${\bf ClassName:}~{\bf Class_09.2bp\text{-}20}$

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

TypeNum: <u>59</u> Num: <u>60</u> OutS: <u>460000</u> InS: <u>292882</u> Rate: <u>0.637</u> UB: <u>46</u> LB0: <u>46</u>

LBWithCut: $\underline{\mathbf{46}}$ NodeCut: $\underline{\mathbf{0}}$

LB: **46**

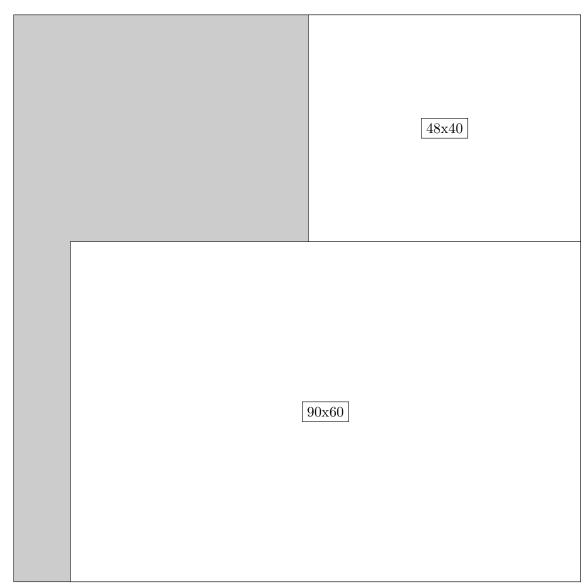
ExtendedNodeCnt: $\underline{\mathbf{1}}$

GenNodeCnt: $\underline{\mathbf{1}}$ PrimalNode: $\underline{\mathbf{0}}$ ColumnCount: $\underline{\mathbf{46}}$ TotalCutCount: $\underline{\mathbf{0}}$ RootCutCount: $\underline{\mathbf{0}}$ LPSolverCnt: $\underline{\mathbf{1}}$ PricingSolverCnt: $\underline{\mathbf{0}}$ BranchAndBoundNum: $\underline{\mathbf{1}}$

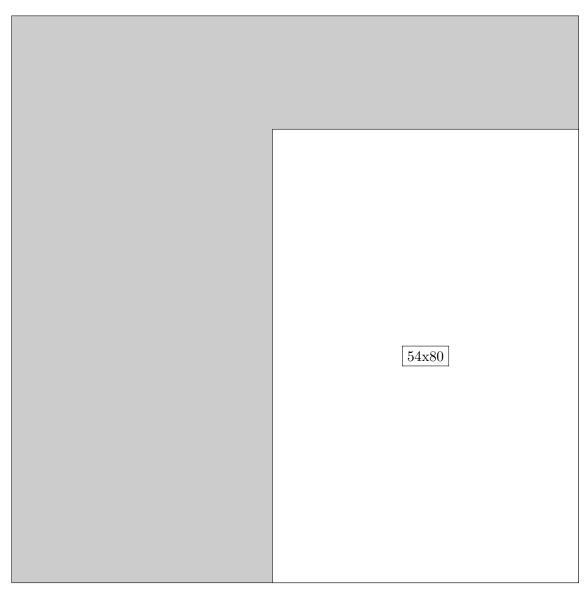
isOpt: **true**

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

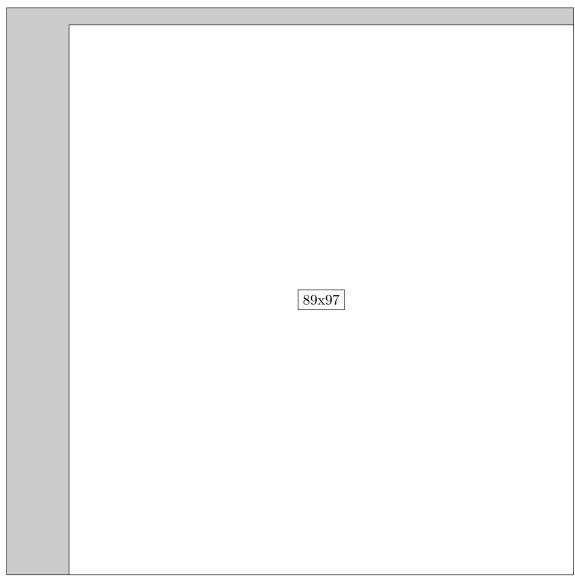
TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.062 sTotalTime: 600.312 s



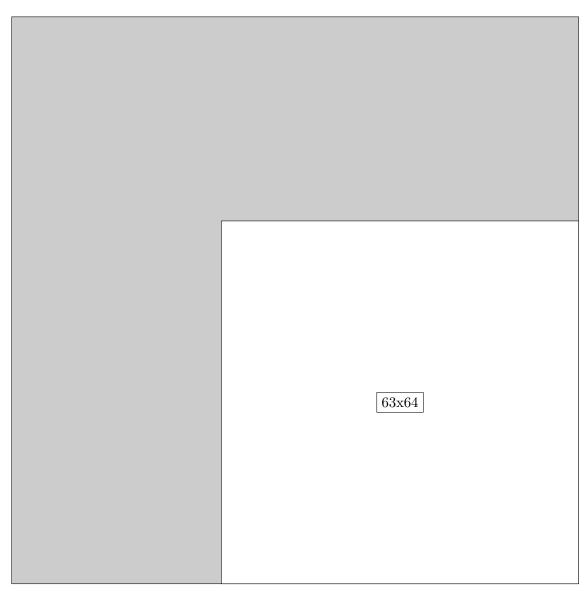
$$\begin{array}{l} w = \! 90 \ , \, h = \! 60 \ , \, x = \! 10 \ , \, y = \! 0 \ , \, v = \! 5400 \\ w = \! 48 \ , \, h = \! 40 \ , \, x = \! 52 \ , \, y = \! 60 \ , \, v = \! 1920 \end{array}$$



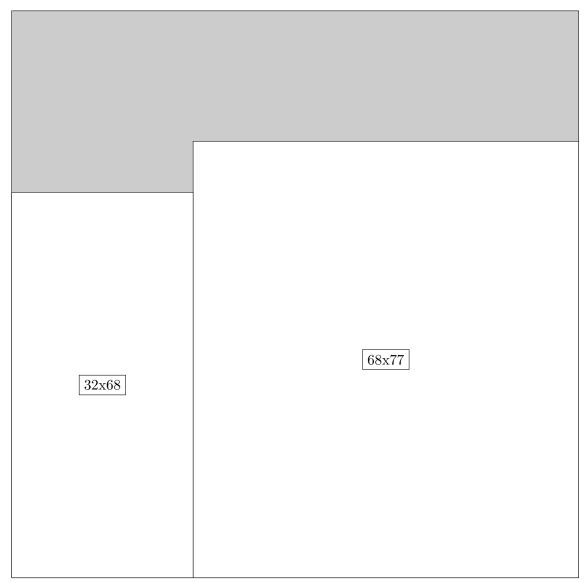
 $\le =54$, h =80 , x =46 , y =0 , v =4320



