$ClassName: \ Class_09.2bp-29$

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

TypeNum: <u>60</u> Num: <u>60</u> OutS: <u>450000</u> InS: <u>288900</u> Rate: <u>0.642</u> UB: <u>45</u> LB0: <u>45</u>

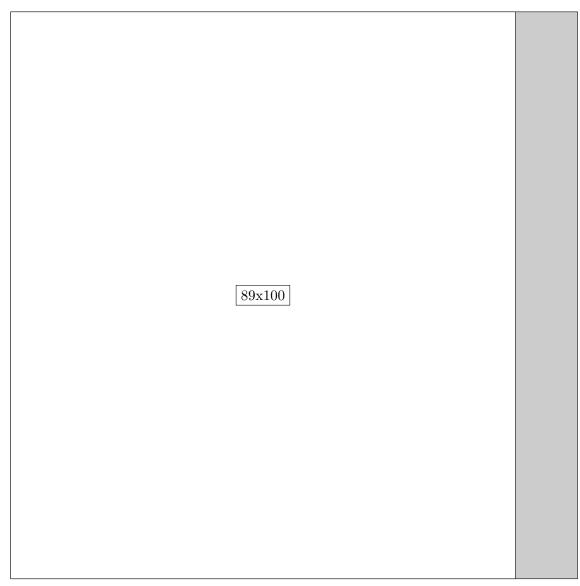
LB: $\underline{\mathbf{45}}$ LBWithCut: $\underline{\mathbf{45}}$ NodeCut: $\underline{\mathbf{0}}$

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

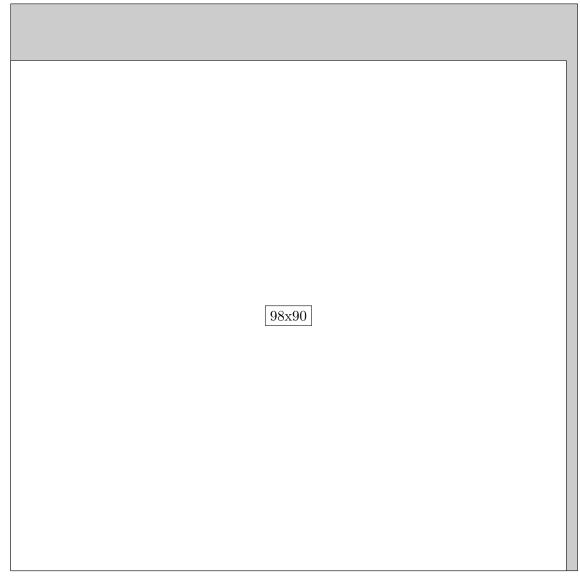
GenNodeCnt: $\underline{\mathbf{1}}$ PrimalNode: $\underline{\mathbf{0}}$ ColumnCount: $\underline{\mathbf{45}}$ TotalCutCount: $\underline{\mathbf{0}}$ RootCutCount: $\underline{\mathbf{0}}$ LPSolverCnt: $\underline{\mathbf{1}}$ PricingSolverCnt: $\underline{\mathbf{0}}$ BranchAndBoundNum: $\underline{\mathbf{1}}$

isOpt: **true**

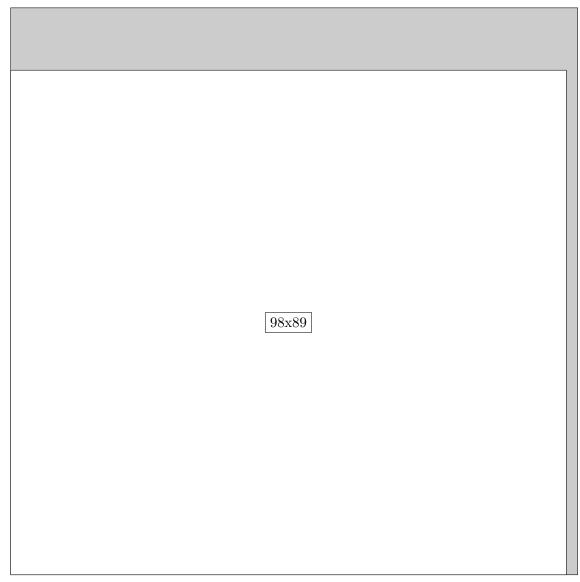
TimeOnInitSolution: 0.020 sTimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.093 sTotalTime: 0.176 s



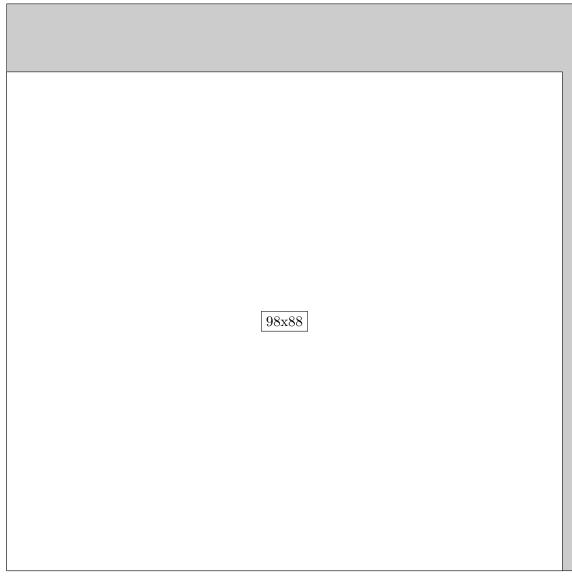
 $\le =89$, h =100 , x =0 , y =0 , v =8900



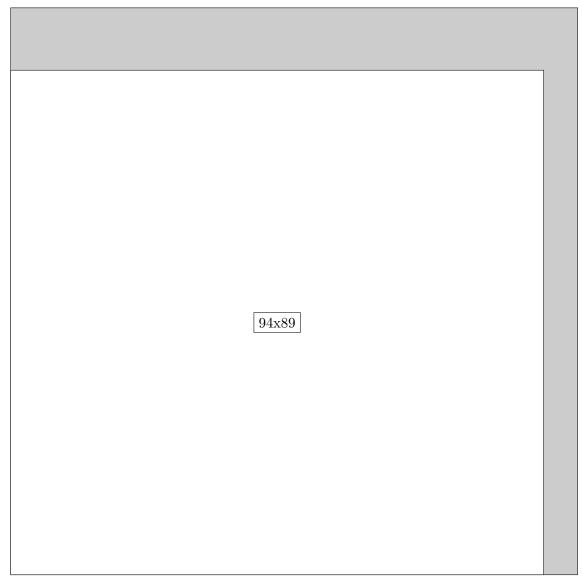
 $\le =98$, h =90 , x =0 , y =0 , v =8820



