$ClassName: \ Class_09.2bp-32$

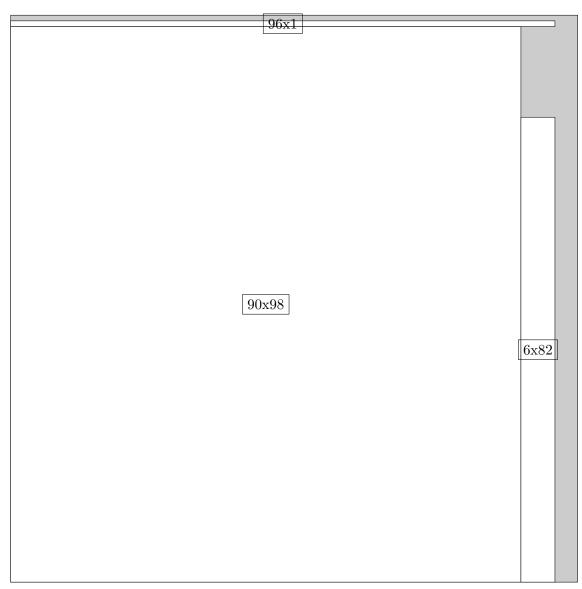
BinSize: $\underline{100 \times 100}$ ReduceSize: $\underline{100 \times 100}$

TypeNum: <u>80</u>
Num: <u>80</u>
OutS: <u>570000</u>
InS: <u>350975</u>
Rate: <u>0.616</u>
UB: <u>57</u>
LB0: <u>57</u>
LB: <u>57</u>

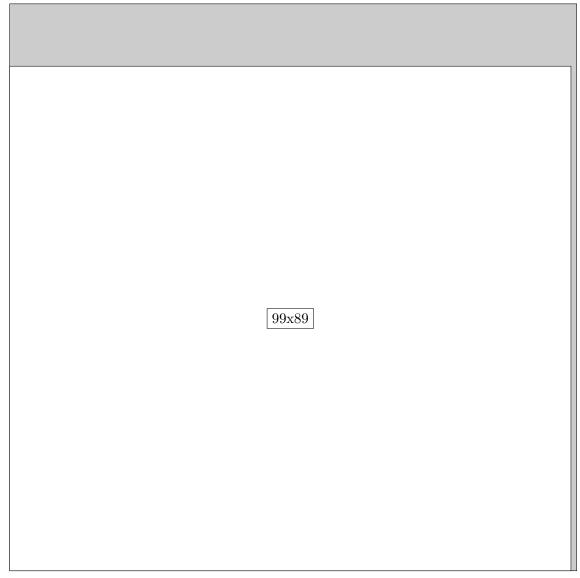
LBWithCut: $\underline{\bf 57}$ NodeCut: $\underline{\bf 0}$ PrimalNode: $\underline{\bf 0}$ ColumnCount: $\underline{\bf 57}$ TotalCutCount: $\underline{\bf 0}$ RootCutCount: $\underline{\bf 0}$ LPSolverCnt: $\underline{\bf 1}$ PricingSolverCnt: $\underline{\bf 0}$ BranchAndBoundNum: $\underline{\bf 1}$

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

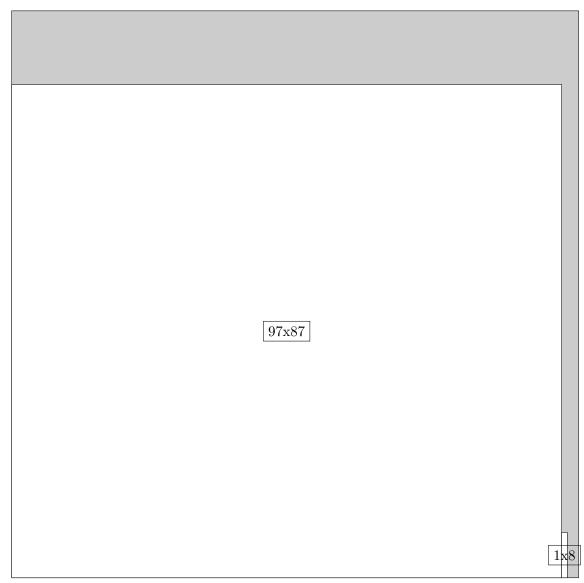
TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.078 sTotalTime: 0.125 s



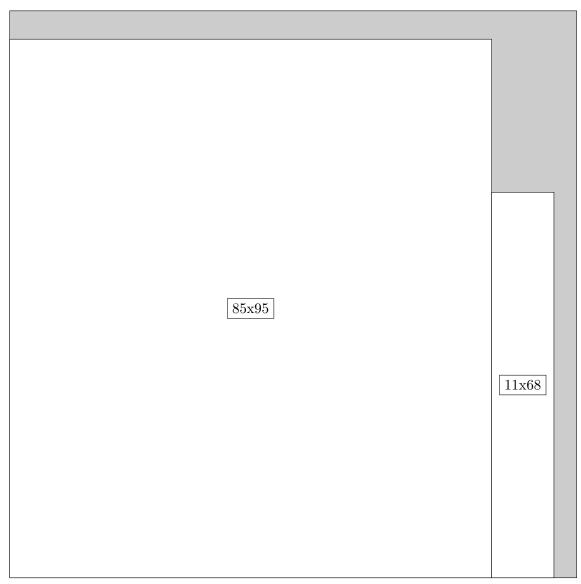
 $\begin{array}{l} w = \! 90 \; , \; h = \! 98 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 8820 \\ w = \! 6 \; , \; h = \! 82 \; , \; x = \! 90 \; , \; y = \! 0 \; , \; v = \! 492 \\ w = \! 96 \; , \; h = \! 1 \; , \; x = \! 0 \; , \; y = \! 98 \; , \; v = \! 96 \end{array}$



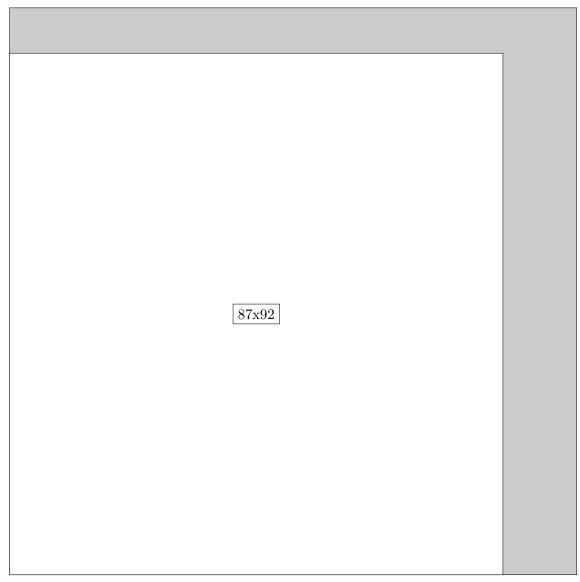
 $\le =99$, h =89 , x =0 , y =0 , v =8811



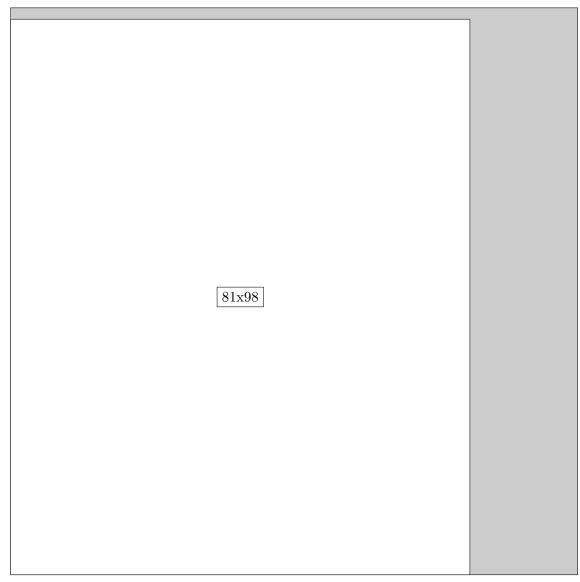
$$\begin{array}{l} w = \! 97 \ , \ h = \! 87 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 8439 \\ w = \! 1 \ , \ h = \! 8 \ , \ x = \! 97 \ , \ y = \! 0 \ , \ v = \! 8 \end{array}$$



