$ClassName: \ Class\_09.2bp-32$ 

BinSize:  $100 \times 100$ ReduceSize:  $100 \times 100$ 

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

LB0: **57** LB: **57** 

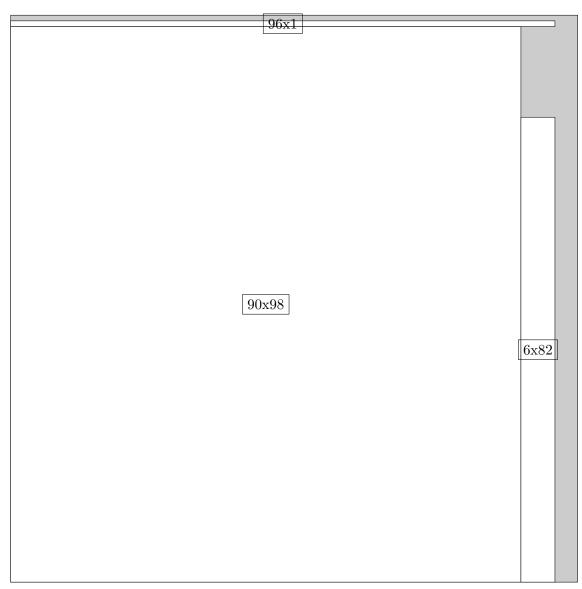
LBWithCut: **57** NodeCut: **0** 

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

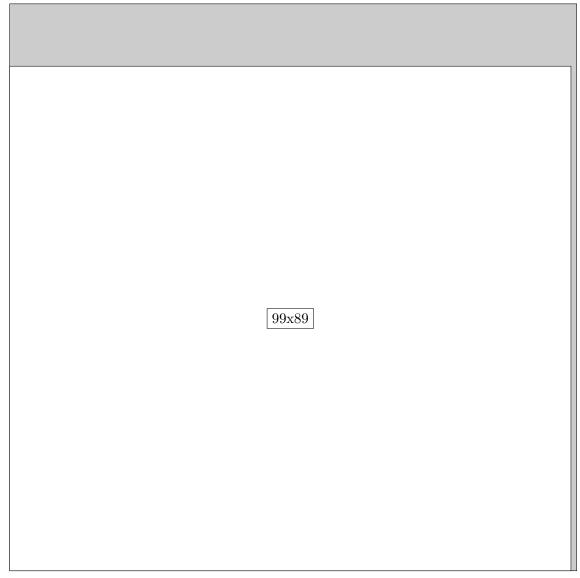
GenNodeCnt:  $\mathbf{1}$ PrimalNode:  $\mathbf{0}$ ColumnCount: 57  $TotalCutCount: \ \mathbf{0}$ RootCutCount:  $\underline{\mathbf{0}}$ LPSolverCnt:  $\underline{\mathbf{1}}$ PricingSolverCnt:  $\underline{\mathbf{0}}$ BranchAndBoundNum:  $\underline{\mathbf{1}}$ 

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

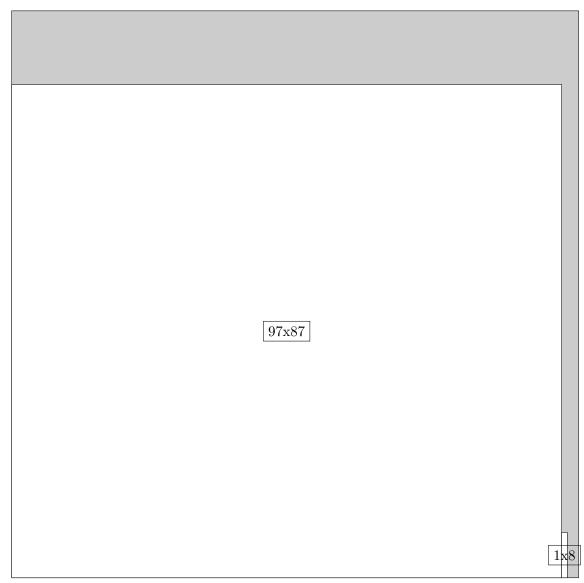
TimeOnInitSolution:  $\underline{0.250 \text{ s}}$ TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 s TimeOnRmp: 0.062 sTotalTime: 0.375 s