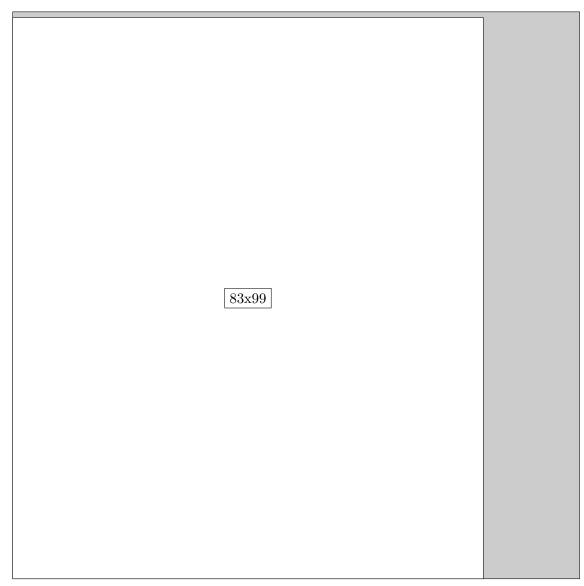
 $\le =98$, h =89 , x =0 , y =0 , v =8722



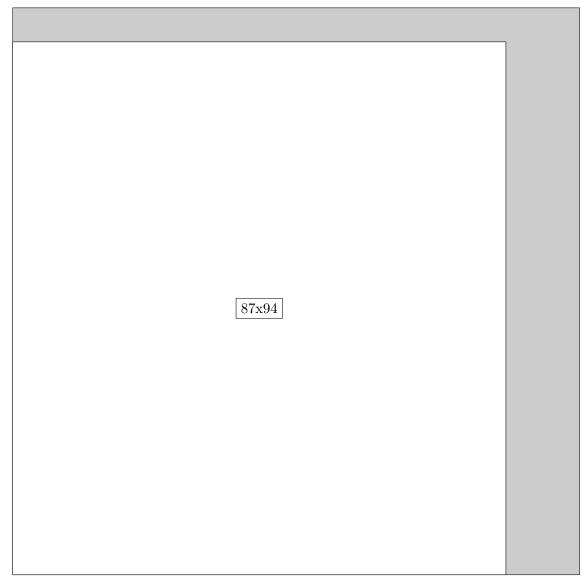
 $\le =98$, h =88 , x =0 , y =0 , v =8624



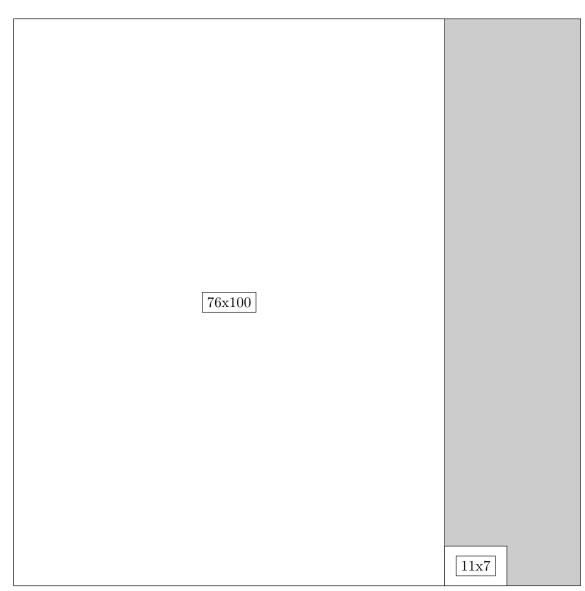
 $\le =94$, h =89 , x =0 , y =0 , v =8366



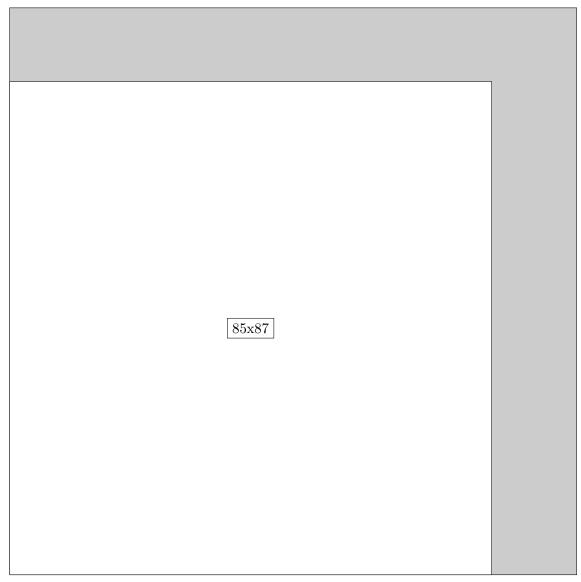
 $\le =83$, h =99 , x =0 , y =0 , v =8217



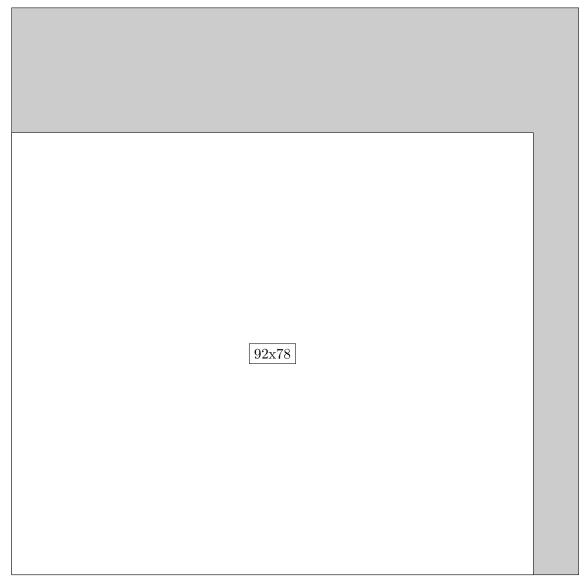
w = 87, h = 94, x = 0, y = 0, v = 8178



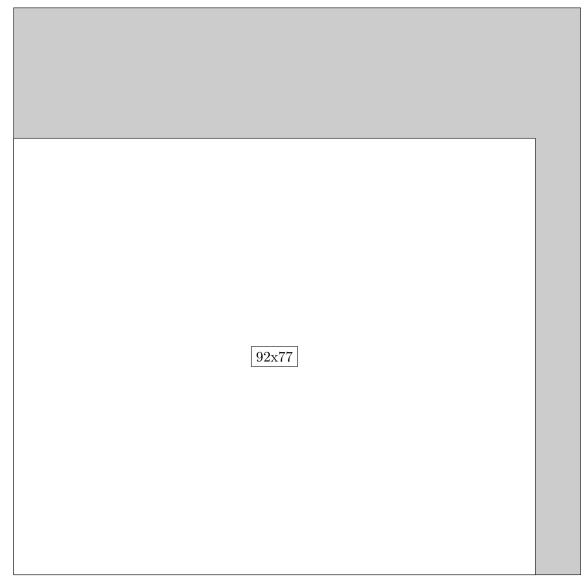
$$\begin{array}{l} w = \! 76 \ , \ h = \! 100 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 7600 \\ w = \! 11 \ , \ h = \! 7 \ , \ x = \! 76 \ , \ y = \! 0 \ , \ v = \! 77 \end{array}$$