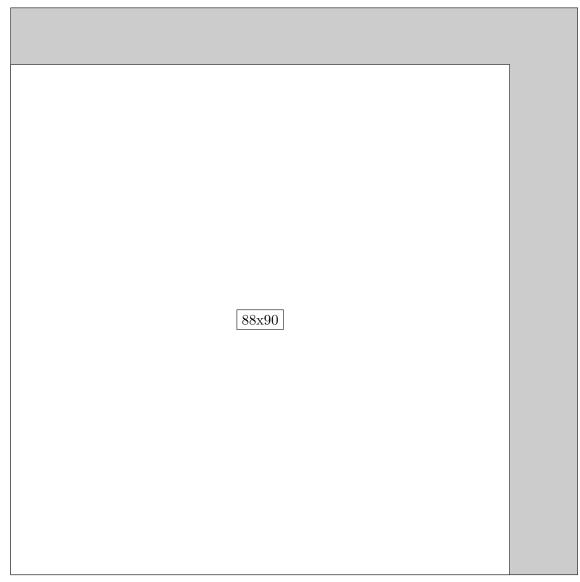
$$\begin{array}{c} w = \! 85 \; , \; h = \! 95 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 8075 \\ w = \! 11 \; , \; h = \! 68 \; , \; x = \! 85 \; , \; y = \! 0 \; , \; v = \! 748 \\ \end{array}$$



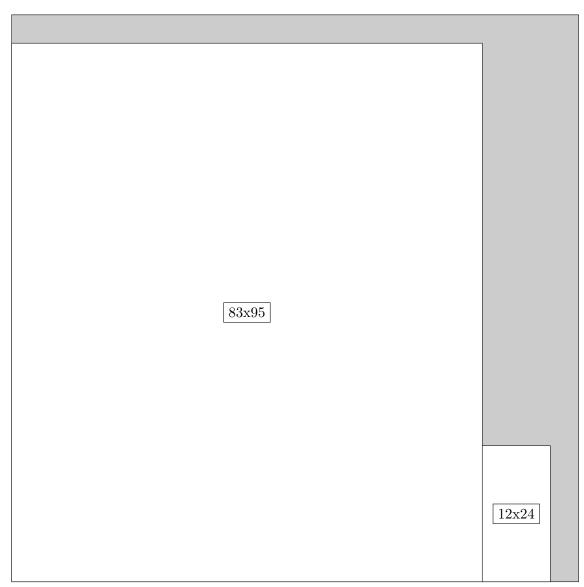
w = 87, h = 92, x = 0, y = 0, v = 8004

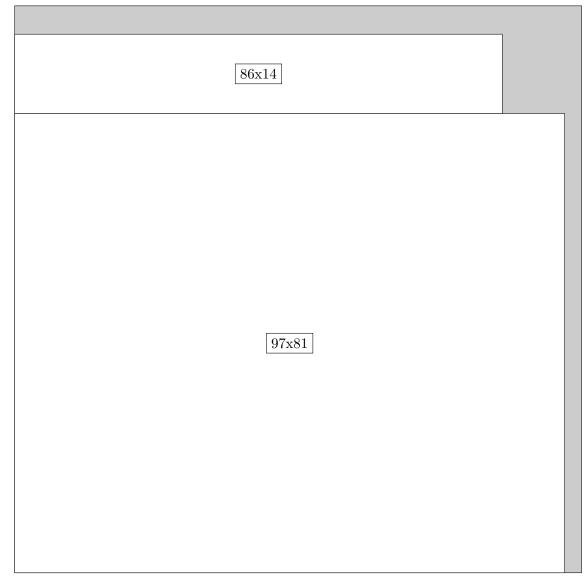


w = 81, h = 98, x = 0, y = 0, v = 7938

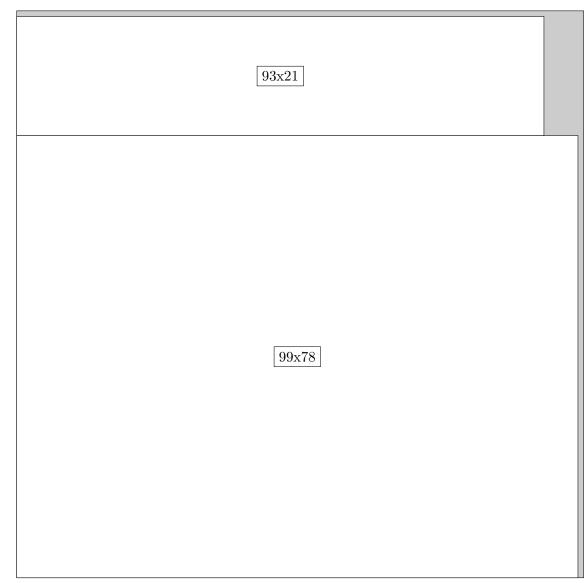


 $\le =88$, h =90 , x =0 , y =0 , v =7920

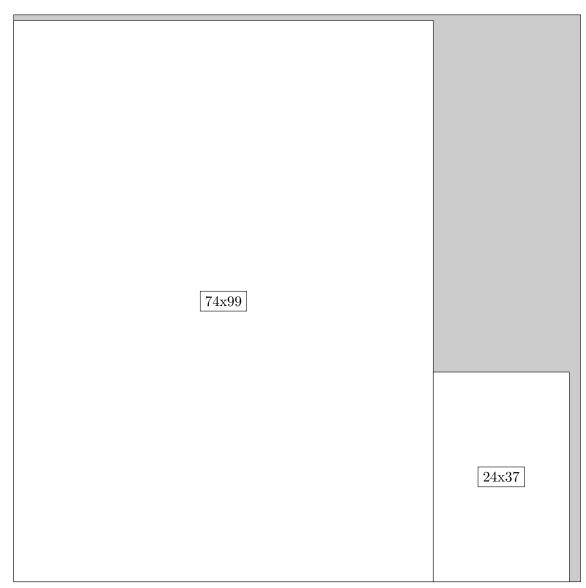


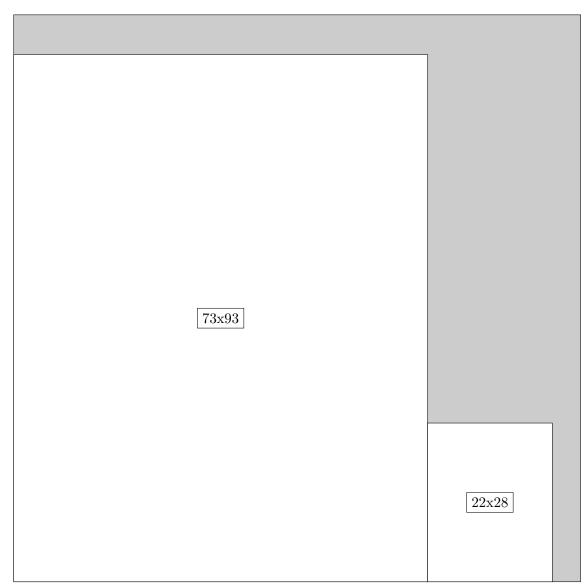


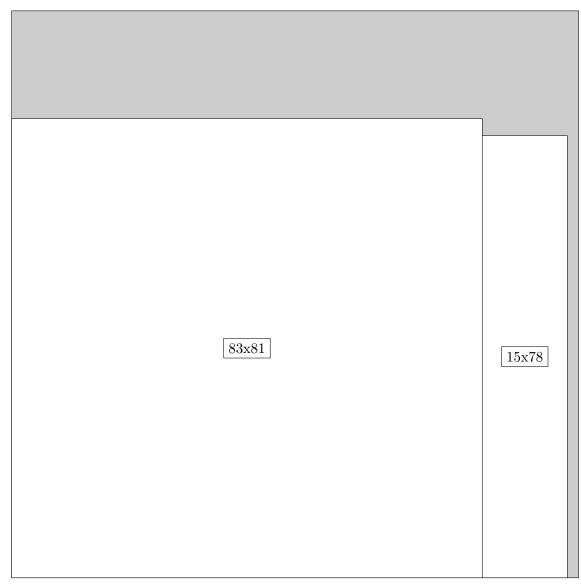
$$\begin{array}{l} w = \! 97 \ , \ h = \! 81 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 7857 \\ w = \! 86 \ , \ h = \! 14 \ , \ x = \! 0 \ , \ y = \! 81 \ , \ v = \! 1204 \end{array}$$



