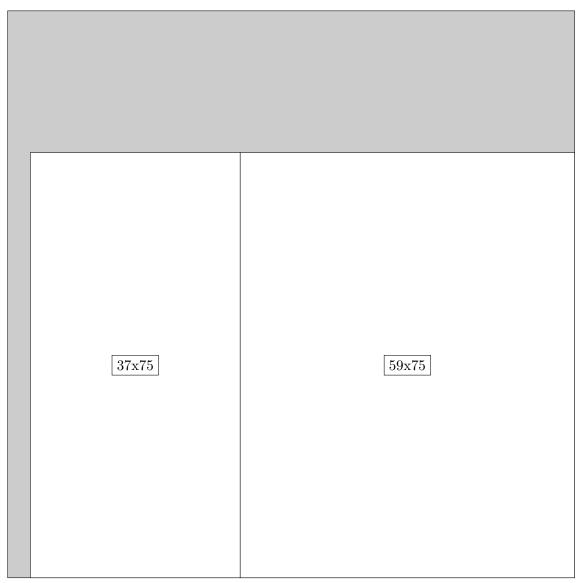
 $\le =63$, h =72 , x =37 , y =0 , v =4536



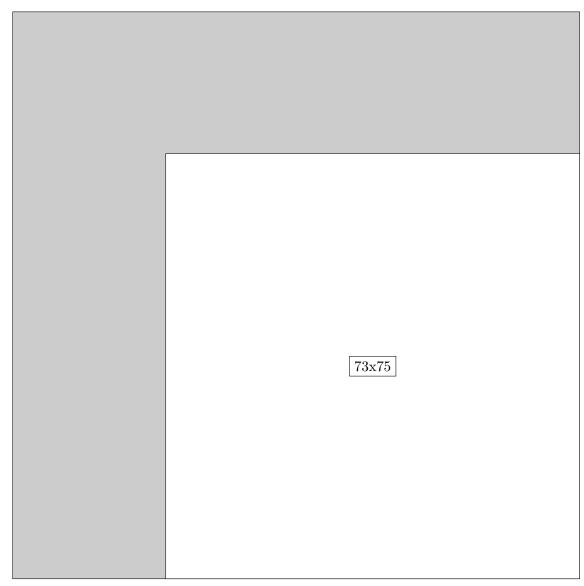
 $\le =75$, h =97 , x =25 , y =0 , v =7275



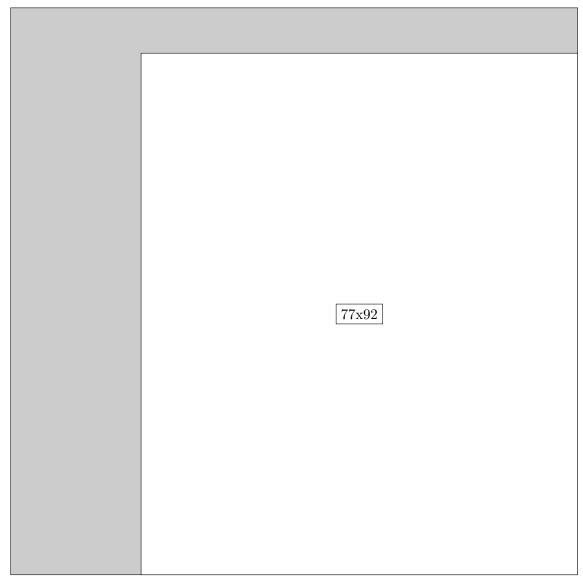
$$\begin{array}{l} w = \! 24 \ , \ h = \! 99 \ , \ x = \! 76 \ , \ y = \! 0 \ , \ v = \! 2376 \\ w = \! 76 \ , \ h = \! 87 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 6612 \end{array}$$