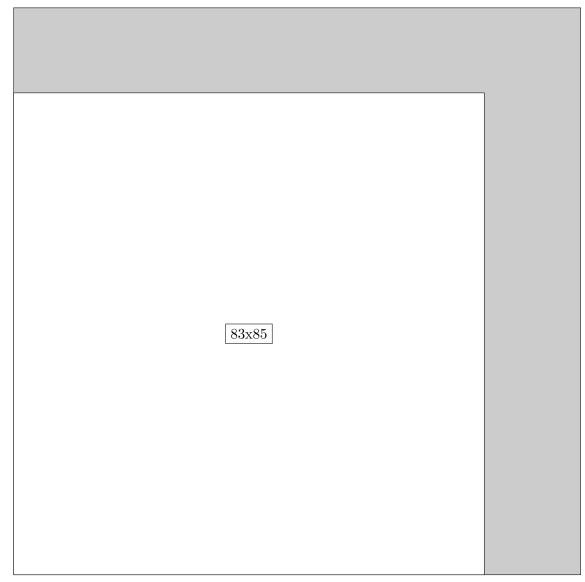
 $\le =85$, h =87 , x =0 , y =0 , v =7395



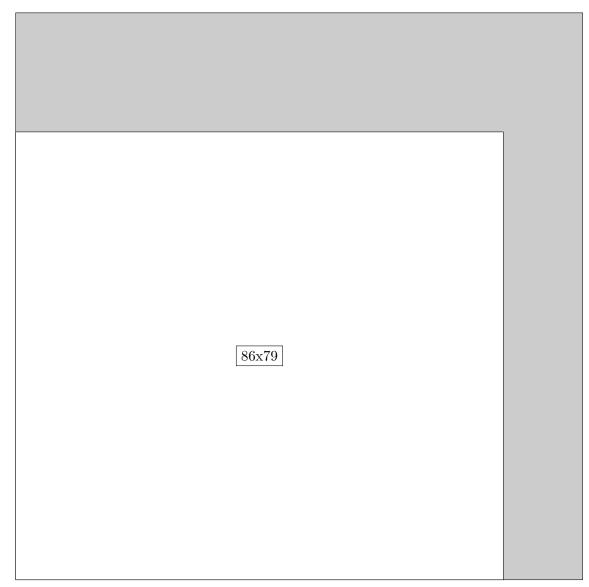
 $\le =92$, h =78 , x =0 , y =0 , v =7176



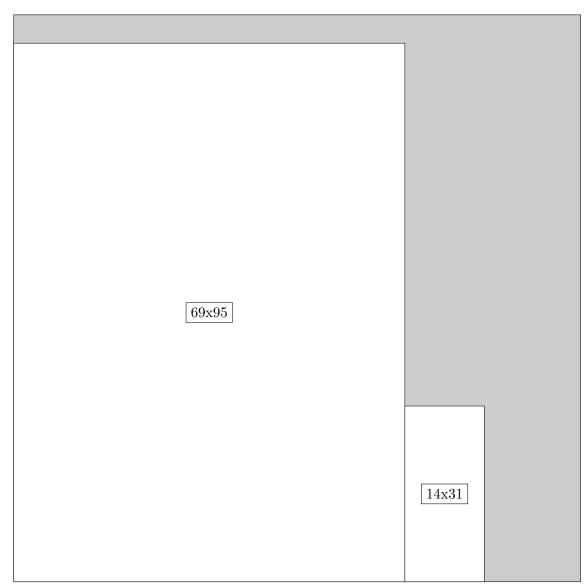
 $\le =92$, h =77 , x =0 , y =0 , v =7084

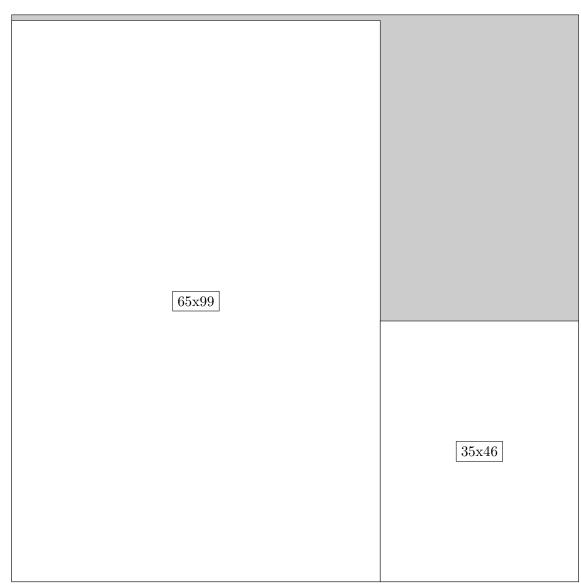


 $\le =83$, h =85 , x =0 , y =0 , v =7055

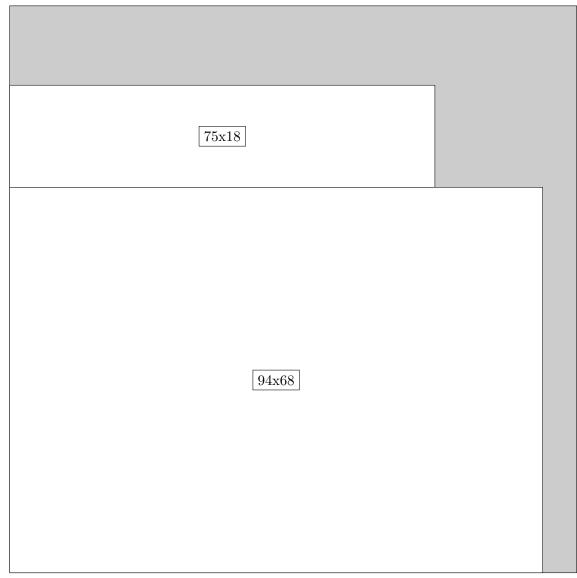


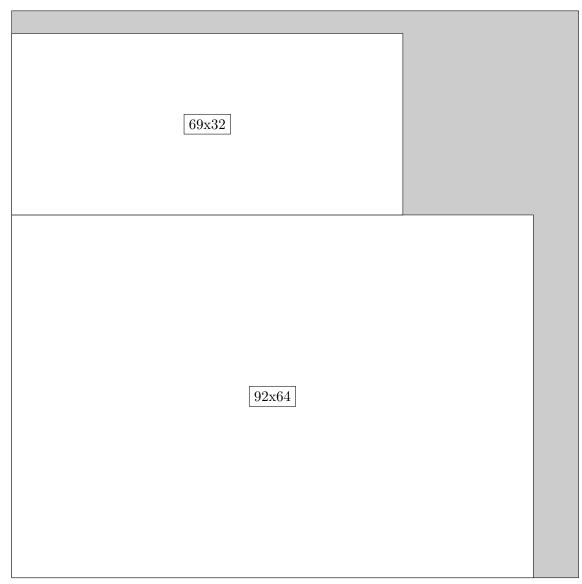
 $\le =86$, h =79 , x =0 , y =0 , v =6794