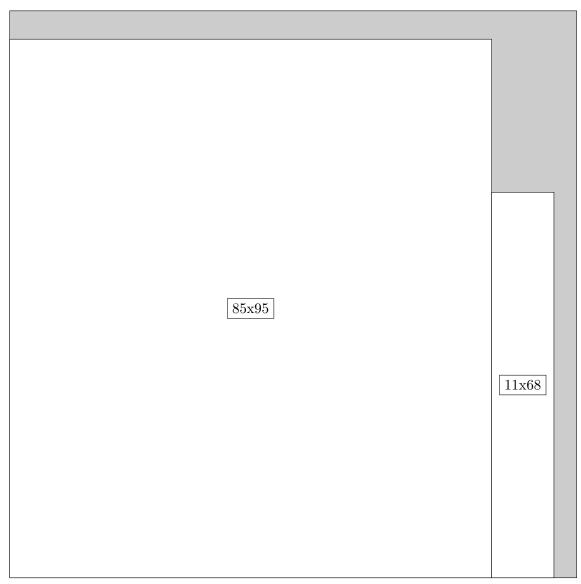
 $\begin{array}{l} w = \! 90 \; , \; h = \! 98 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 8820 \\ w = \! 6 \; , \; h = \! 82 \; , \; x = \! 90 \; , \; y = \! 0 \; , \; v = \! 492 \\ w = \! 96 \; , \; h = \! 1 \; , \; x = \! 0 \; , \; y = \! 98 \; , \; v = \! 96 \end{array}$ 



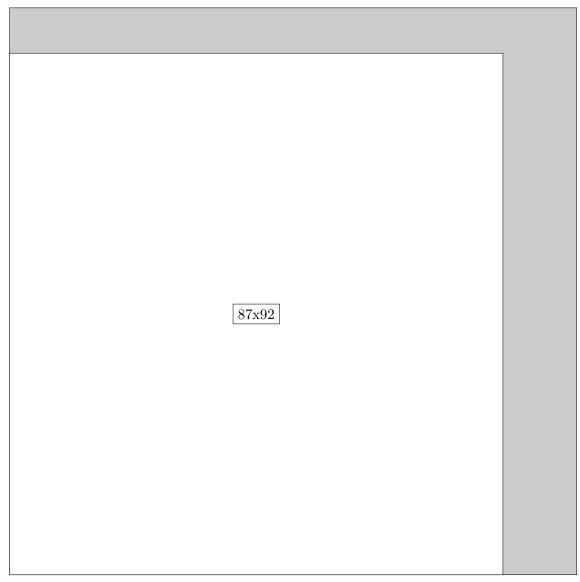
 $\le =99$  , h =89 , x =0 , y =0 , v =8811



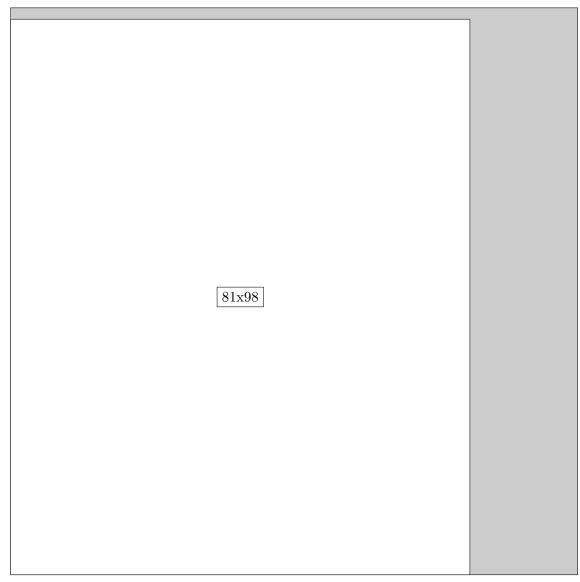
$$\begin{array}{l} w = \! 97 \ , \ h = \! 87 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 8439 \\ w = \! 1 \ , \ h = \! 8 \ , \ x = \! 97 \ , \ y = \! 0 \ , \ v = \! 8 \end{array}$$



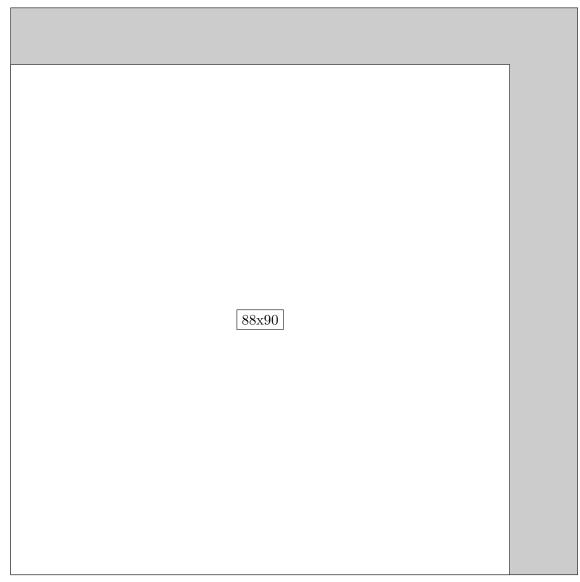
$$\begin{array}{c} w = \! 85 \; , \; h = \! 95 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 8075 \\ w = \! 11 \; , \; h = \! 68 \; , \; x = \! 85 \; , \; y = \! 0 \; , \; v = \! 748 \\ \end{array}$$