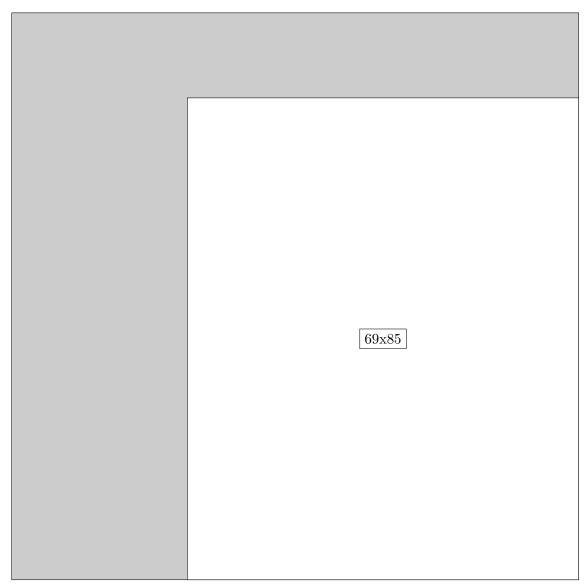
 $\le =89$, h =97 , x =11 , y =0 , v =8633



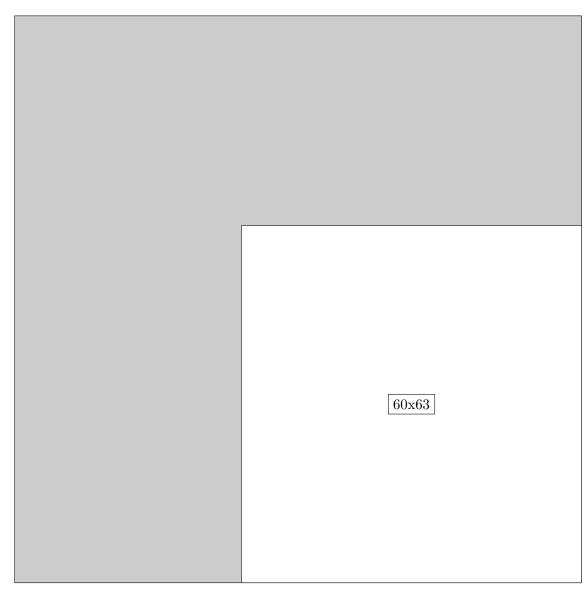
 $\le =63$, h=64 , x=37 , y=0 , v=4032



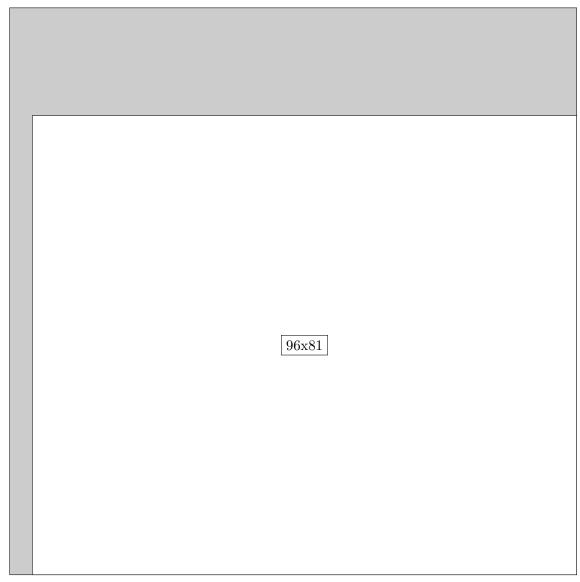
$$\begin{array}{l} w = \!68 \; , \; h = \!77 \; , \; x = \!32 \; , \; y = \!0 \; , \; v = \!5236 \\ w = \!32 \; , \; h = \!68 \; , \; x = \!0 \; , \; y = \!0 \; , \; v = \!2176 \end{array}$$



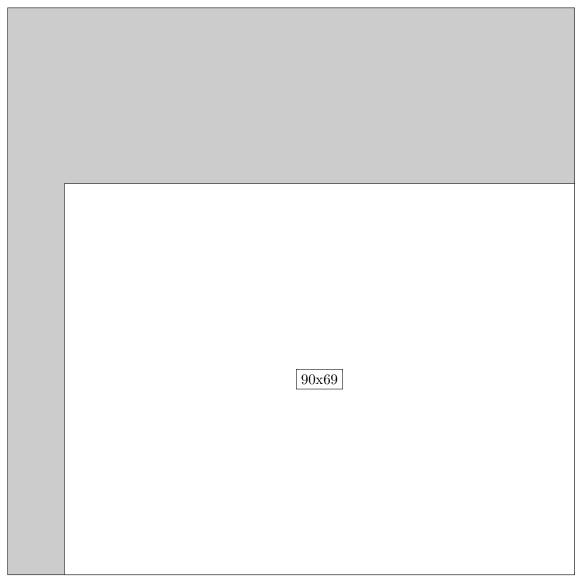
 $\le =69$, h =85 , x =31 , y =0 , v =5865



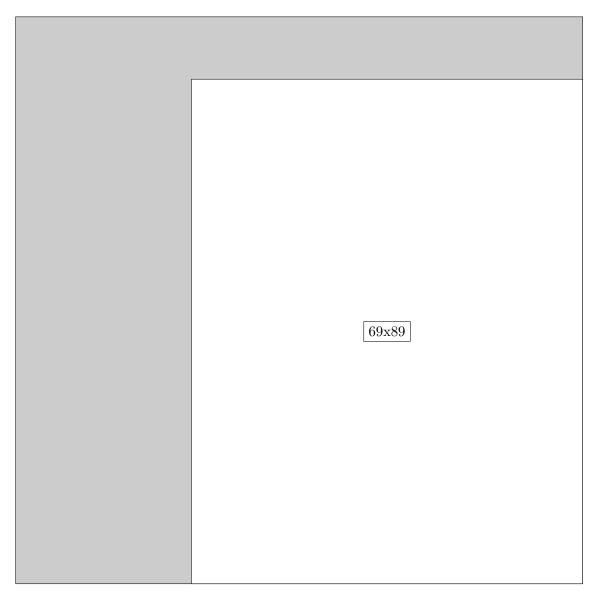
 $\le =60$, h =63 , x =40 , y =0 , v =3780



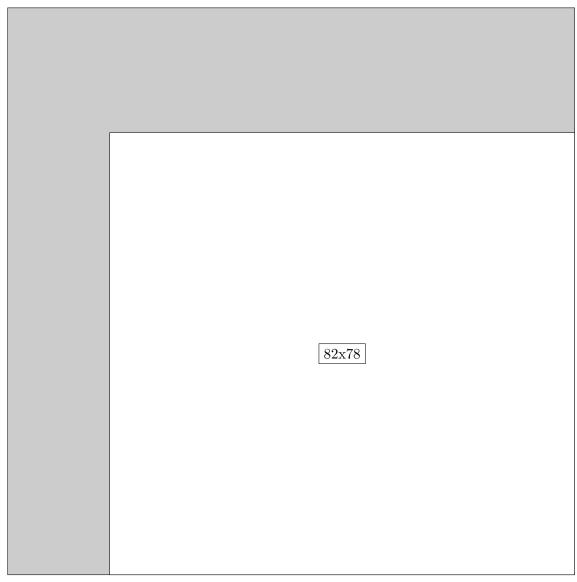
 $\le =96$, h =81 , x =4 , y =0 , v =7776