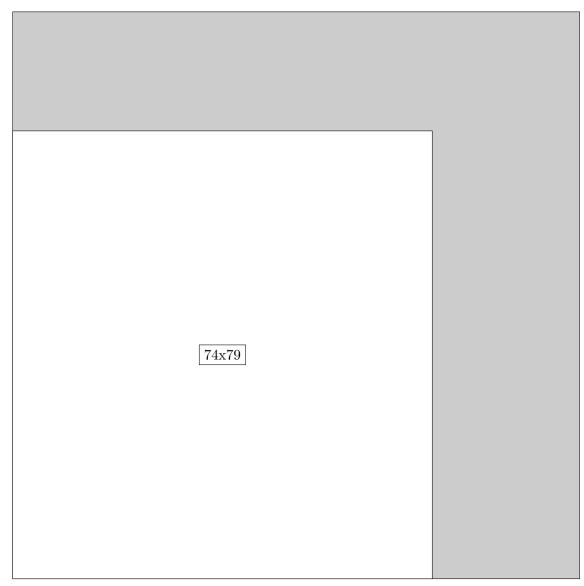
$$\begin{array}{c} w = \!\! 65 \; , \; h = \!\! 99 \; , \; x = \!\! 0 \; , \; y = \!\! 0 \; , \; v = \!\! 6435 \\ w = \!\! 35 \; , \; h = \!\! 46 \; , \; x = \!\! 65 \; , \; y = \!\! 0 \; , \; v = \!\! 1610 \\ \end{array}$$



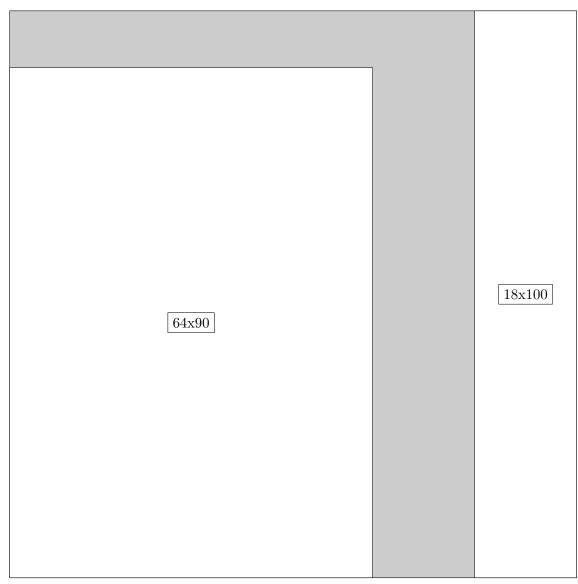


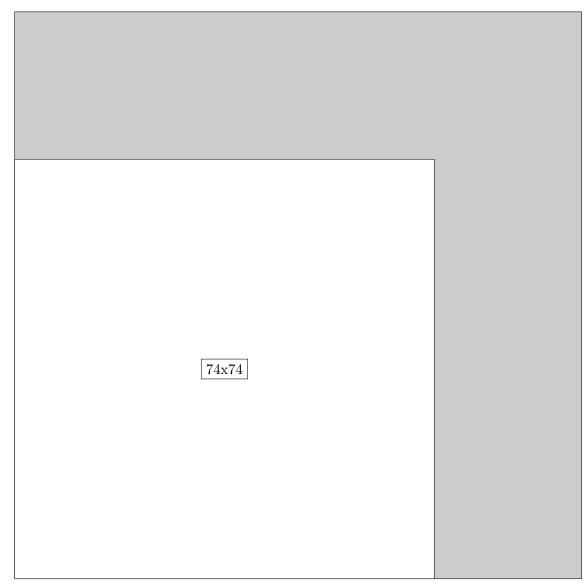
$$\begin{array}{l} w = \! 92 \ , \ h = \! 64 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 5888 \\ w = \! 69 \ , \ h = \! 32 \ , \ x = \! 0 \ , \ y = \! 64 \ , \ v = \! 2208 \end{array}$$