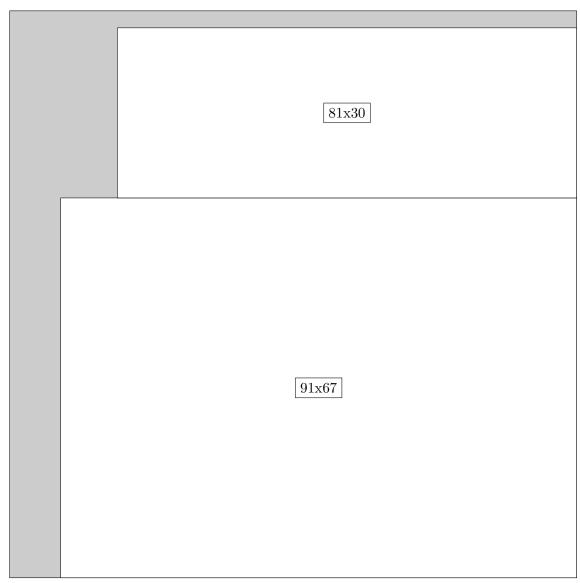
 $\begin{array}{l} w = \!59 \ , \ h = \!75 \ , \ x = \!41 \ , \ y = \!0 \ , \ v = \!4425 \\ w = \!37 \ , \ h = \!75 \ , \ x = \!4 \ , \ y = \!0 \ , \ v = \!2775 \end{array}$



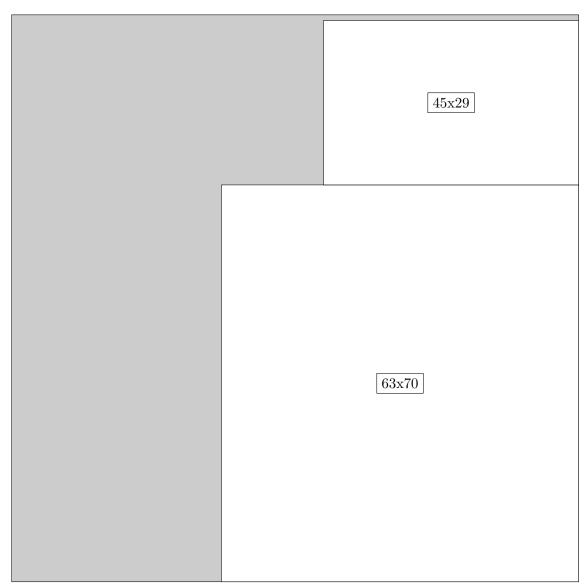
 $\le =73$, h =75 , x =27 , y =0 , v =5475



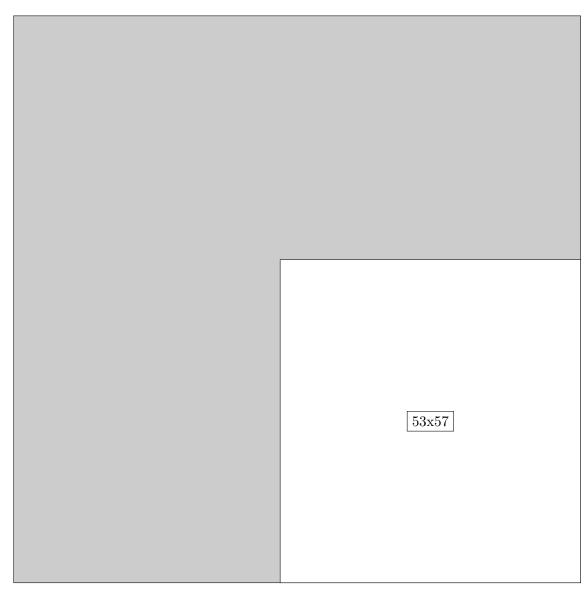
 $\le =77$, h =92 , x =23 , y =0 , v =7084