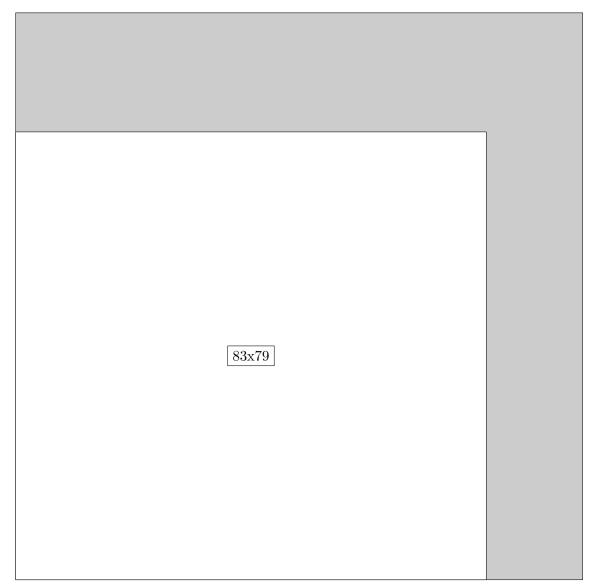
$$\begin{array}{c} w = 99 \ , \ h = 78 \ , \ x = 0 \ , \ y = 0 \ , \ v = 7722 \\ w = 93 \ , \ h = 21 \ , \ x = 0 \ , \ y = 78 \ , \ v = 1953 \\ \end{array}$$



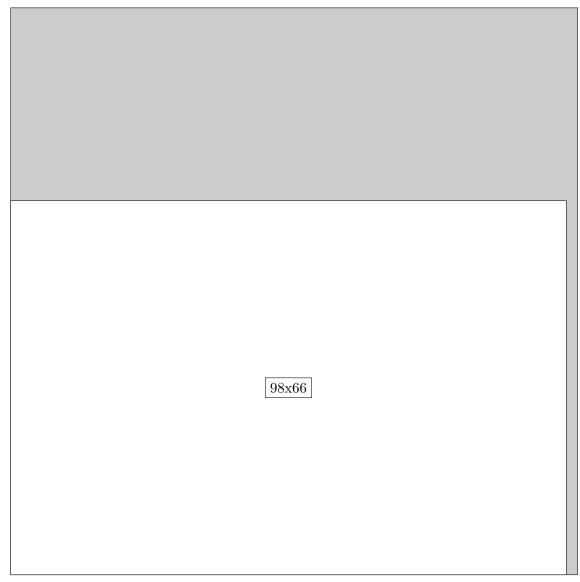




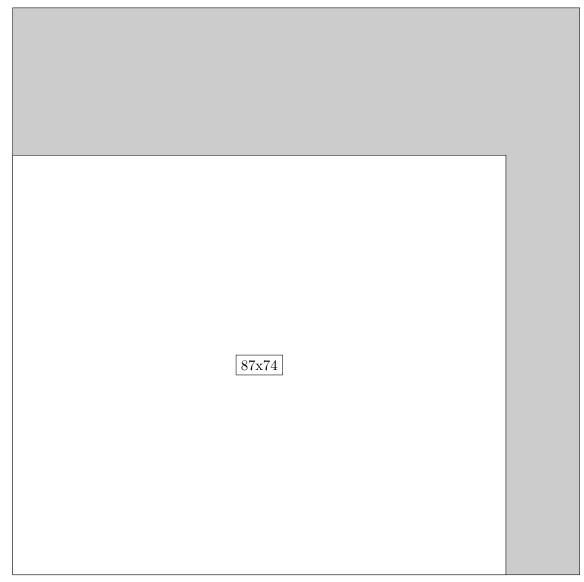
$$\begin{array}{c} w = \! 83 \; , \; h = \! 81 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 6723 \\ w = \! 15 \; , \; h = \! 78 \; , \; x = \! 83 \; , \; y = \! 0 \; , \; v = \! 1170 \\ \end{array}$$



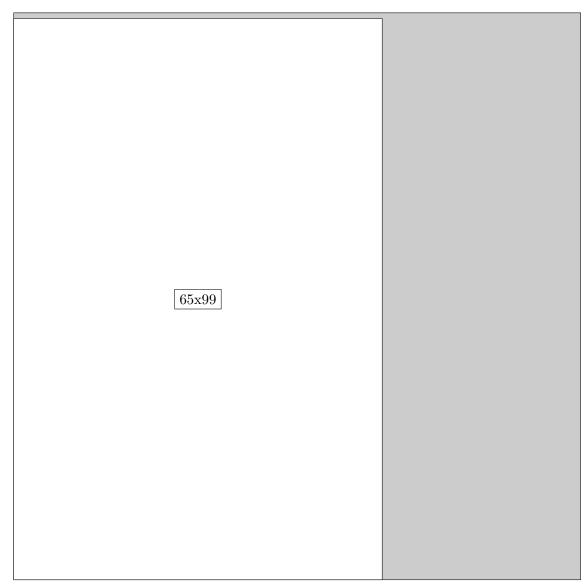
w = 83, h = 79, x = 0, y = 0, v = 6557



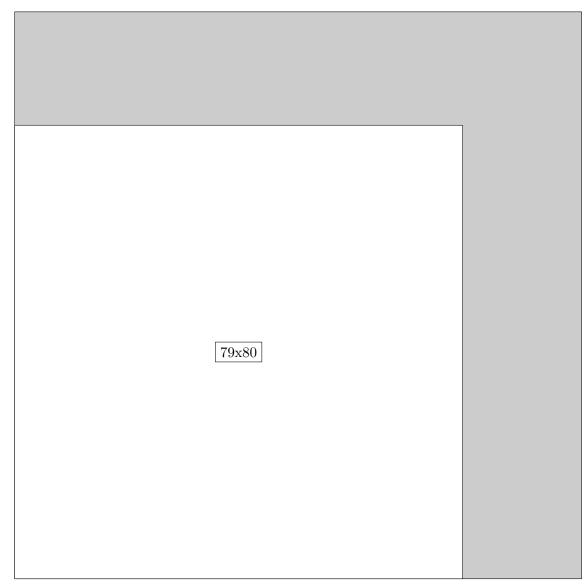
 $\overline{\rm w}$ =98 , h =66 , x =0 , y =0 , v =6468