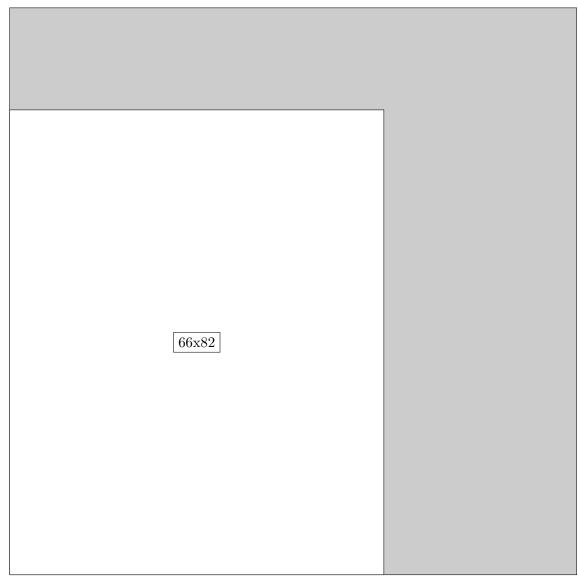
w = 74, h = 79, x = 0, y = 0, v = 5846



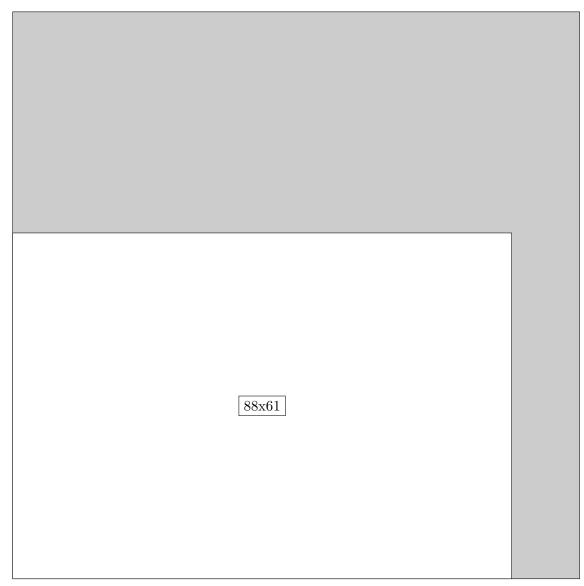


w = 74, h = 74, x = 0, y = 0, v = 5476

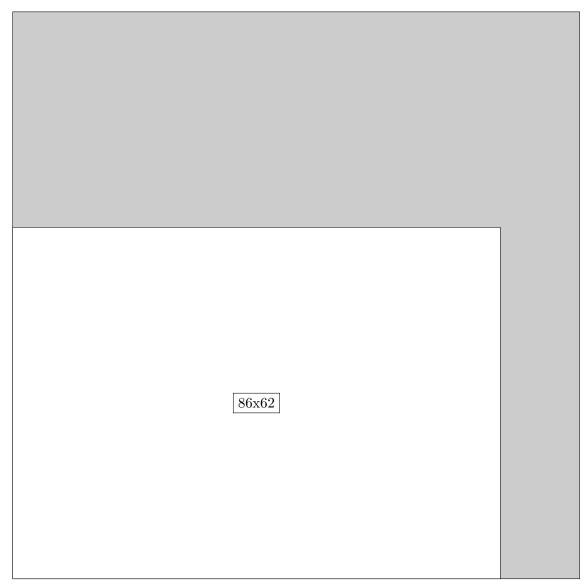




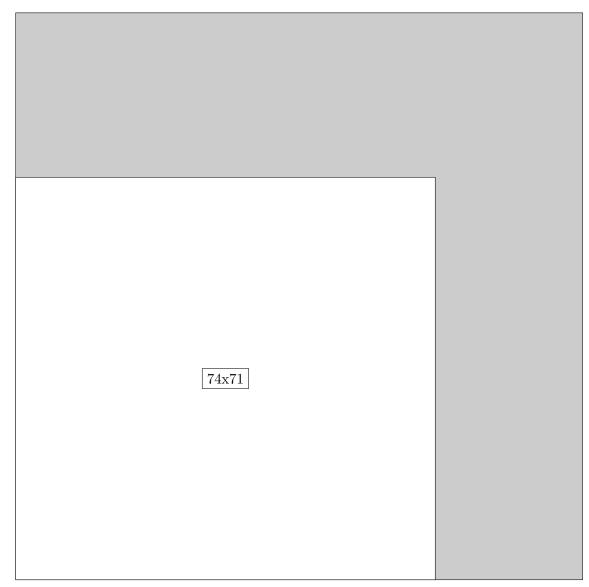
w = 66, h = 82, x = 0, y = 0, v = 5412



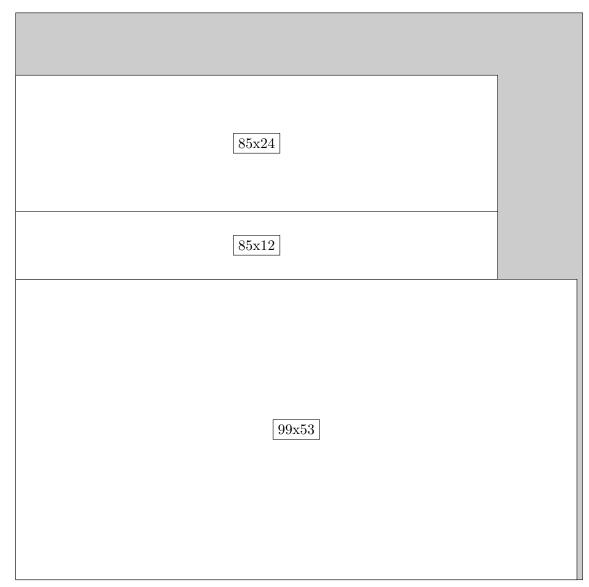
 $\le =88$, h =61 , x =0 , y =0 , v =5368



 $\le =86$, h =62 , x =0 , y =0 , v =5332

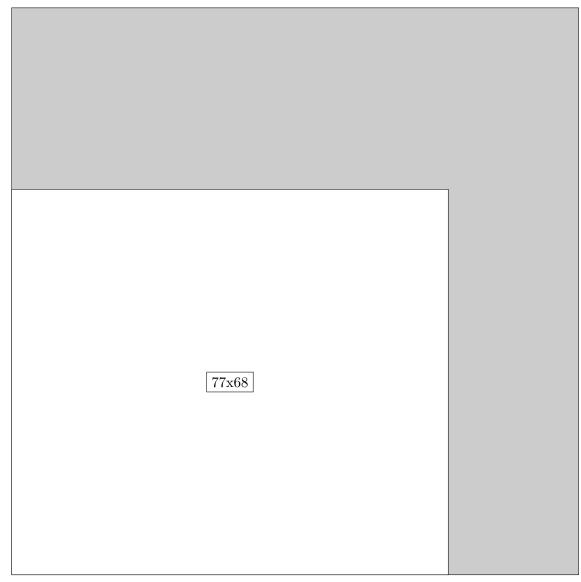


 \mathbf{w} =74 , h =71 , x =0 , y =0 , v =5254

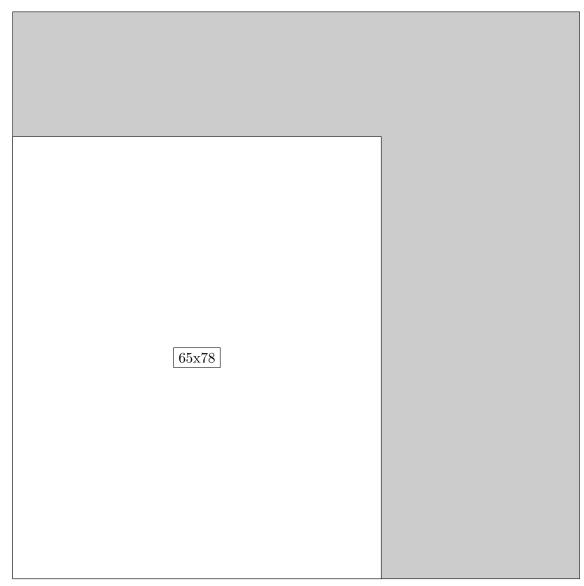


$$\begin{array}{l} w = \! 99 \ , \ h = \! 53 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 5247 \\ w = \! 85 \ , \ h = \! 24 \ , \ x = \! 0 \ , \ y = \! 65 \ , \ v = \! 2040 \end{array}$$