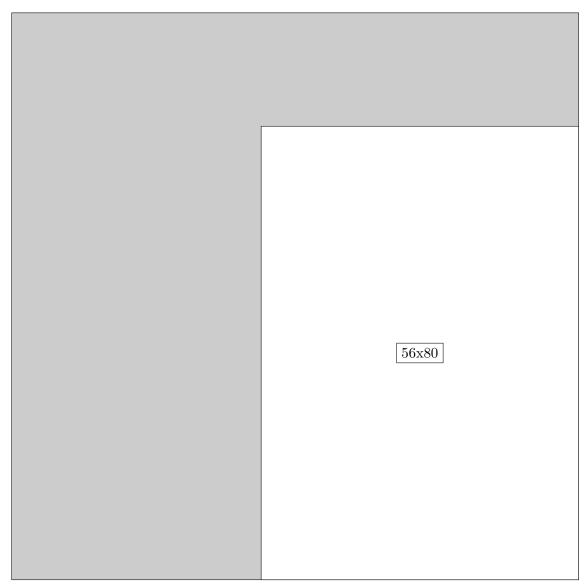
 $\le =90$, h =69 , x =10 , y =0 , v =6210



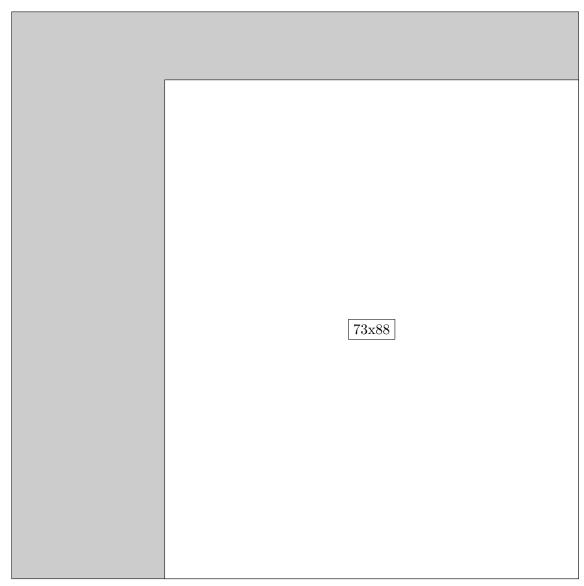
 $\le =69$, h =89 , x =31 , y =0 , v =6141



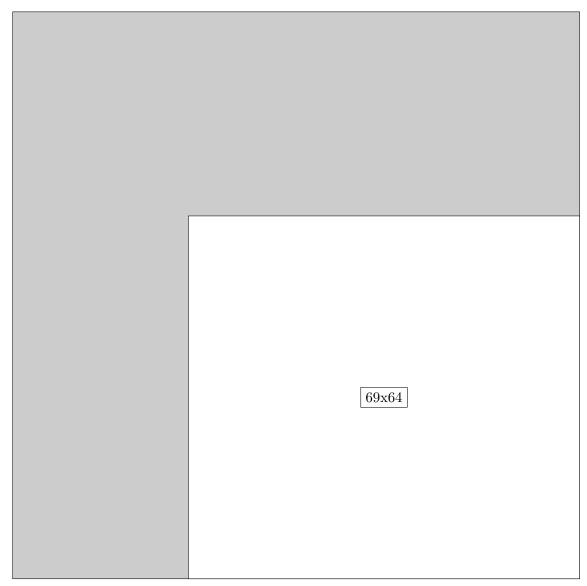
 $\le =82$, h =78 , x =18 , y =0 , v =6396



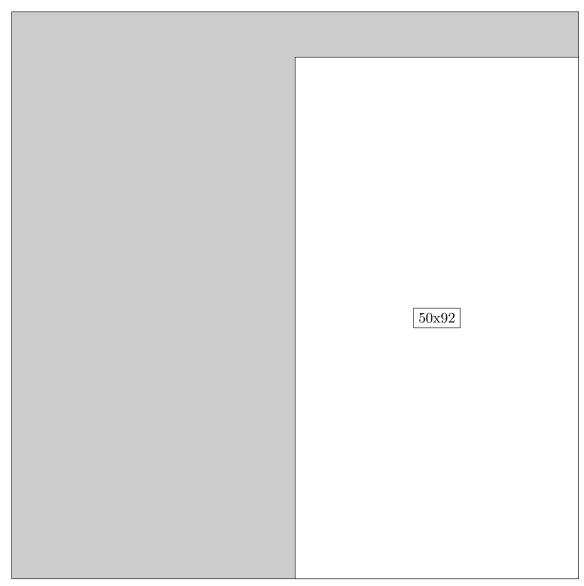
 $\le =56$, h =80 , x =44 , y =0 , v =4480



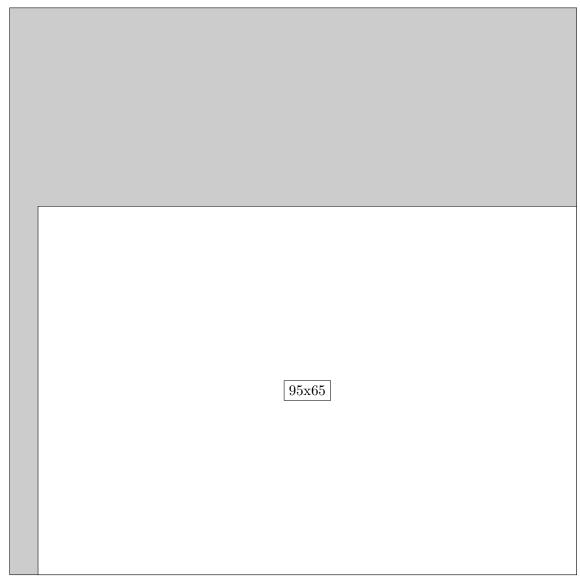
 $\le =73$, h =88 , x =27 , y =0 , v =6424