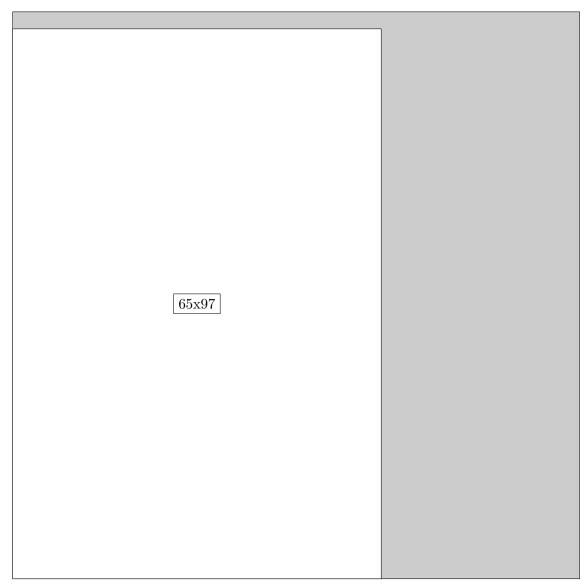
w = 87, h = 74, x = 0, y = 0, v = 6438



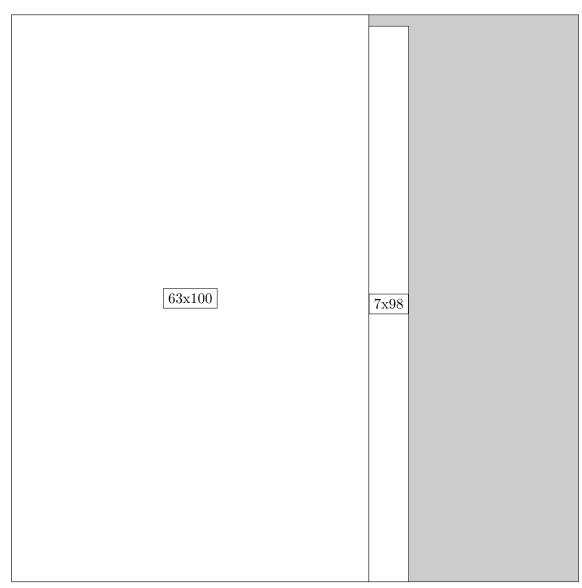
w = 65, h = 99, x = 0, y = 0, v = 6435



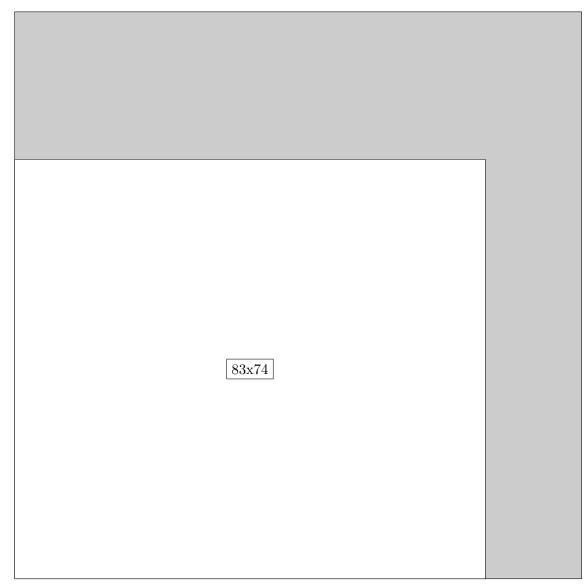
w = 79, h = 80, x = 0, y = 0, v = 6320



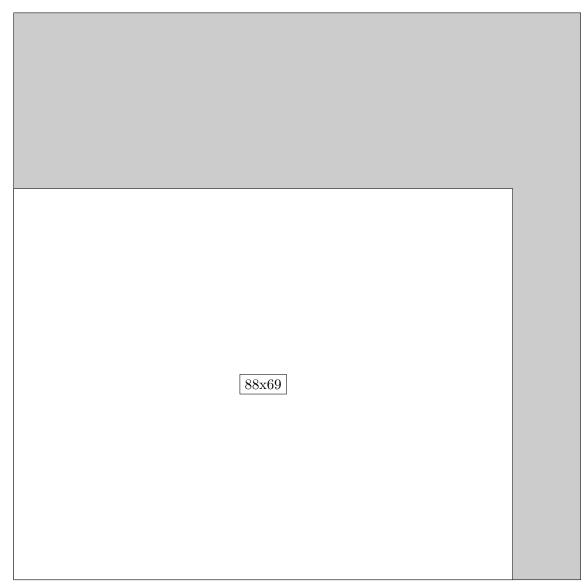
w = 65, h = 97, x = 0, y = 0, v = 6305



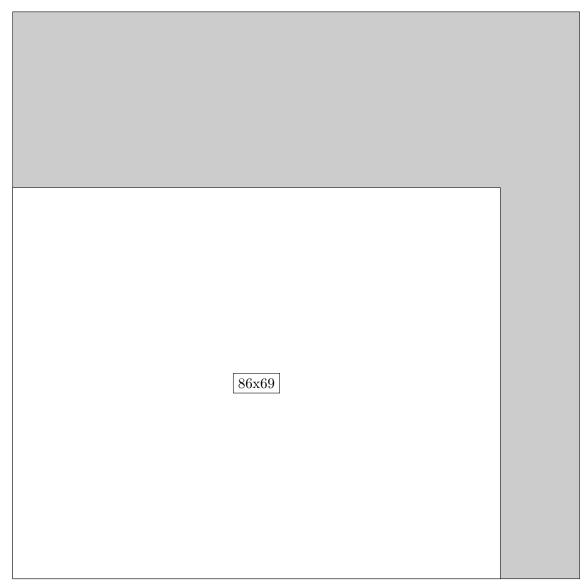
 $\begin{array}{l} w = \! 63 \ , \ h = \! 100 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 6300 \\ w = \! 7 \ , \ h = \! 98 \ , \ x = \! 63 \ , \ y = \! 0 \ , \ v = \! 686 \end{array}$



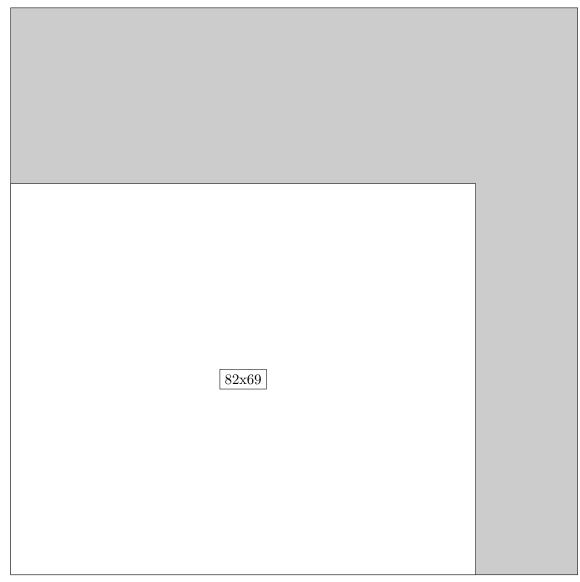
w = 83, h = 74, x = 0, y = 0, v = 6142



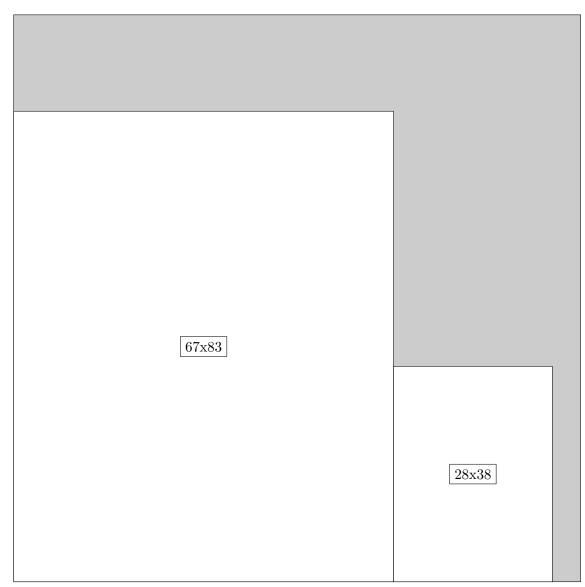
 $\le =88$, h =69 , x =0 , y =0 , v =6072

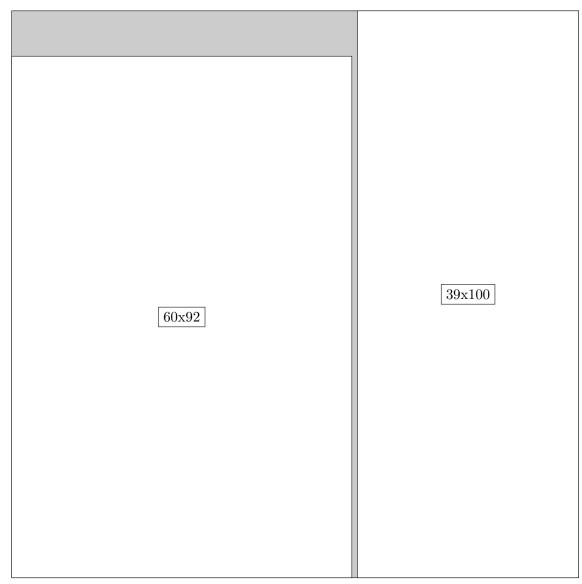


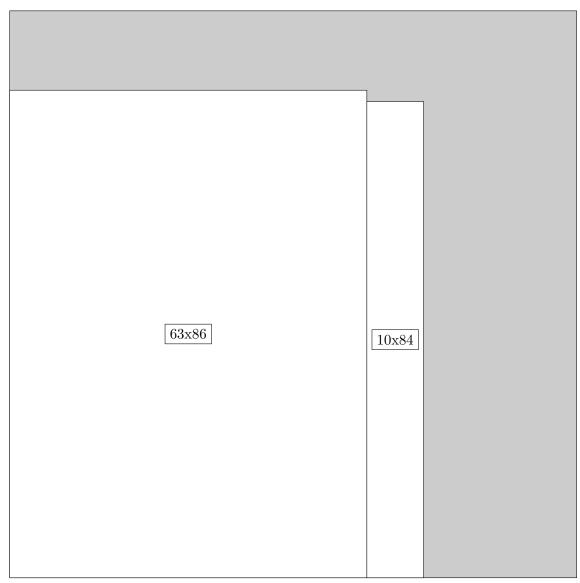
 $\le =86$, h =69 , x =0 , y =0 , v =5934