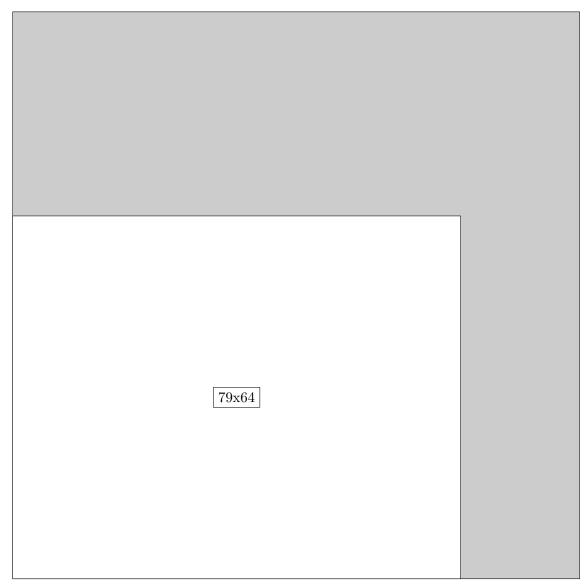
$$\le =85$$
 , h =12 , x =0 , y =53 , v =1020



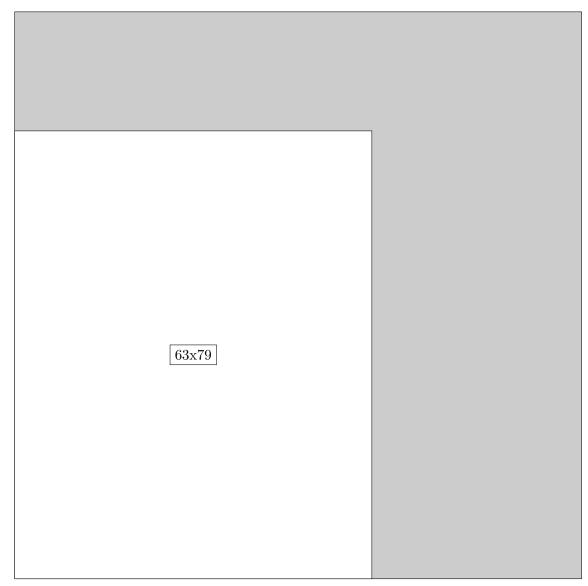
w = 77, h = 68, x = 0, y = 0, v = 5236



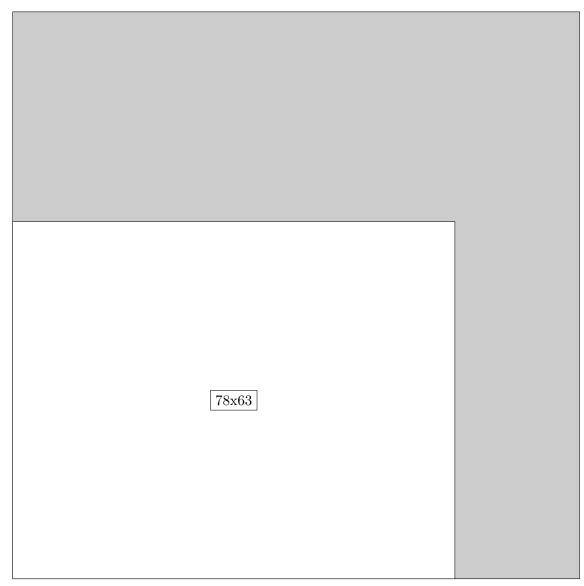
w = 65, h = 78, x = 0, y = 0, v = 5070



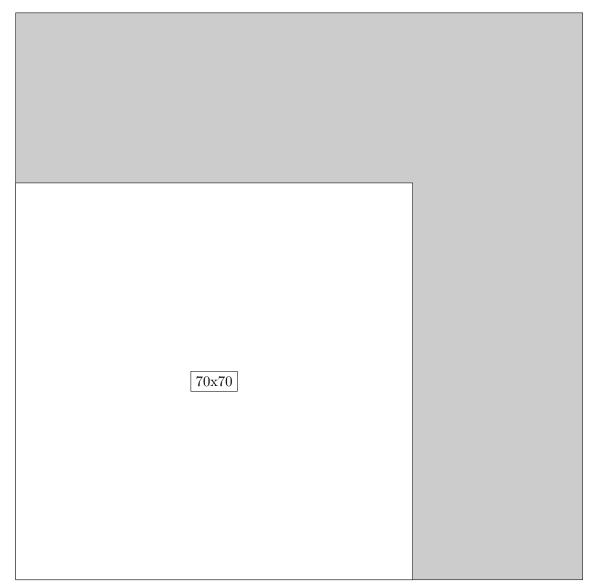
w = 79, h = 64, x = 0, y = 0, v = 5056



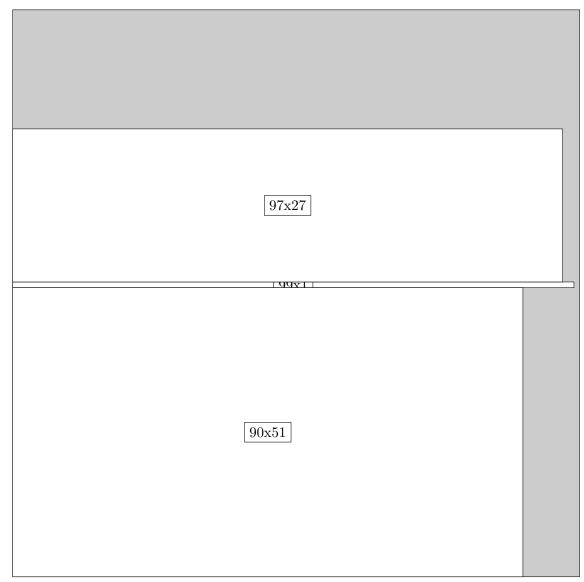
w = 63, h = 79, x = 0, y = 0, v = 4977



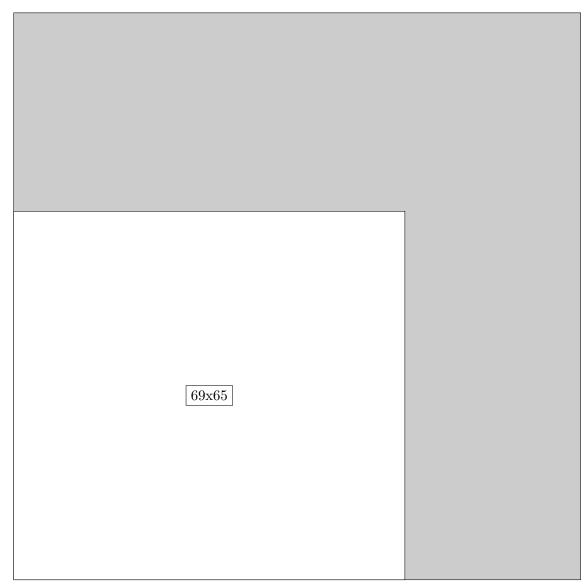
w = 78, h = 63, x = 0, y = 0, v = 4914



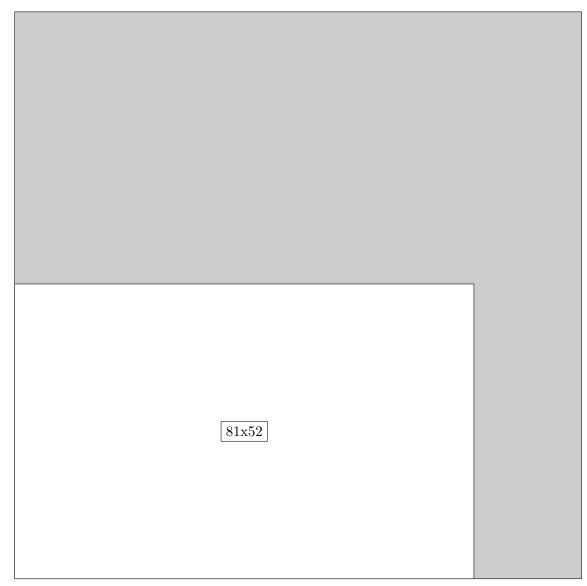
w = 70, h = 70, x = 0, y = 0, v = 4900



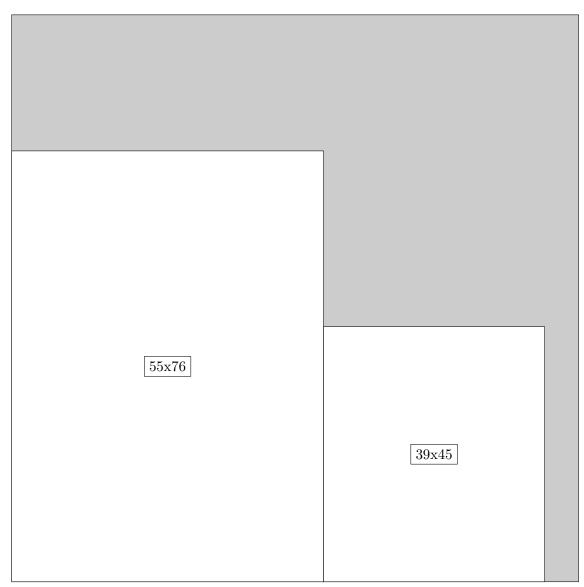