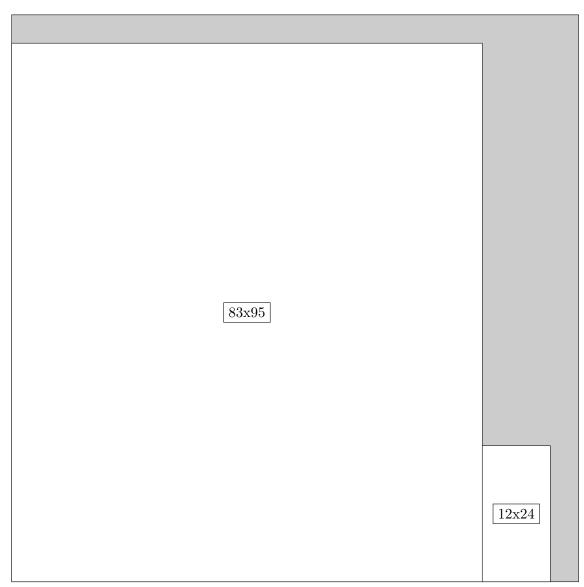
w = 87, h = 92, x = 0, y = 0, v = 8004

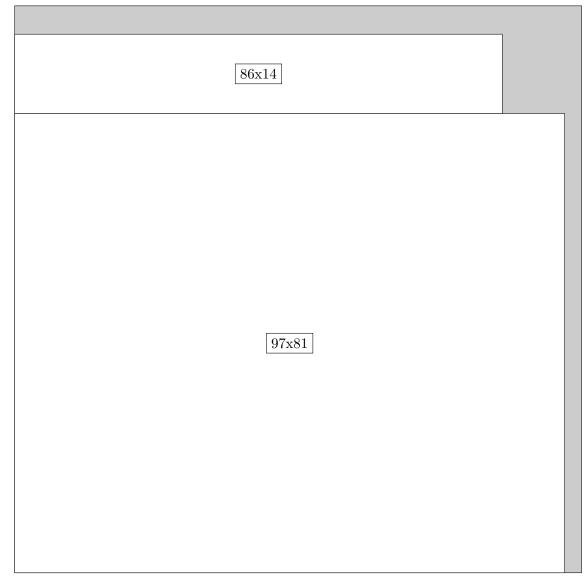


w = 81, h = 98, x = 0, y = 0, v = 7938

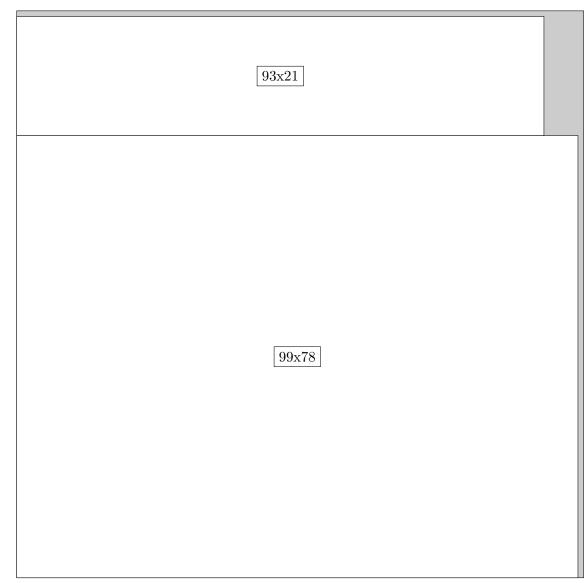


 $\le =88$  , h =90 , x =0 , y =0 , v =7920

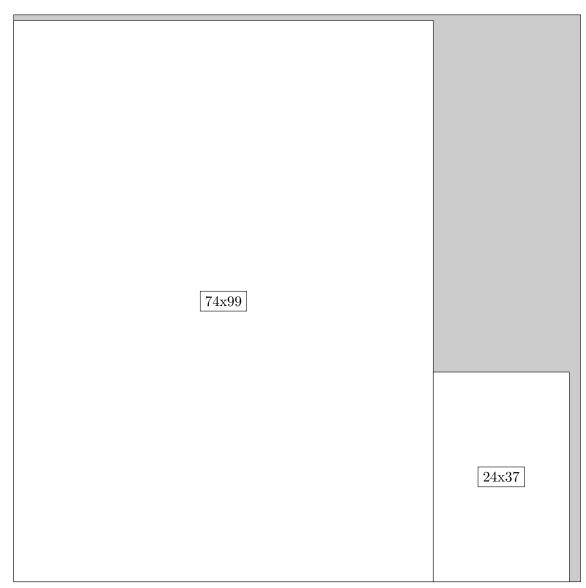


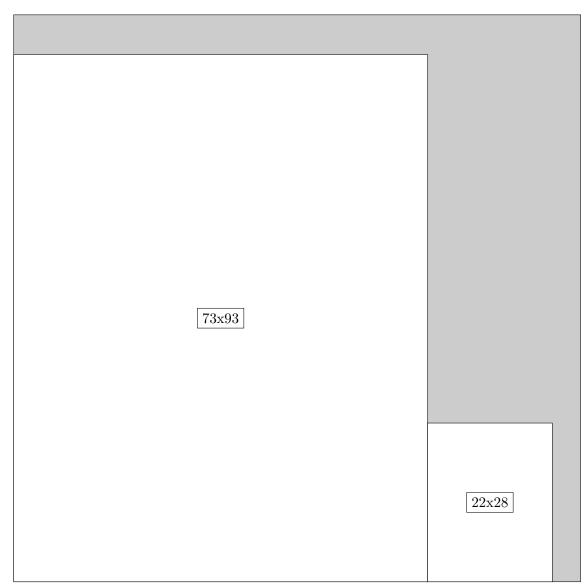


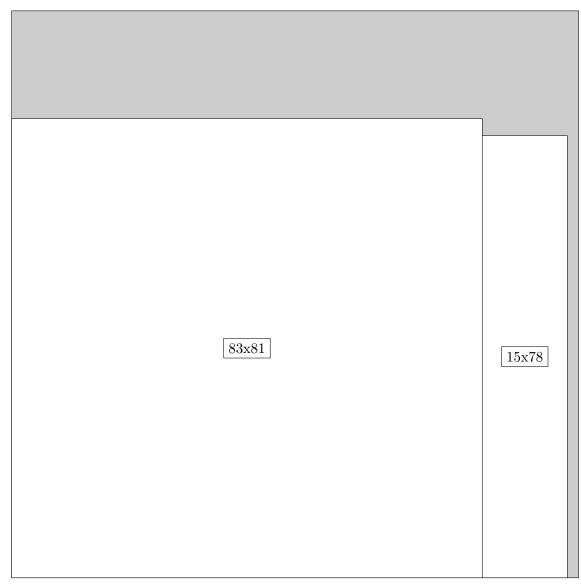