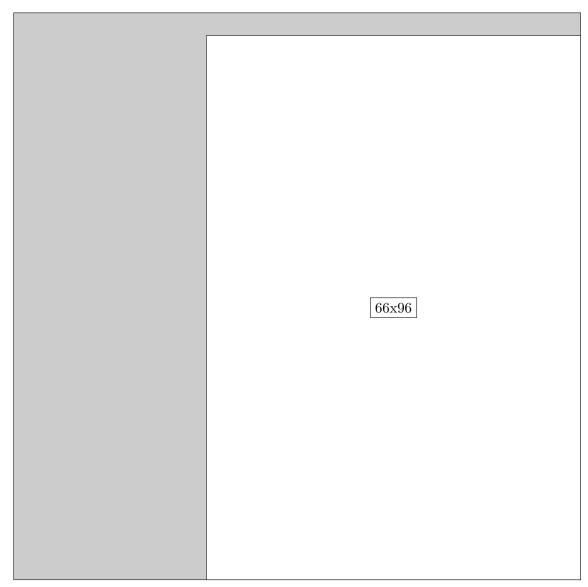
 $\le =69$, h =64 , x =31 , y =0 , v =4416



 $\le =50$, h =92 , x =50 , y =0 , v =4600



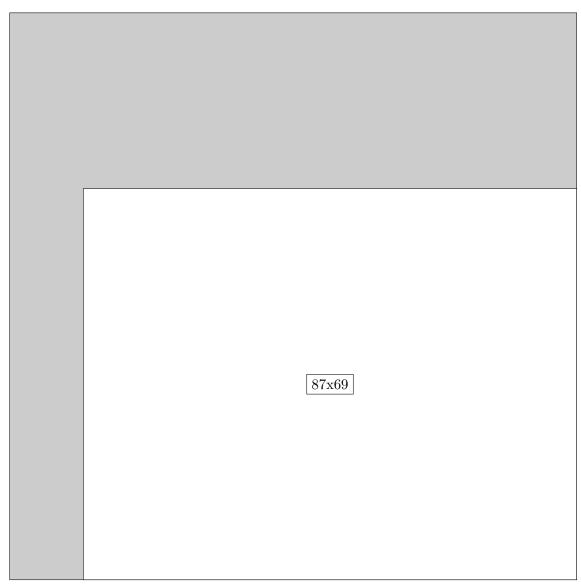
 $\le =95$, = =65 , = =5 , = = = =6175



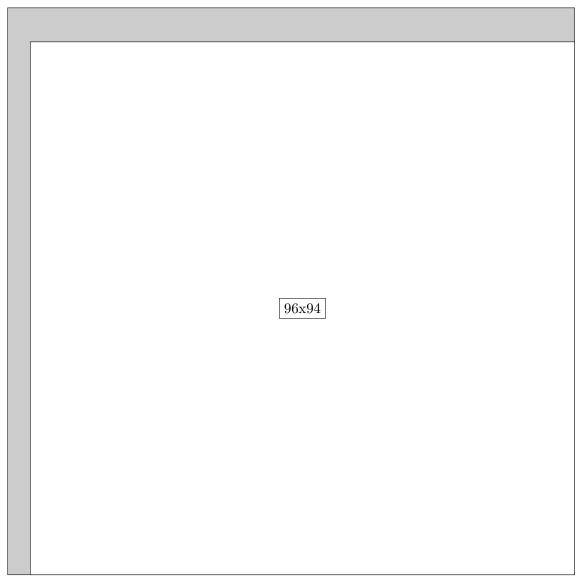
 $\le =66$, h=96 , x=34 , y=0 , v=6336



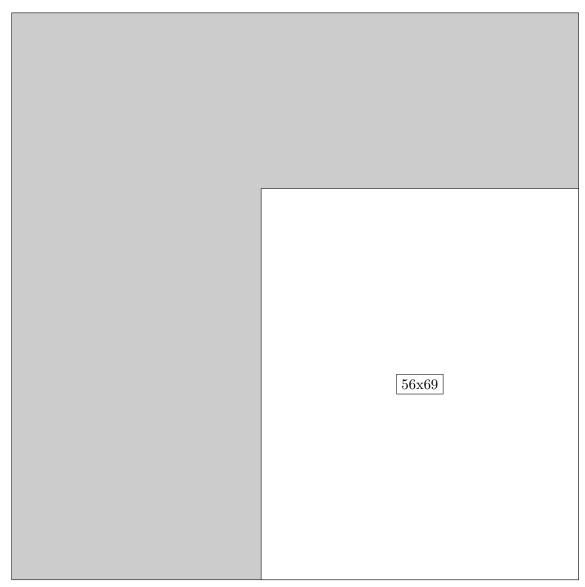
 $\le =83$, h =64 , x =17 , y =0 , v =5312



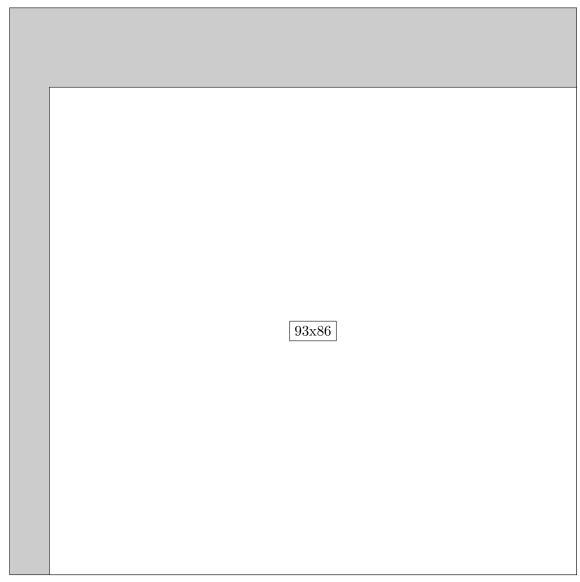
 $\le =87$, h=69 , x=13 , y=0 , v=6003



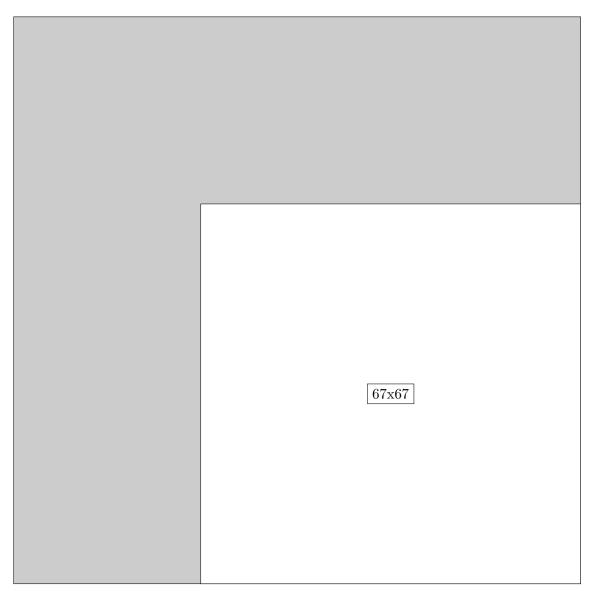
 $\le =96$, $\ge =94$, $\ge =4$, $\ge =0$, $\ge =9024$