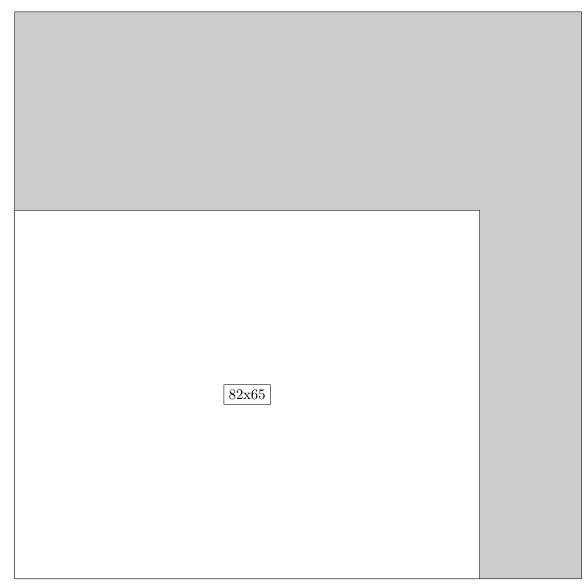


 $\le =82$, h =69 , x =0 , y =0 , v =5658

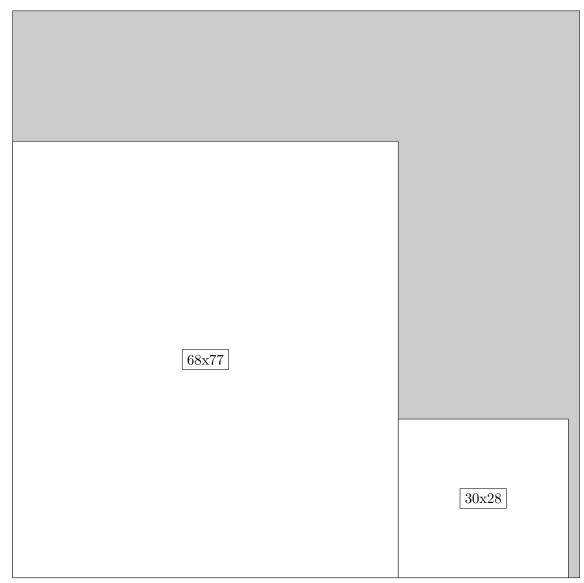


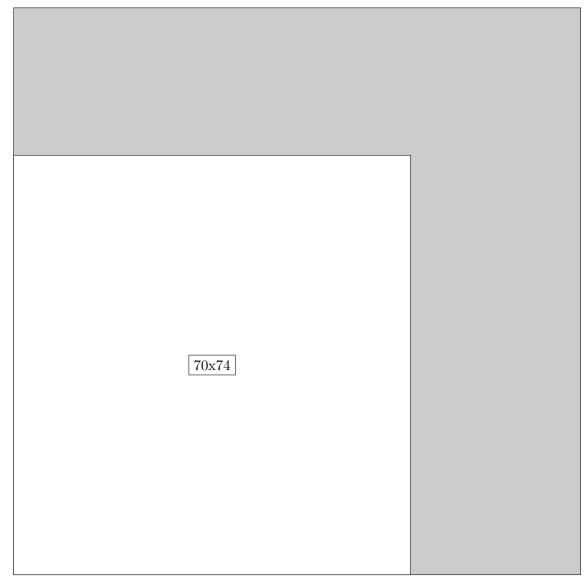




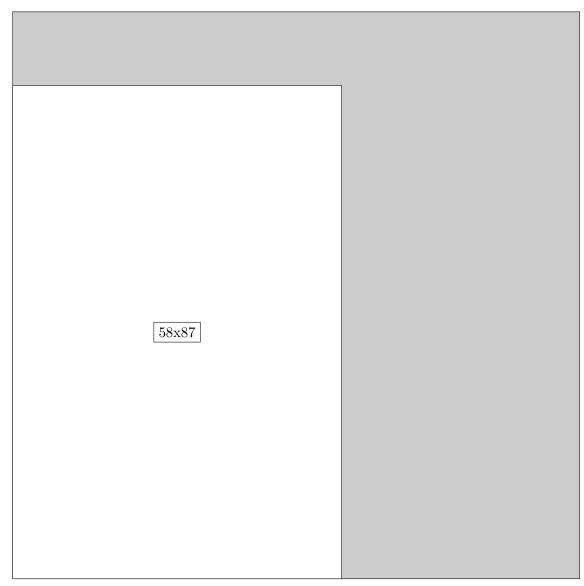


 $\le =82$, h =65 , x =0 , y =0 , v =5330





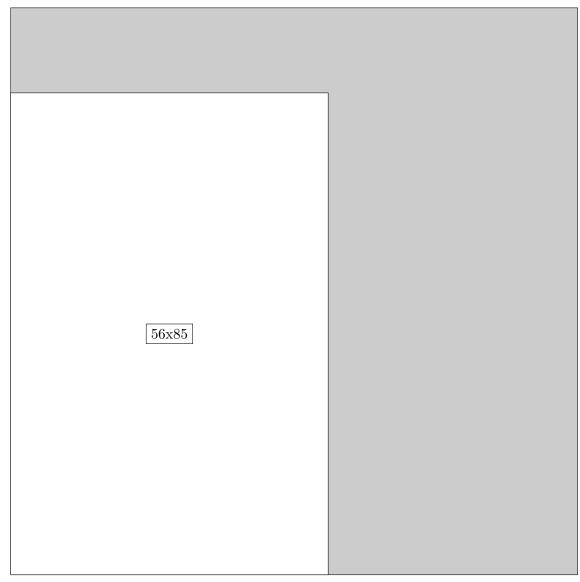
w = 70, h = 74, x = 0, y = 0, v = 5180



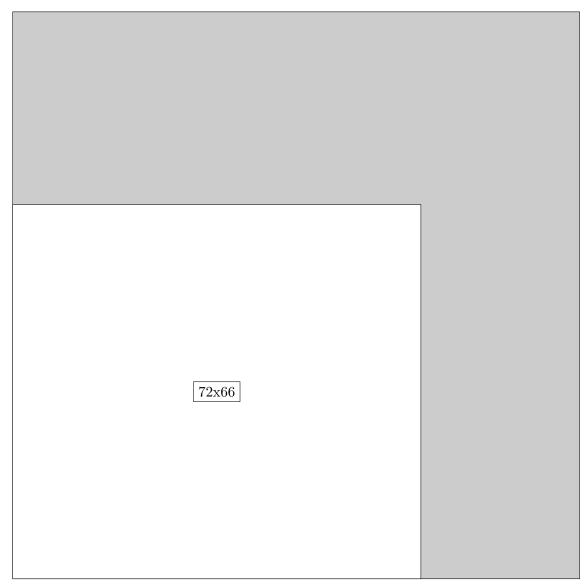
w = 58, h = 87, x = 0, y = 0, v = 5046



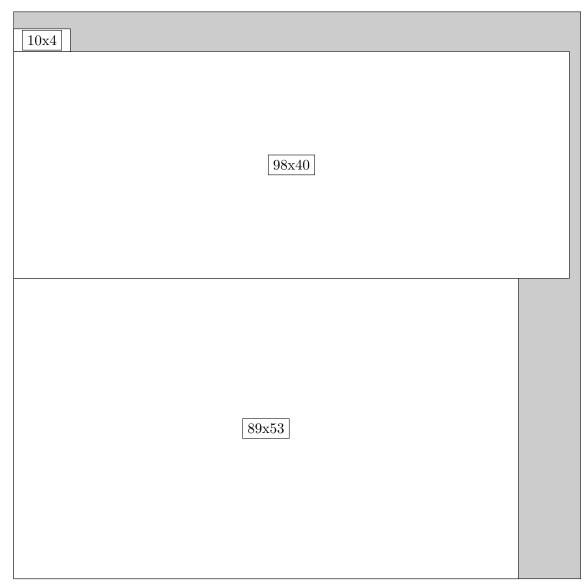
w = 74, h = 67, x = 0, y = 0, v = 4958



w = 56, h = 85, x = 0, y = 0, v = 4760



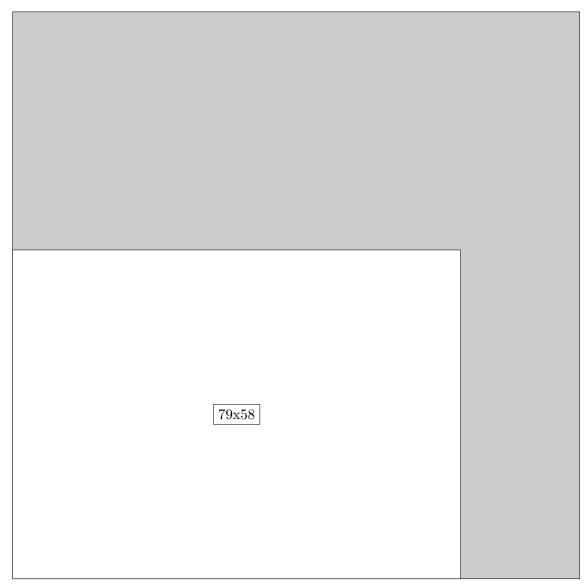
w = 72, h = 66, x = 0, y = 0, v = 4752



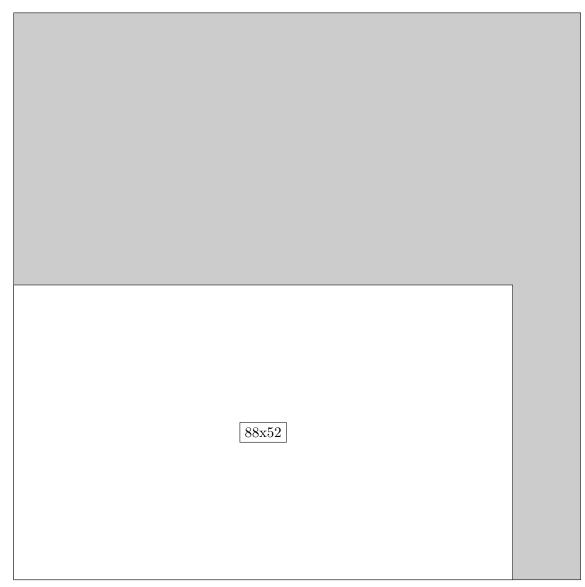
$$\begin{array}{l} w = \! 89 \ , \ h = \! 53 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 4717 \\ w = \! 98 \ , \ h = \! 