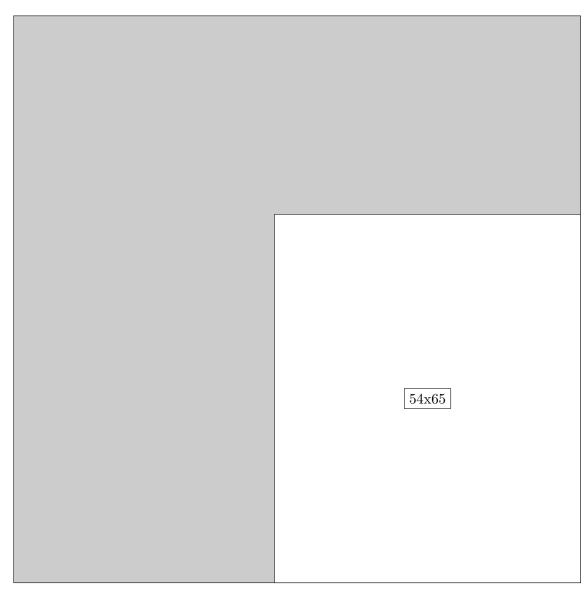
$$\begin{array}{l} w = \! 91 \; , \; h = \! 67 \; , \; x = \! 9 \; , \; y = \! 0 \; , \; v = \! 6097 \\ w = \! 81 \; , \; h = \! 30 \; , \; x = \! 19 \; , \; y = \! 67 \; , \; v = \! 2430 \end{array}$$



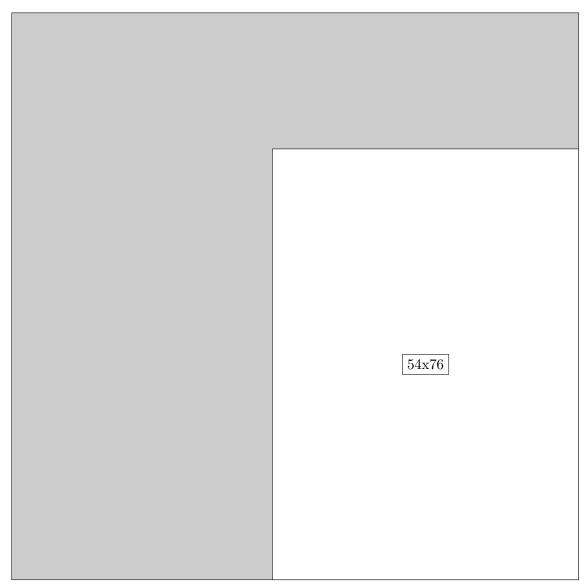
$$\begin{array}{l} w = \!63 \; , \; h = \!70 \; , \; x = \!37 \; , \; y = \!0 \; , \; v = \!4410 \\ w = \!45 \; , \; h = \!29 \; , \; x = \!55 \; , \; y = \!70 \; , \; v = \!1305 \end{array}$$



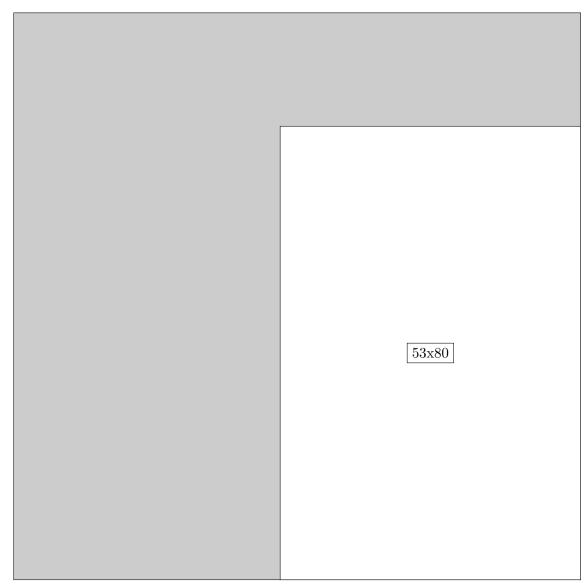
 $\le =53$, h =57 , x =47 , y =0 , v =3021