$$\begin{array}{l} w = \! 97 \ , \ h = \! 81 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 7857 \\ w = \! 86 \ , \ h = \! 14 \ , \ x = \! 0 \ , \ y = \! 81 \ , \ v = \! 1204 \end{array}$$



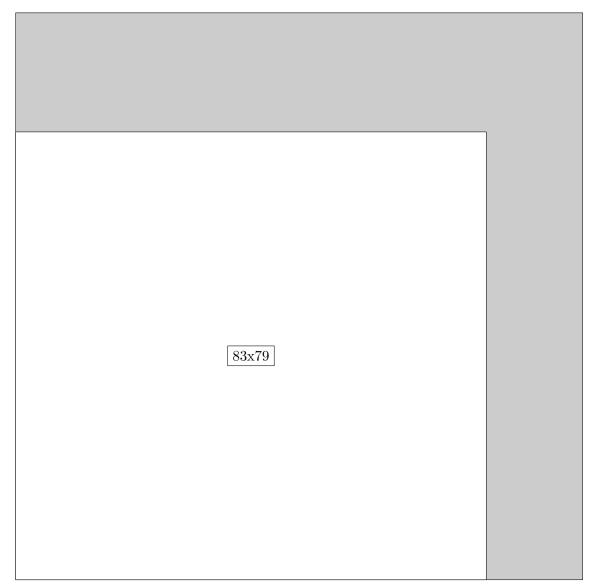
$$\begin{array}{c} w = 99 \ , \ h = 78 \ , \ x = 0 \ , \ y = 0 \ , \ v = 7722 \\ w = 93 \ , \ h = 21 \ , \ x = 0 \ , \ y = 78 \ , \ v = 1953 \\ \end{array}$$