$$\begin{array}{l} w = 99 \ , \ h = 1 \ , \ x = 0 \ , \ y = 51 \ , \ v = 99 \\ w = 90 \ , \ h = 51 \ , \ x = 0 \ , \ y = 0 \ , \ v = 4590 \\ w = 97 \ , \ h = 27 \ , \ x = 0 \ , \ y = 52 \ , \ v = 2619 \end{array}$$



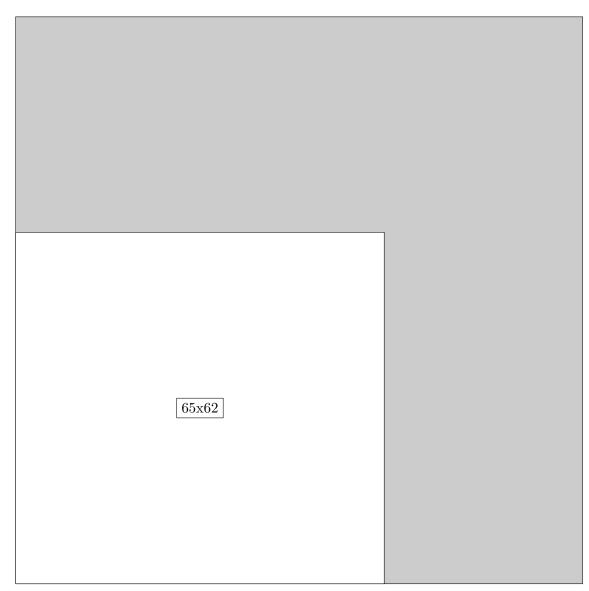
 $\le =69$, h =65 , x =0 , y =0 , v =4485



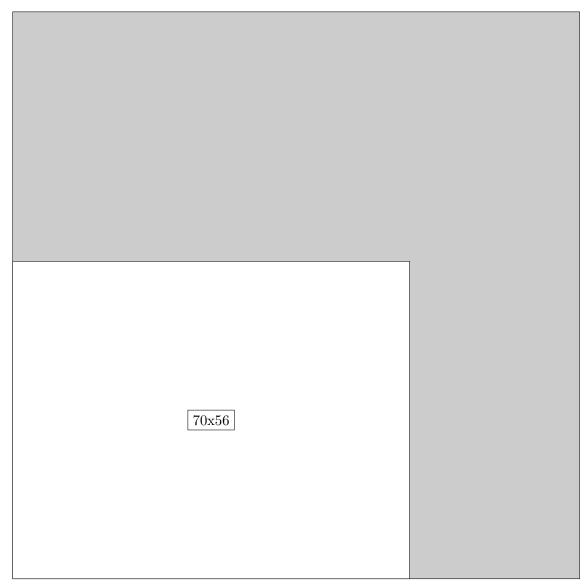
 $\le =81$, h =52 , x =0 , y =0 , v =4212



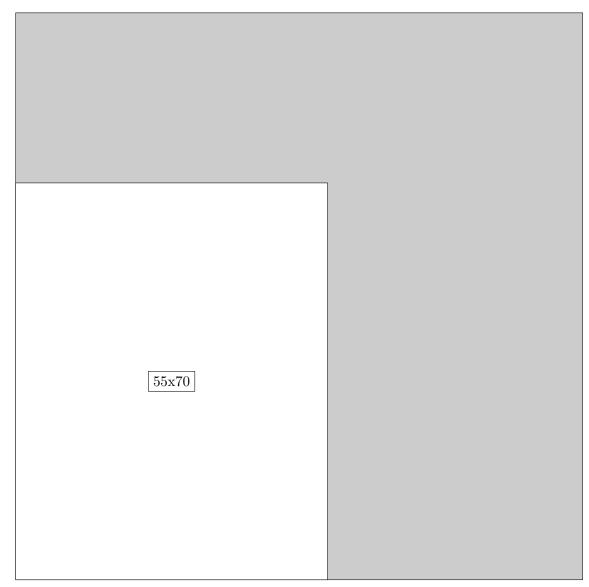
$$\begin{array}{c} w = \!\! 55 \; , \; h = \!\! 76 \; , \; x = \!\! 0 \; , \; y = \!\! 0 \; , \; v = \!\! 4180 \\ w = \!\! 39 \; , \; h = \!\! 45 \; , \; x = \!\! 55 \; , \; y = \!\! 0 \; , \; v = \!\! 1755 \\ \end{array}$$