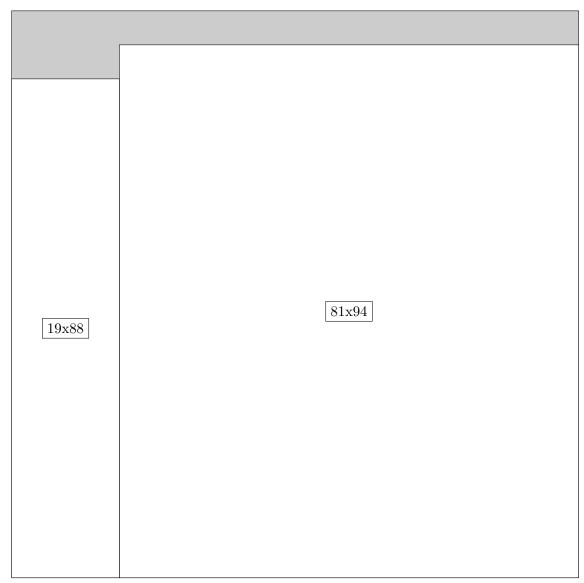
 $\le =56$, h=69 , x=44 , y=0 , v=3864



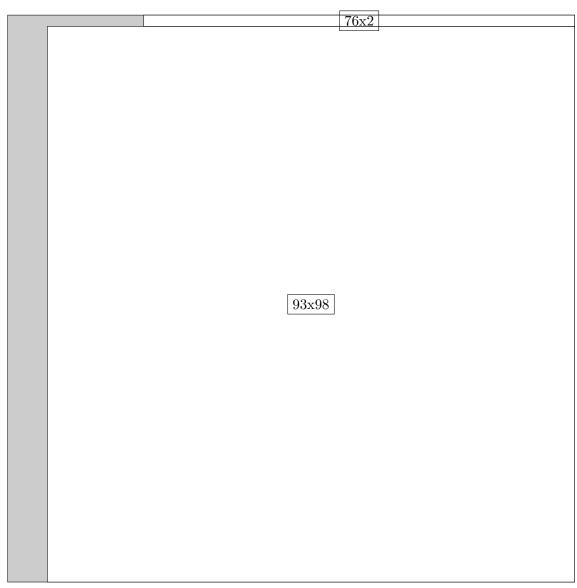
 ≤ -93 , h = 86 , x = 7 , y = 0 , v = 7998



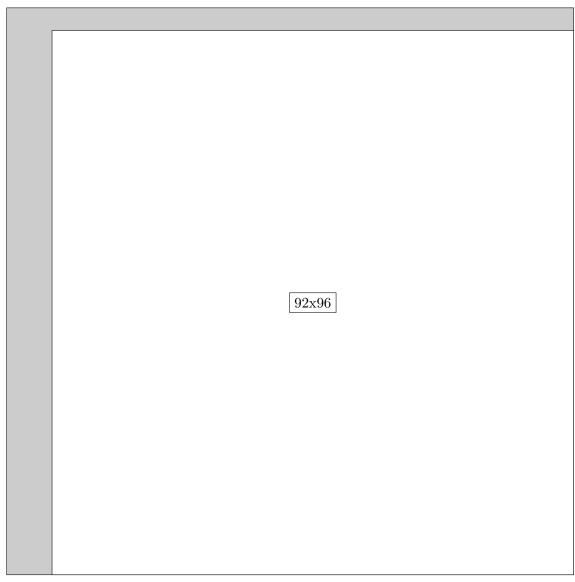
 $\le =67$, h =67 , x =33 , y =0 , v =4489



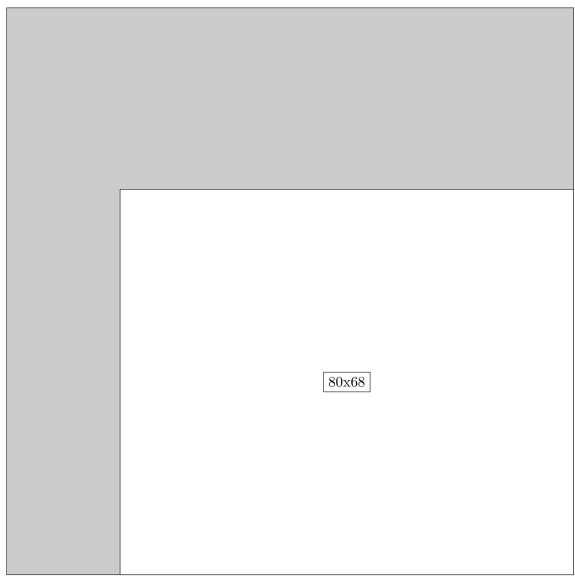
$$\begin{array}{l} w = \! 81 \ , \ h = \! 94 \ , \ x = \! 19 \ , \ y = \! 0 \ , \ v = \! 7614 \\ w = \! 19 \ , \ h = \! 88 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 1672 \end{array}$$



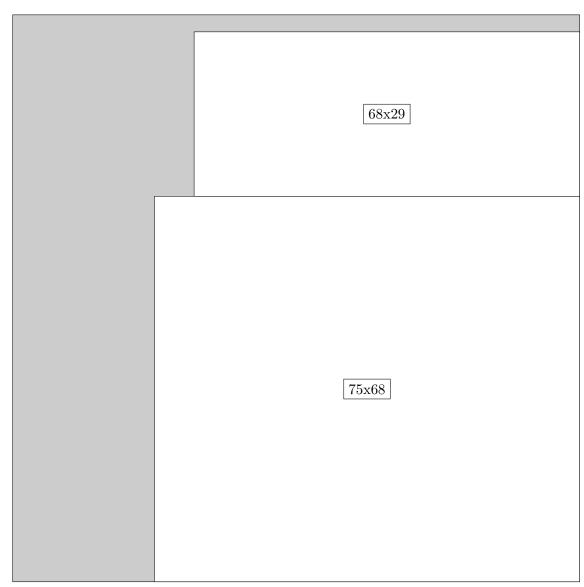
 $\begin{array}{l} w = \! 93 \; , \; h = \! 98 \; , \; x = \! 7 \; , \; y = \! 0 \; , \; v = \! 9114 \\ w = \! 76 \; , \; h = \! 2 \; , \; x = \! 24 \; , \; y = \! 98 \; , \; v = \! 152 \end{array}$



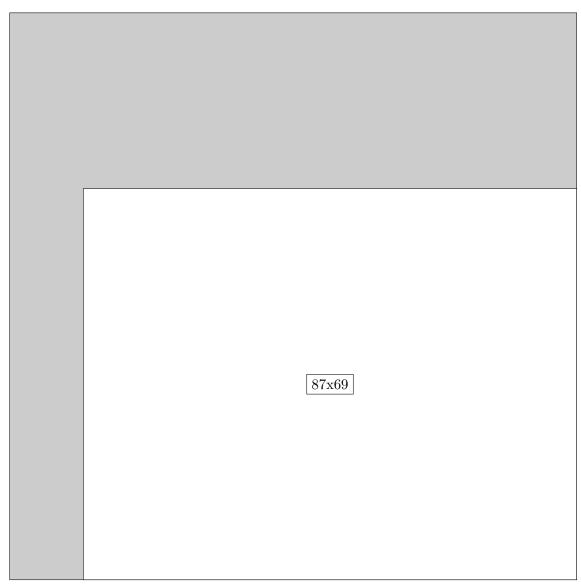
 $\le =92$, h =96 , x =8 , y =0 , v =8832