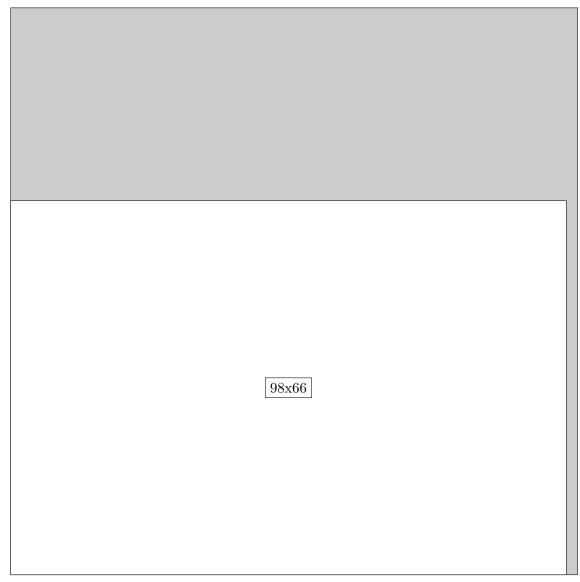




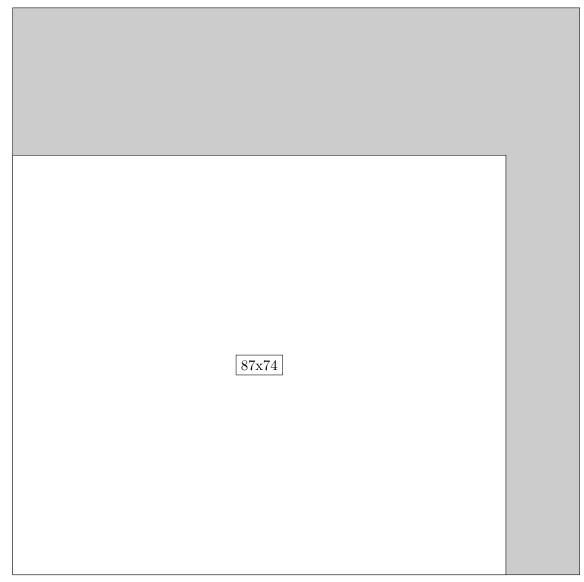
$$\begin{array}{c} w = \! 83 \; , \; h = \! 81 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 6723 \\ w = \! 15 \; , \; h = \! 78 \; , \; x = \! 83 \; , \; y = \! 0 \; , \; v = \! 1170 \\ \end{array}$$



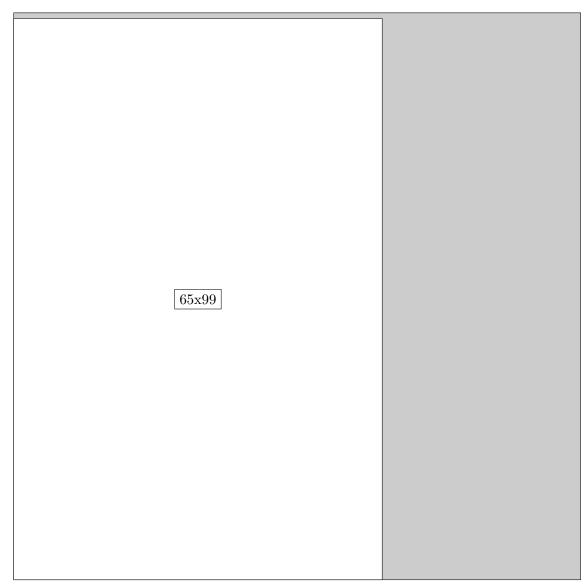
w = 83, h = 79, x = 0, y = 0, v = 6557



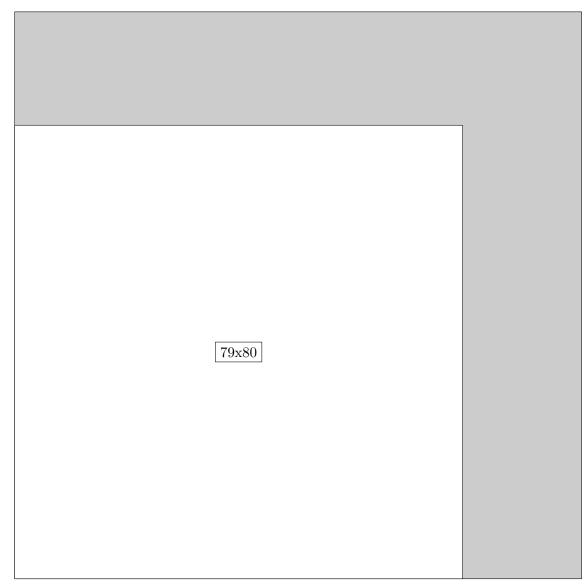
 $\overline{\rm w}$  =98 , h =66 , x =0 , y =0 , v =6468