40 \ , \ x = \! 0 \ , \ y = \! 53 \ , \ v = \! 3920 \\ w = \! 10 \ , \ h = \! 4 \ , \ x = \! 0 \ , \ y = \! 93 \ , \ v = \! 40 \end{array}$$



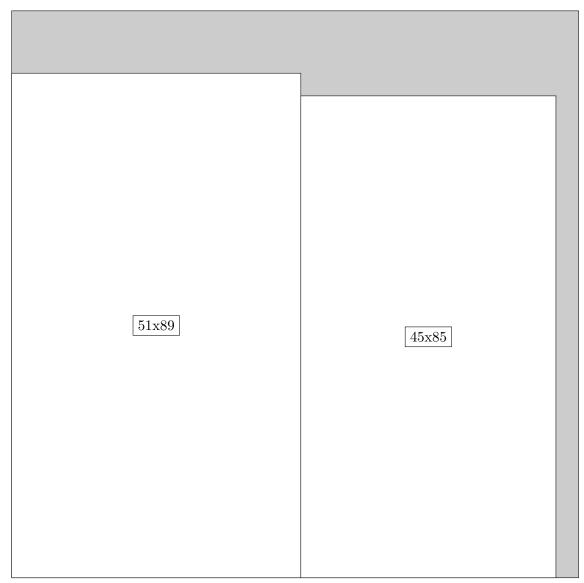
$$\begin{array}{l} w = \! 84 \ , \, h = \! 55 \ , \, x = \! 0 \ , \, y = \! 0 \ , \, v = \! 4620 \\ w = \! 73 \ , \, h = \! 8 \ , \, x = \! 0 \ , \, y = \! 55 \ , \, v = \! 584 \end{array}$$



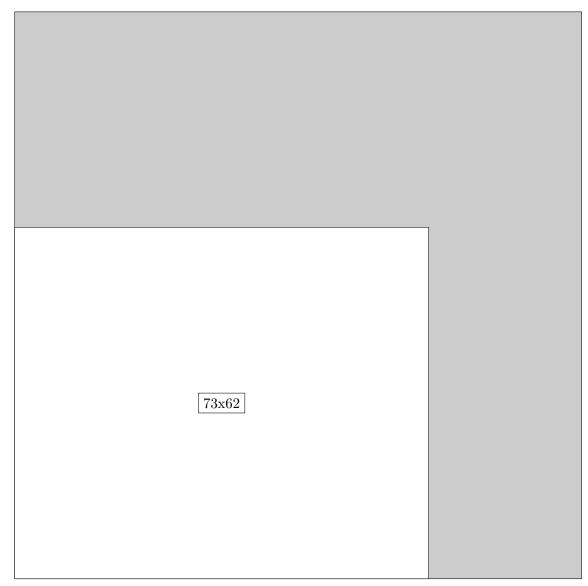
w = 79, h = 58, x = 0, y = 0, v = 4582



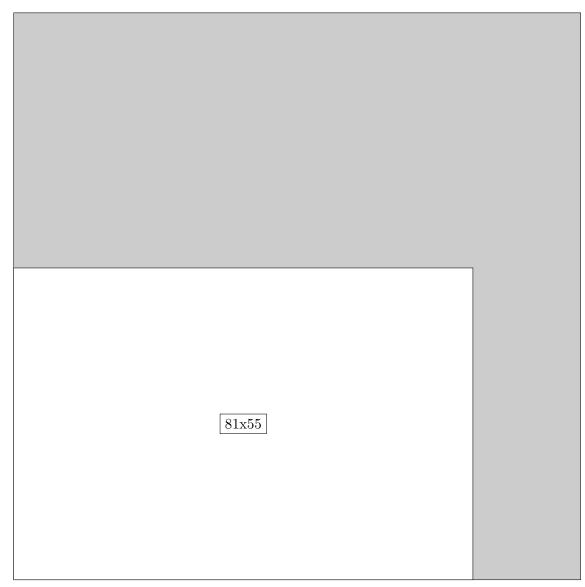
 $\le =88$, h =52 , x =0 , y =0 , v =4576



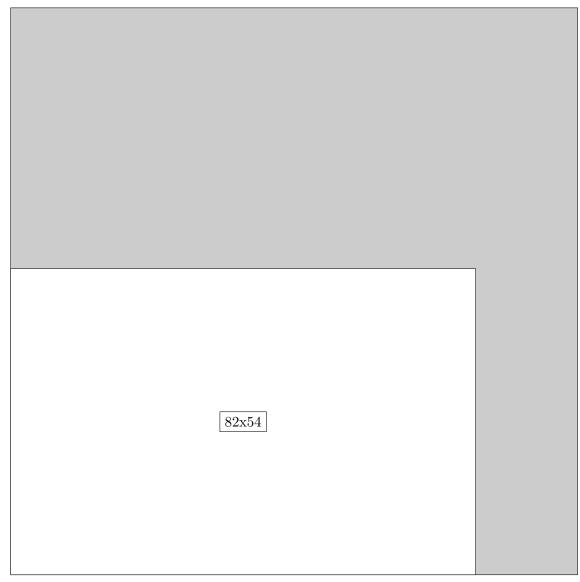
$$\begin{array}{l} w = \!\! 51 \ , \ h = \!\! 89 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 4539 \\ w = \!\! 45 \ , \ h = \!\! 85 \ , \ x = \!\! 51 \ , \ y = \!\! 0 \ , \ v = \!\! 3825 \end{array}$$