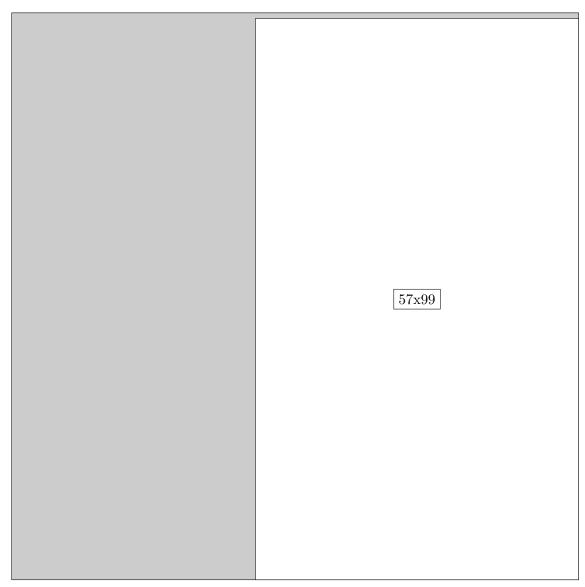
 $\le =80$, h=68 , x=20 , y=0 , v=5440



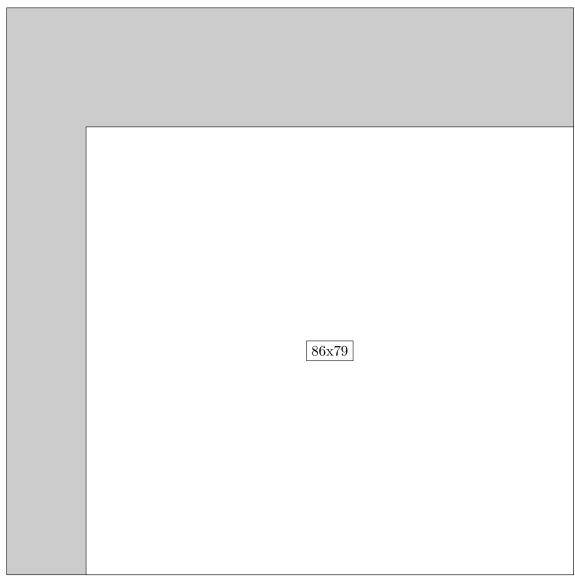
$$\begin{array}{l} w = \! 75 \ , \, h = \! 68 \ , \, x = \! 25 \ , \, y = \! 0 \ , \, v = \! 5100 \\ w = \! 68 \ , \, h = \! 29 \ , \, x = \! 32 \ , \, y = \! 68 \ , \, v = \! 1972 \end{array}$$



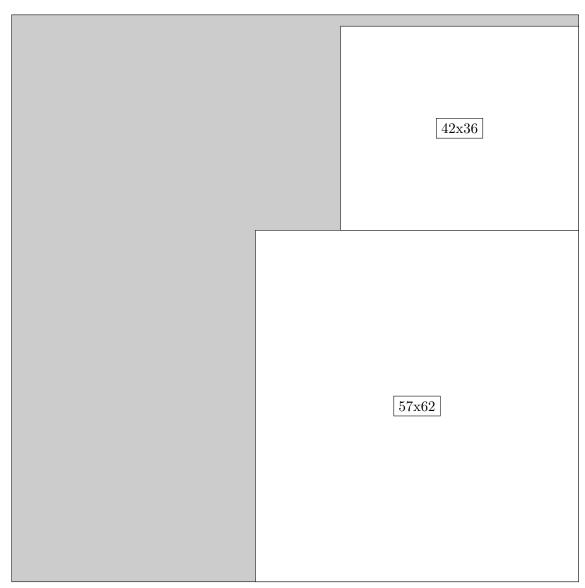
 $\le =87$, h=69 , x=13 , y=0 , v=6003



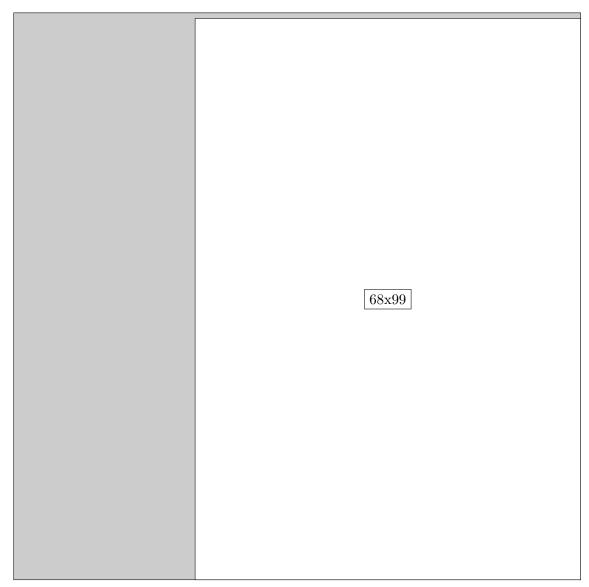
 $\le =57$, h =99 , x =43 , y =0 , v = 5643



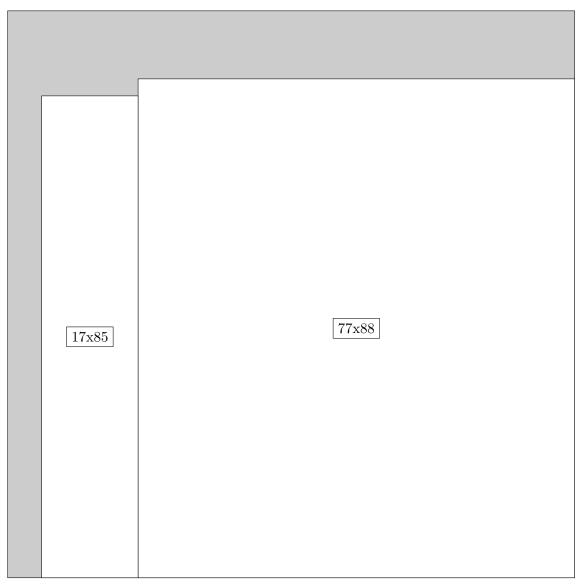
 $\le =86$, h =79 , x =14 , y =0 , v =6794