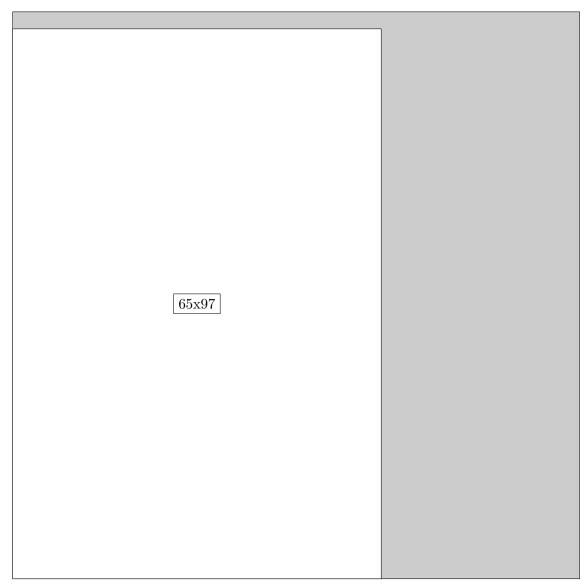
w = 87, h = 74, x = 0, y = 0, v = 6438



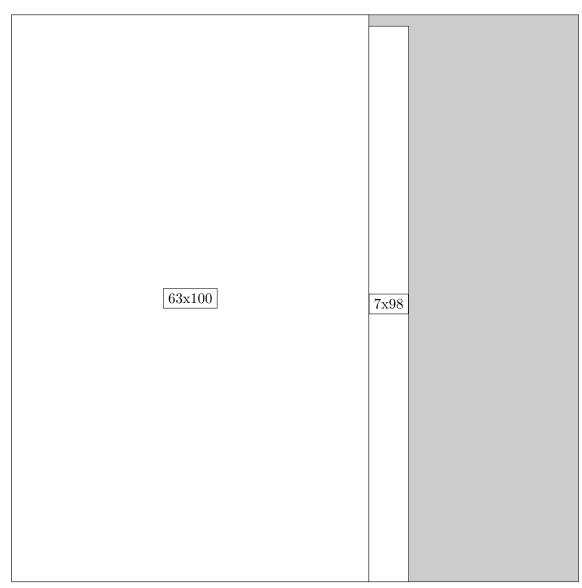
w = 65, h = 99, x = 0, y = 0, v = 6435



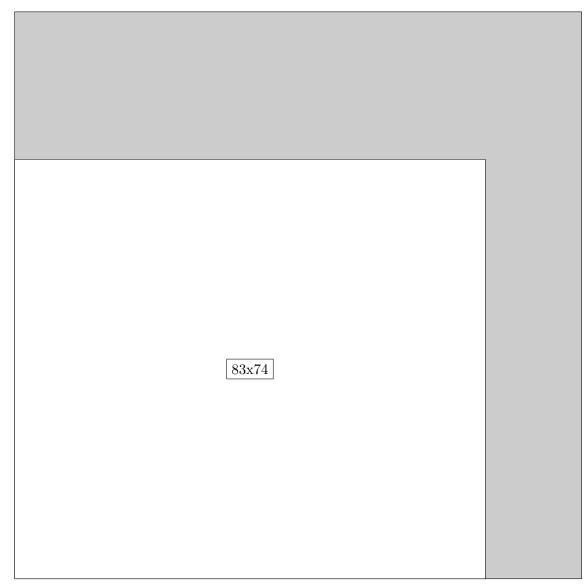
w = 79, h = 80, x = 0, y = 0, v = 6320



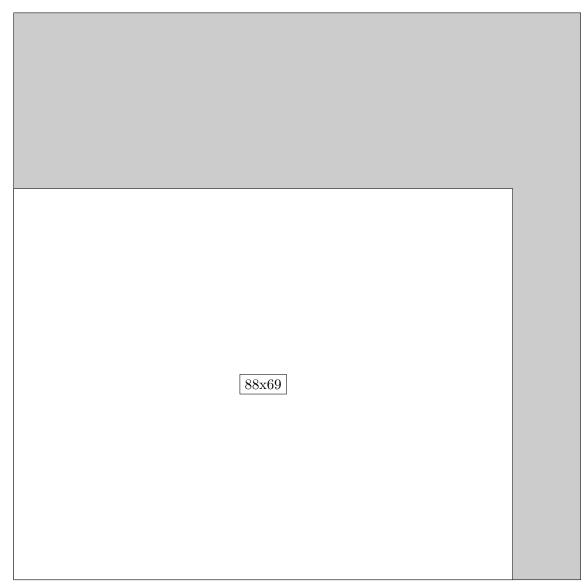
w = 65, h = 97, x = 0, y = 0, v = 6305



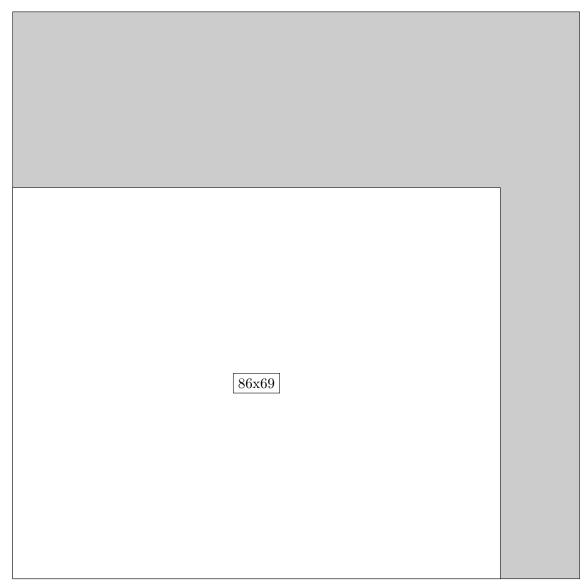