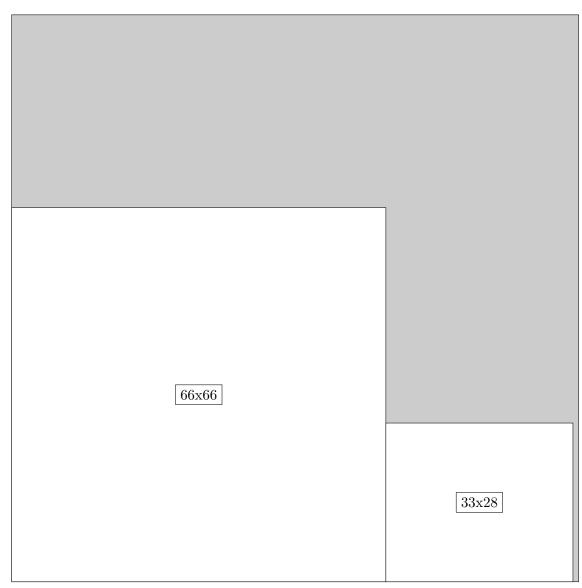
w = 73, h = 62, x = 0, y = 0, v = 4526

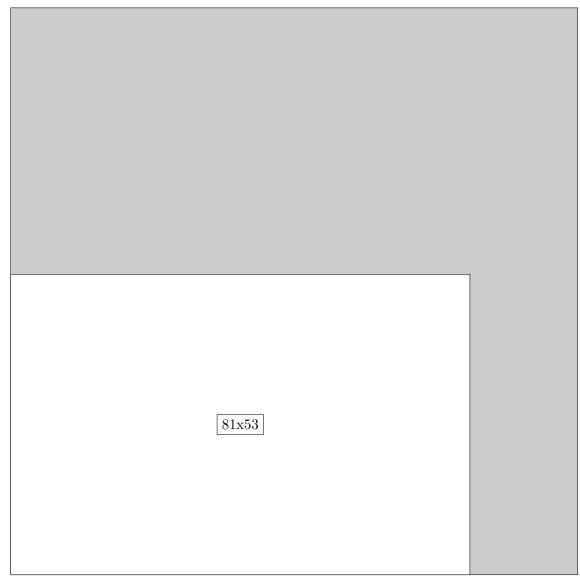


 $\le =81$, h =55 , x =0 , y =0 , v =4455

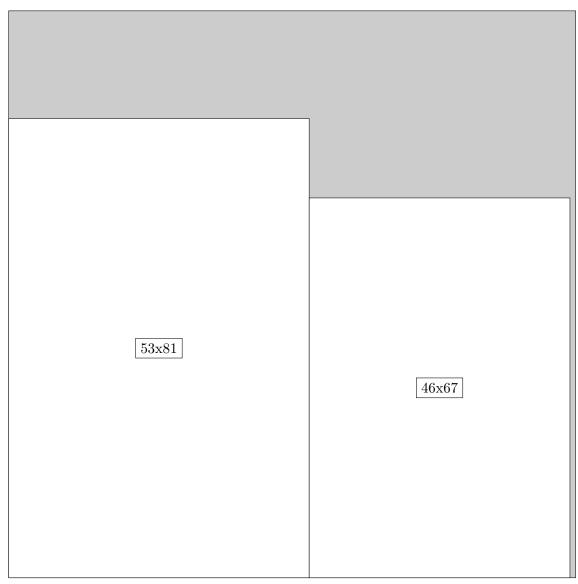


 $\le =82$, h =54 , x =0 , y =0 , v =4428

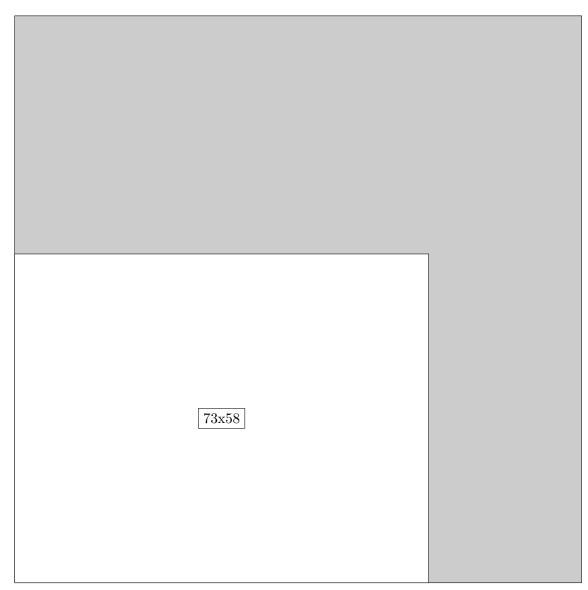




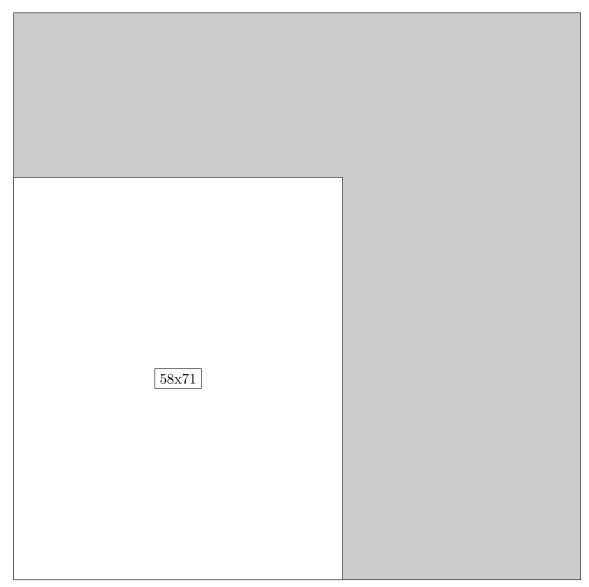
w = 81, h = 53, x = 0, y = 0, v = 4293



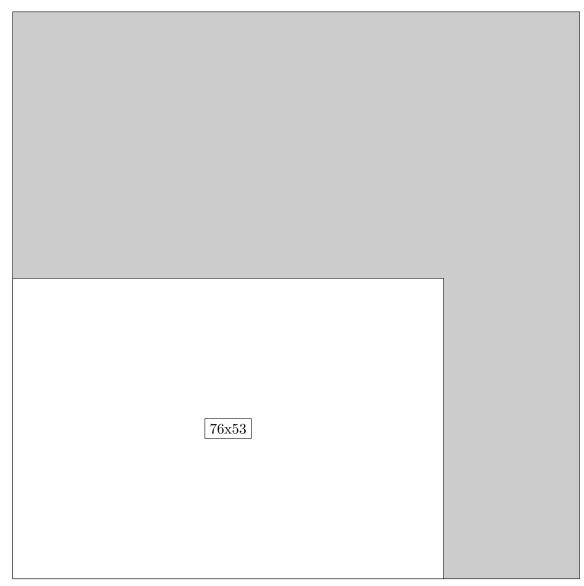
$$\begin{array}{c} w = \!\! 53 \; , \; h = \!\! 81 \; , \; x = \!\! 0 \; , \; y = \!\! 0 \; , \; v = \!\! 4293 \\ w = \!\! 46 \; , \; h = \!\! 67 \; , \; x = \!\! 53 \; , \; y = \!\! 0 \; , \; v = \!\! 3082 \\ \end{array}$$