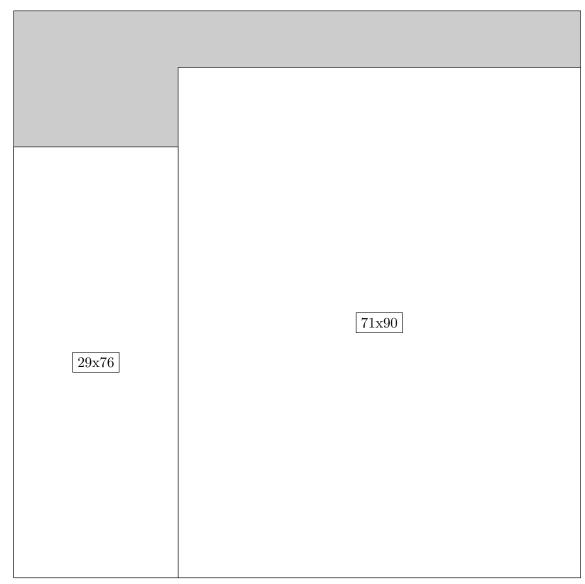
$$\begin{array}{l} w = \! 57 \; , \; h = \! 62 \; , \; x = \! 43 \; , \; y = \! 0 \; , \; v = \! 3534 \\ w = \! 42 \; , \; h = \! 36 \; , \; x = \! 58 \; , \; y = \! 62 \; , \; v = \! 1512 \end{array}$$



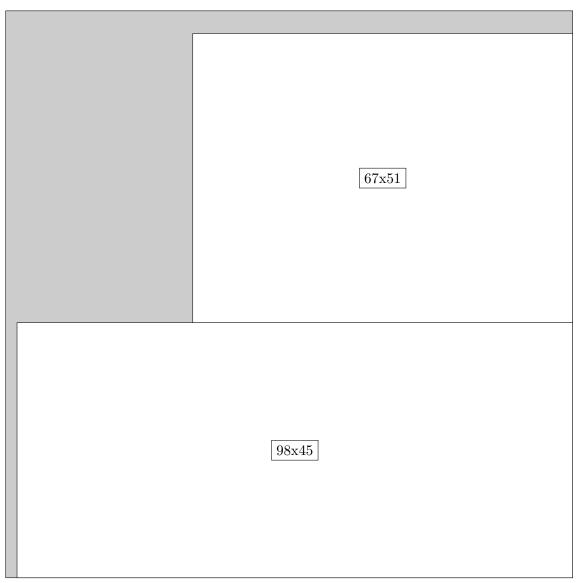
 $\le =68$, h =99 , x =32 , y =0 , v =6732



$$\begin{array}{l} w = \!\!\! 77 \ , \ h = \!\!\! 88 \ , \ x = \!\!\! 23 \ , \ y = \!\!\! 0 \ , \ v = \!\!\! 6776 \\ w = \!\!\! 17 \ , \ h = \!\!\! 85 \ , \ x = \!\!\! 6 \ , \ y = \!\!\! 0 \ , \ v = \!\!\! 1445 \end{array}$$



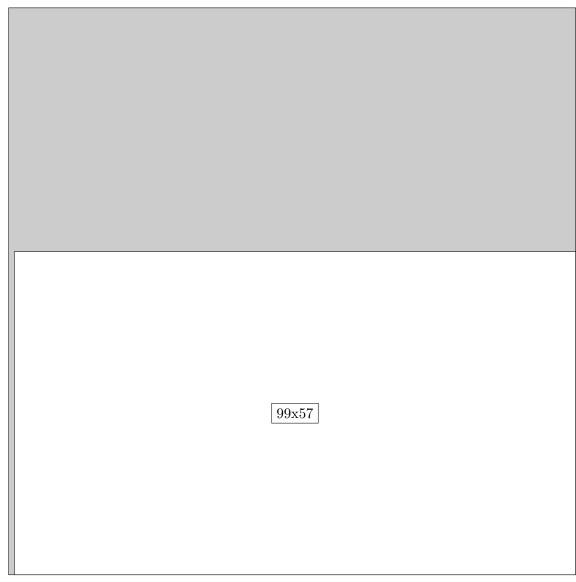
$$\begin{array}{l} w = \! 71 \ , \ h = \! 90 \ , \ x = \! 29 \ , \ y = \! 0 \ , \ v = \! 6390 \\ w = \! 29 \ , \ h = \! 76 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 2204 \end{array}$$



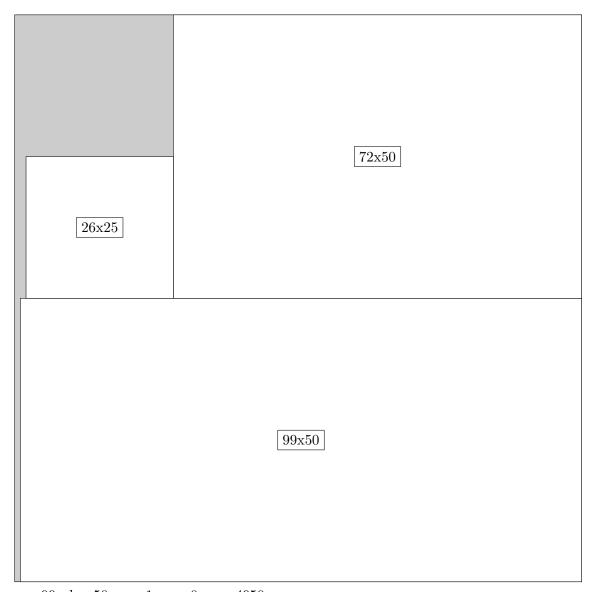
$$\begin{array}{c} w = 98 \; , \; h = \!\!\! 45 \; , \; x = \!\!\! 2 \; , \; y = \!\!\! 0 \; , \; v = \!\!\! 4410 \\ w = \!\!\! 67 \; , \; h = \!\!\! 51 \; , \; x = \!\!\! 33 \; , \; y = \!\!\! 45 \; , \; v = \!\!\! 3417 \\ \end{array}$$



$$\begin{array}{l} w = 92 \; , \; h = \!\!\! 45 \; , \; x = \!\!\! 8 \; , \; y = \!\!\! 0 \; , \; v = \!\!\! 4140 \\ w = \!\!\! 66 \; , \; h = \!\!\! 51 \; , \; x = \!\!\! 34 \; , \; y = \!\!\! 45 \; , \; v = \!\!\! 3366 \end{array}$$