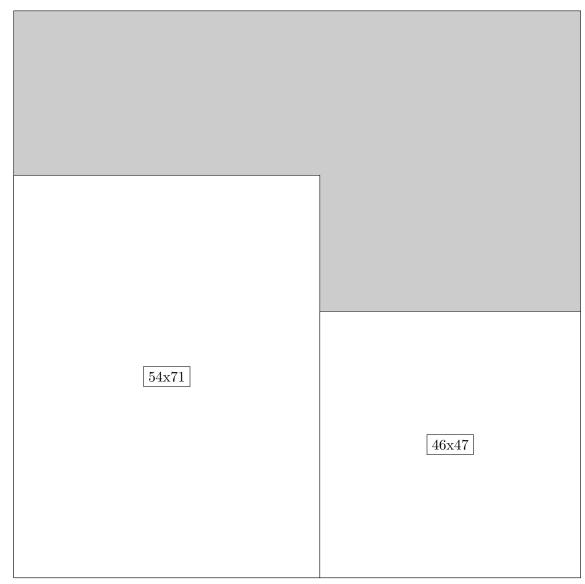
w = 65, h = 62, x = 0, y = 0, v = 4030



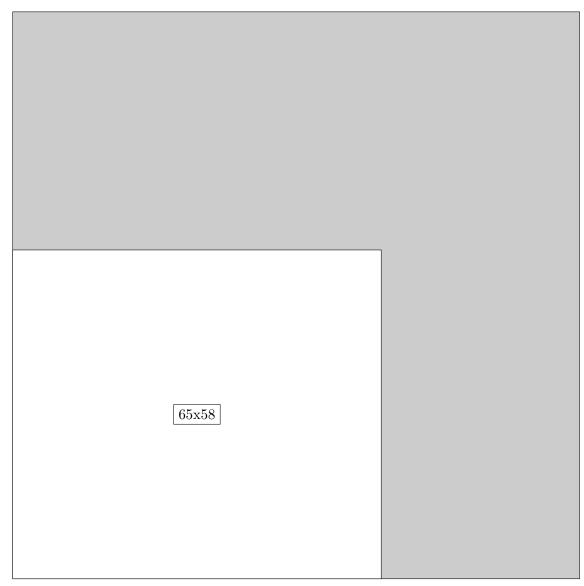
 $\overline{\mathbf{w}} = 70$, $\mathbf{h} = 56$, $\mathbf{x} = 0$, $\mathbf{y} = 0$, $\mathbf{v} = 3920$



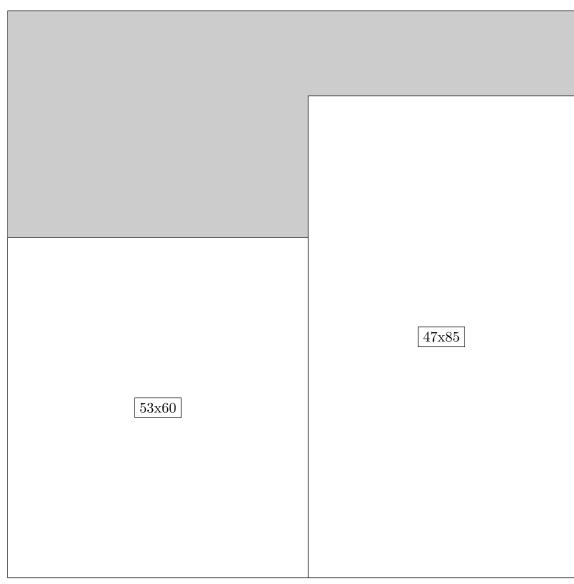
 $\overline{\mathrm{w}}$ =55 , h =70 , x =0 , y =0 , v =3850



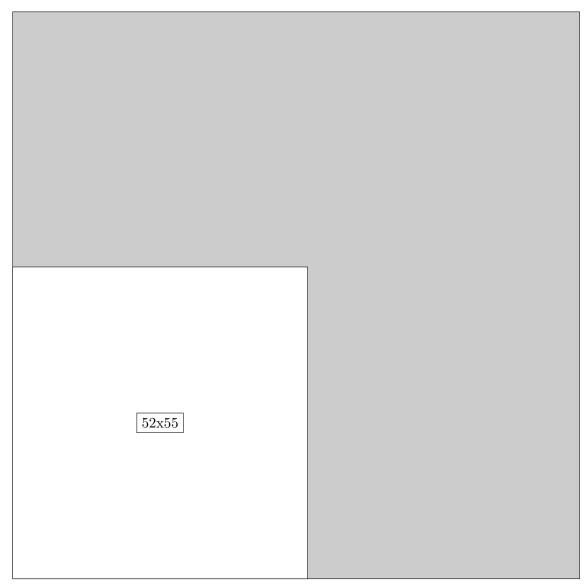
$$\begin{array}{c} w = \!54 \; , \; h = \!71 \; , \; x = \!0 \; , \; y = \!0 \; , \; v = \!3834 \\ w = \!46 \; , \; h = \!47 \; , \; x = \!54 \; , \; y = \!0 \; , \; v = \!2162 \end{array}$$



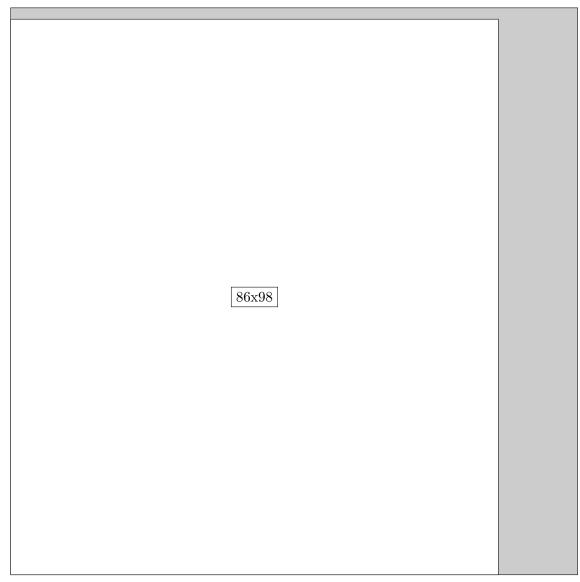
w = 65, h = 58, x = 0, y = 0, v = 3770



$$\begin{array}{l} w = \!\! 47 \ , \ h = \!\! 85 \ , \ x = \!\! 53 \ , \ y = \!\! 0 \ , \ v = \!\! 3995 \\ w = \!\! 53 \ , \ h = \!\! 60 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 3180 \end{array}$$



 ≤ -52 , h = 55 , x =0 , y = 0 , v = 2860



 $\le =86$, h =98 , x =0 , y =0 , v =8428