 $\begin{array}{l} w = \!\!63 \ , \ h = \!\!100 \ , \ x = \!\!0 \ , \ y = \!\!0 \ , \ v = \!\!6300 \\ w = \!\!7 \ , \ h = \!\!98 \ , \ x = \!\!63 \ , \ y = \!\!0 \ , \ v = \!\!686 \end{array}$ 



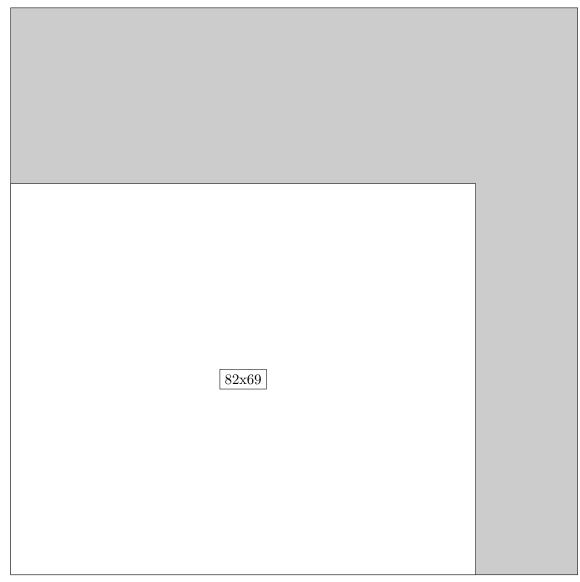
w = 83, h = 74, x = 0, y = 0, v = 6142



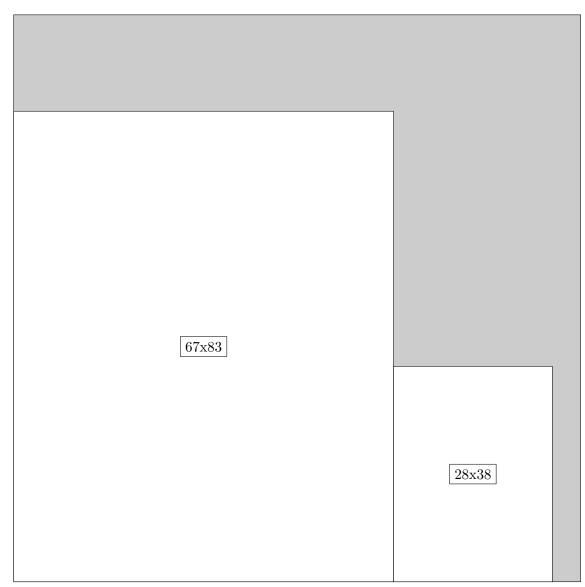
 $\le =88$  , h =69 , x =0 , y =0 , v =6072