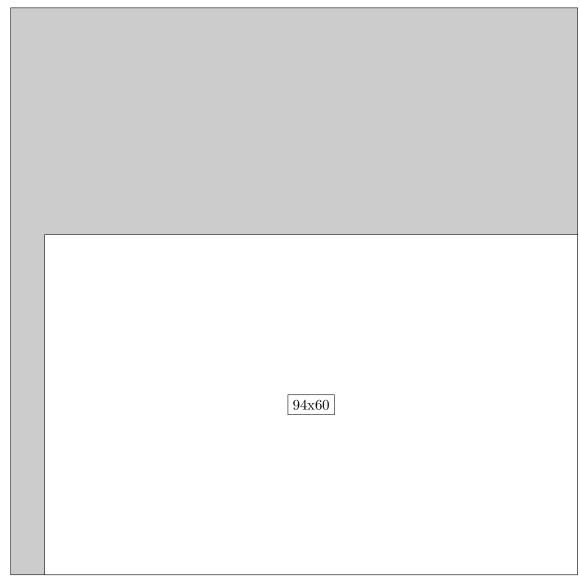


 $\le =99$, h =57 , x =1 , y =0 , v = 5643

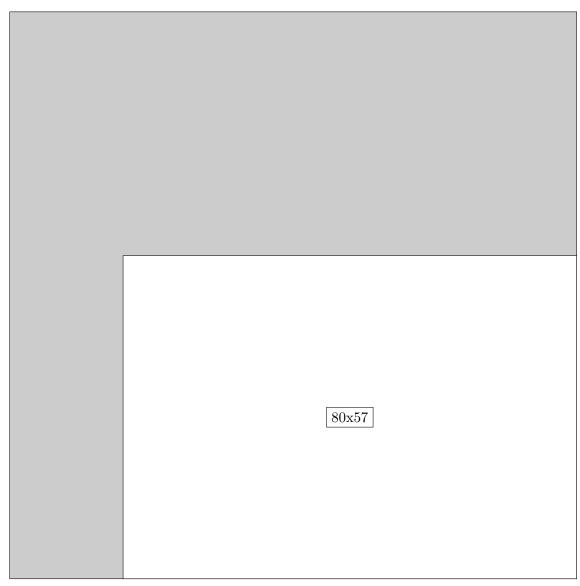


$$\begin{array}{l} w = \! 99 \ , \ h = \! 50 \ , \ x = \! 1 \ , \ y = \! 0 \ , \ v = \! 4950 \\ w = \! 72 \ , \ h = \! 50 \ , \ x = \! 28 \ , \ y = \! 50 \ , \ v = \! 3600 \end{array}$$

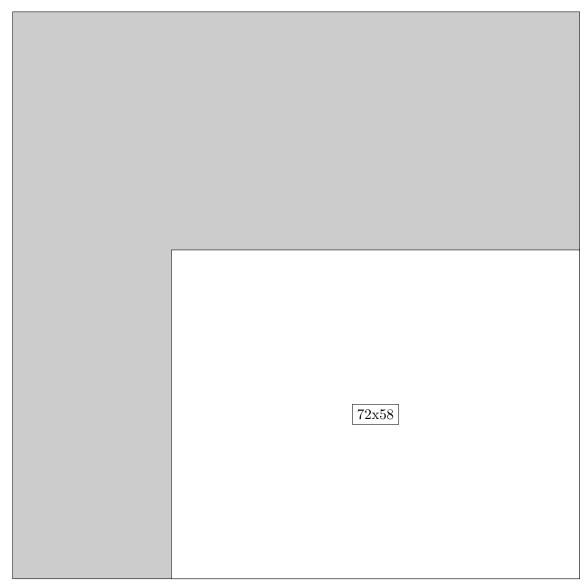
$$w$$
 =26 , h =25 , x =2 , y =50 , v =650



 $\le =94$, h =60 , x =6 , y =0 , v = 5640



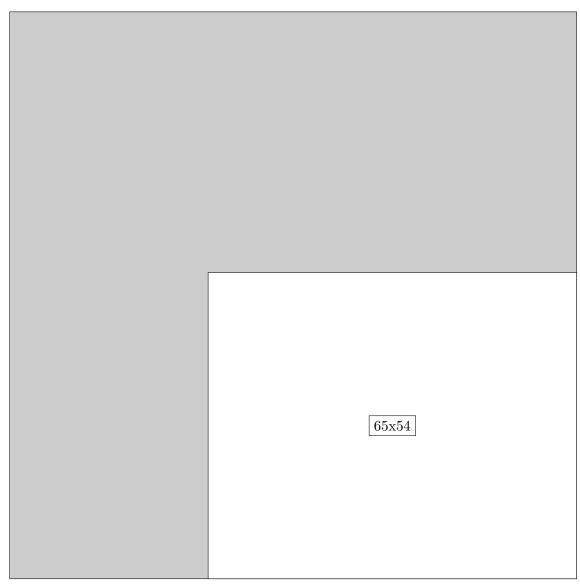
 $\le =80$, h =57 , x =20 , y =0 , v =4560



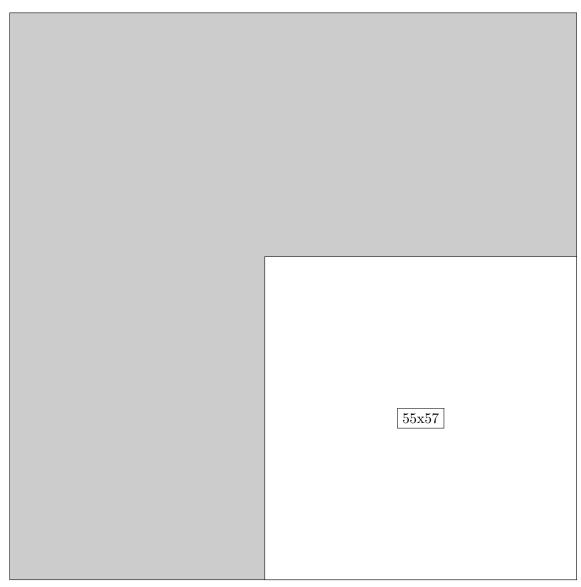
 $\le =72$, h =58 , x =28 , y =0 , v =4176



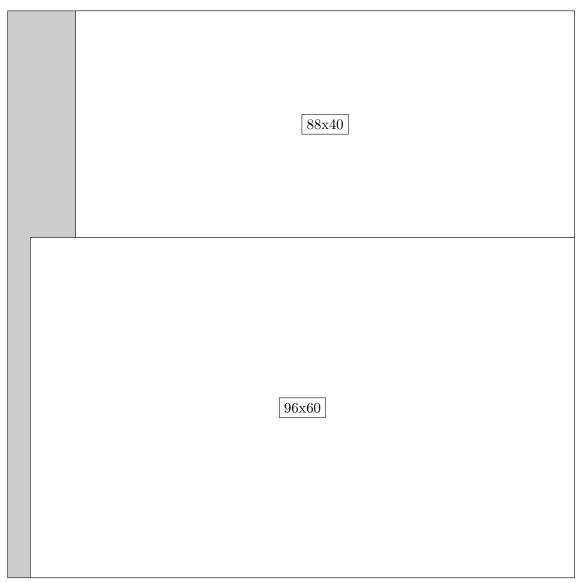
$$\begin{array}{l} w = \! 87 \; , \; h = \! 54 \; , \; x = \! 13 \; , \; y = \! 0 \; , \; v = \! 4698 \\ w = \! 82 \; , \; h = \! 46 \; , \; x = \! 18 \; , \; y = \! 54 \; , \; v = \! 3772 \end{array}$$



 $\le =65$, h =54 , x =35 , y =0 , v =3510



 $\le =55$, h=57 , x=45 , y=0 , v=3135



$$\begin{array}{l} w = \! 96 \; , \; h = \! 60 \; , \; x = \! 4 \; , \; y = \! 0 \; , \; v = \! 5760 \\ w = \! 88 \; , \; h = \! 40 \; , \; x = \! 12 \; , \; y = \! 60 \; , \; v = \! 3520 \\ \end{array}$$