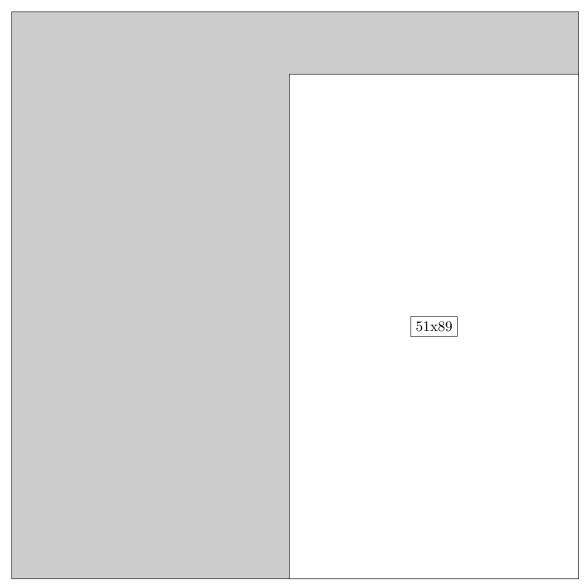
 $\le =54$, h=65 , x=46 , y=0 , v=3510



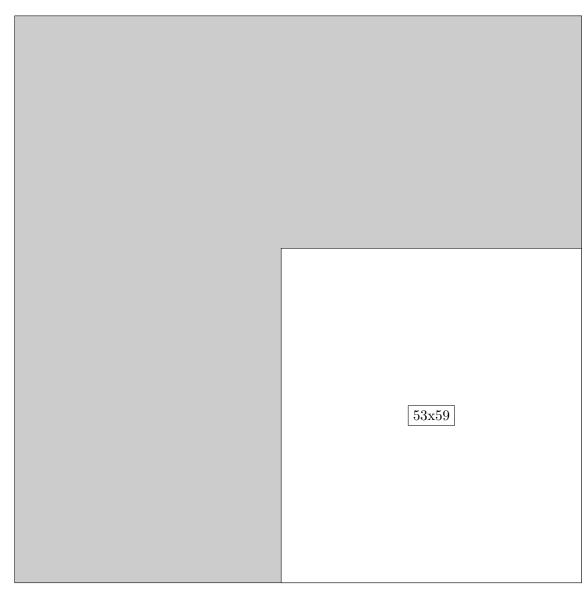
 ≤ 54 , h =76 , x =46 , y =0 , v =4104



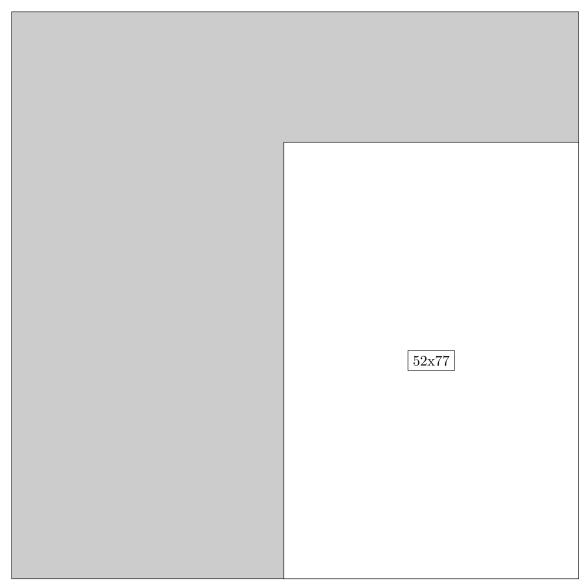
 $\le =53$, h =80 , x =47 , y =0 , v =4240



 $\le =51$, h =89 , x =49 , y =0 , v =4539



 $\le =53$, h =59 , x =47 , y =0 , v =3127



 ≤ -52 , h = 77 , x = 48 , y = 0 , v = 4004