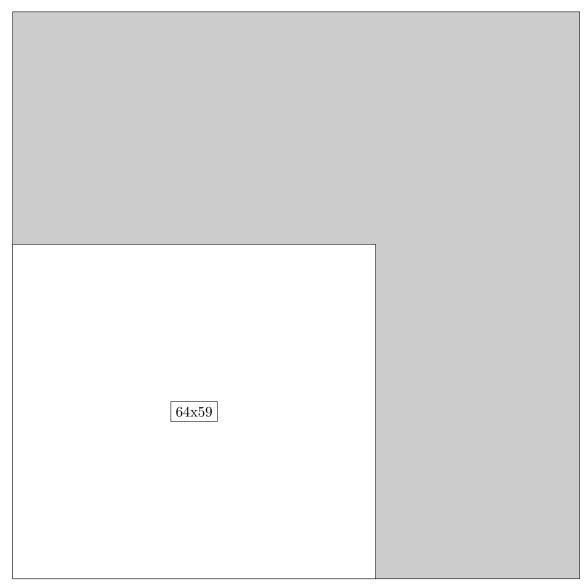
w = 73, h = 58, x = 0, y = 0, v = 4234



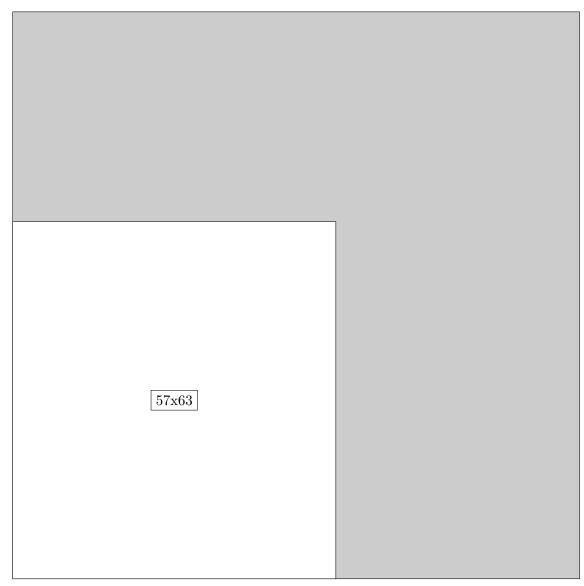
w = 58, h = 71, x = 0, y = 0, v = 4118



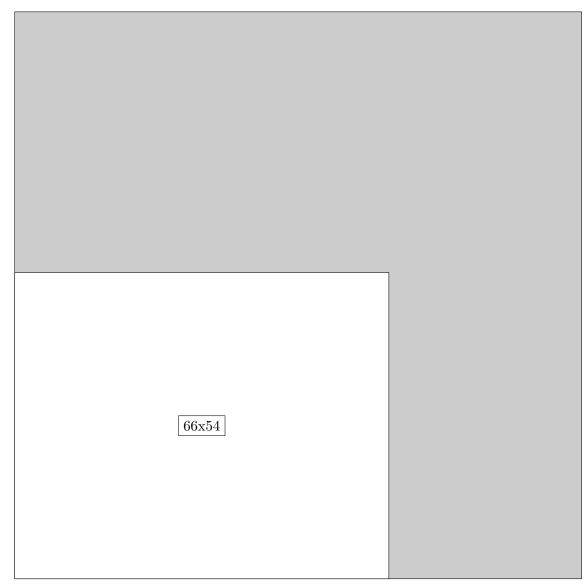
w = 76, h = 53, x = 0, y = 0, v = 4028



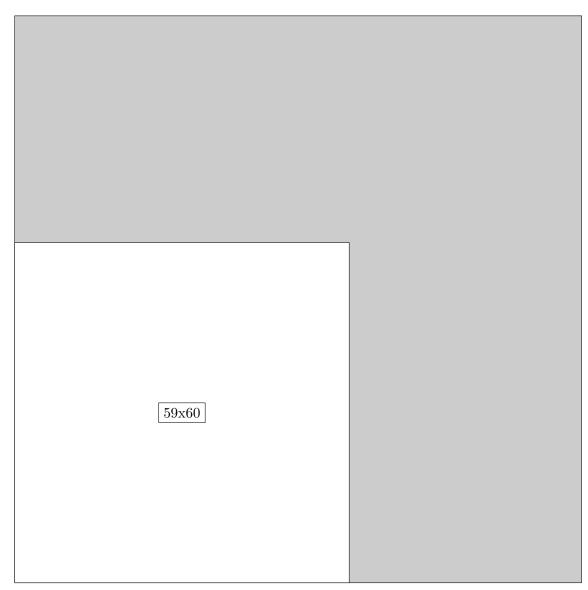
w = 64, h = 59, x = 0, y = 0, v = 3776



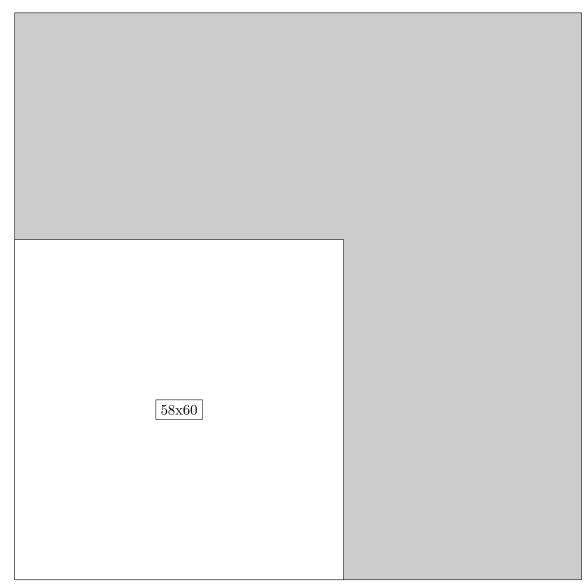
w = 57, h = 63, x = 0, y = 0, v = 3591



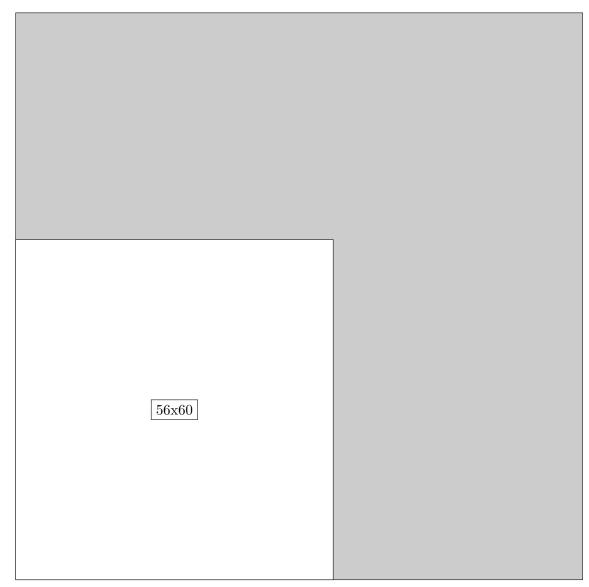
w = 66, h = 54, x = 0, y = 0, v = 3564



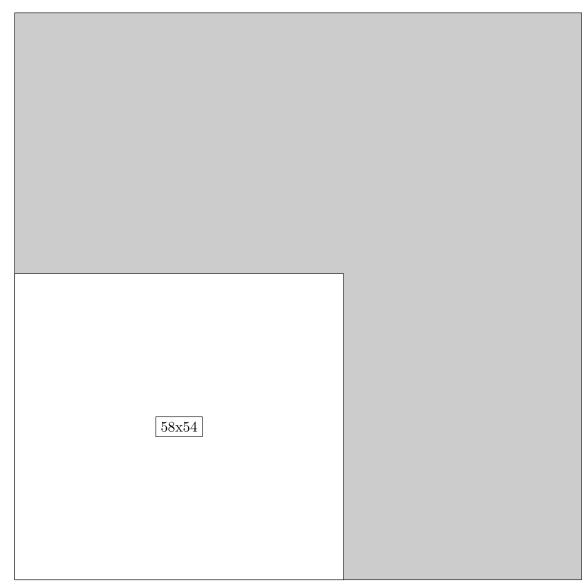
 $\overline{w} = 59$, h = 60, x = 0, y = 0, v = 3540



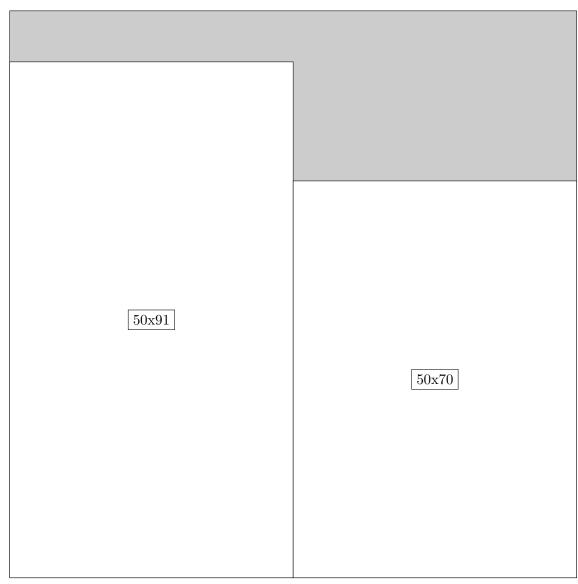
w = 58, h = 60, x = 0, y = 0, v = 3480

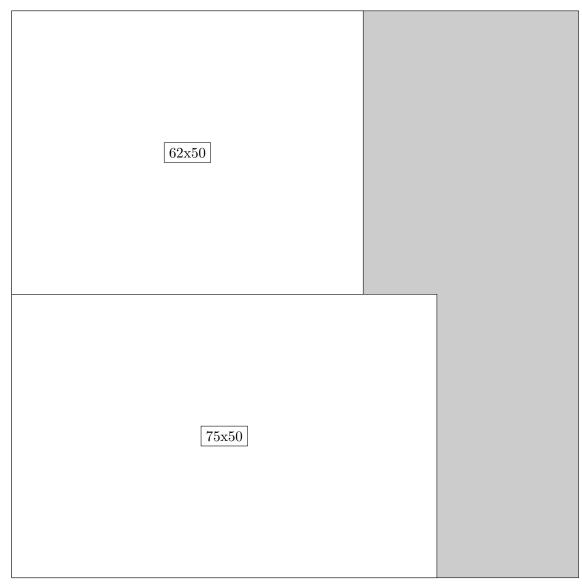


 $\overline{w} = 56$, h = 60, x = 0, y = 0, v = 3360



w = 58, h = 54, x = 0, y = 0, v = 3132





$$\begin{array}{l} w = \!\!62 \ , \ h = \!\!50 \ , \ x = \!\!0 \ , \ y = \!\!50 \ , \ v = \!\!3100 \\ w = \!\!75 \ , \ h = \!\!50 \ , \ x = \!\!0 \ , \ y = \!\!0 \ , \ v = \!\!3750 \end{array}$$