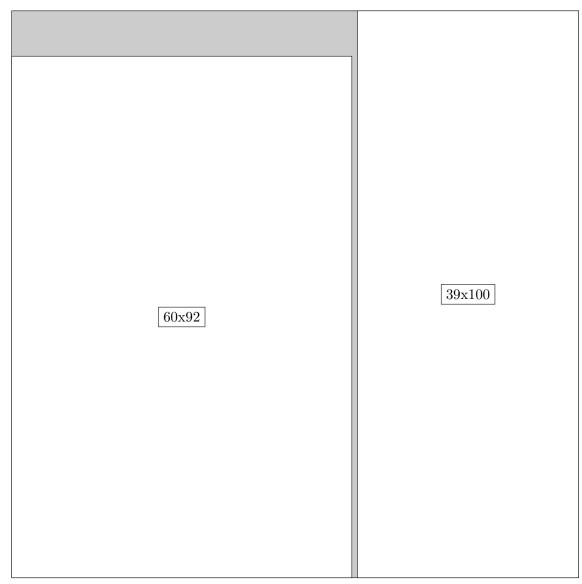


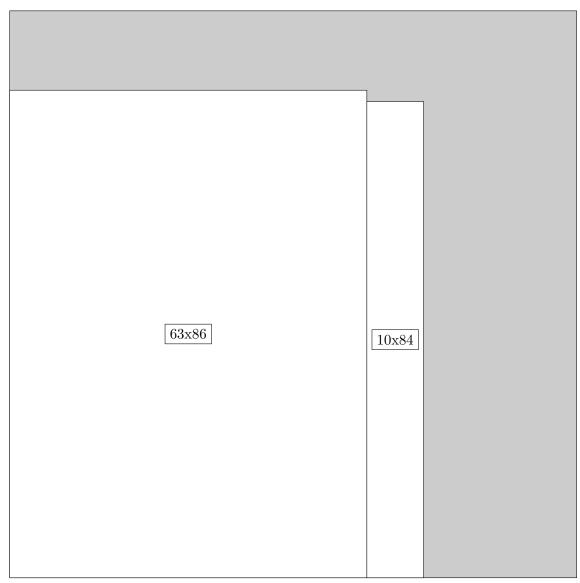
 $\le =86$  , h =69 , x =0 , y =0 , v =5934

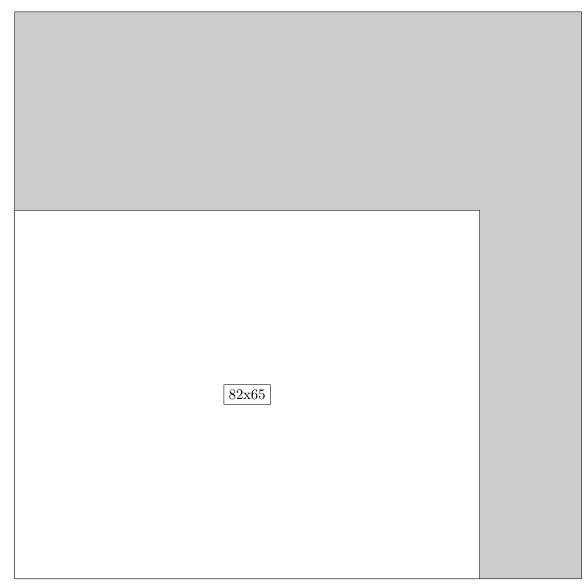


 $\le =82$  , h =69 , x =0 , y =0 , v =5658

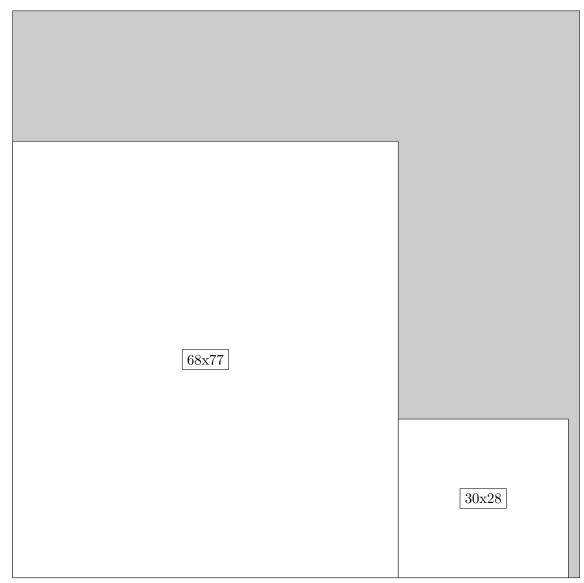


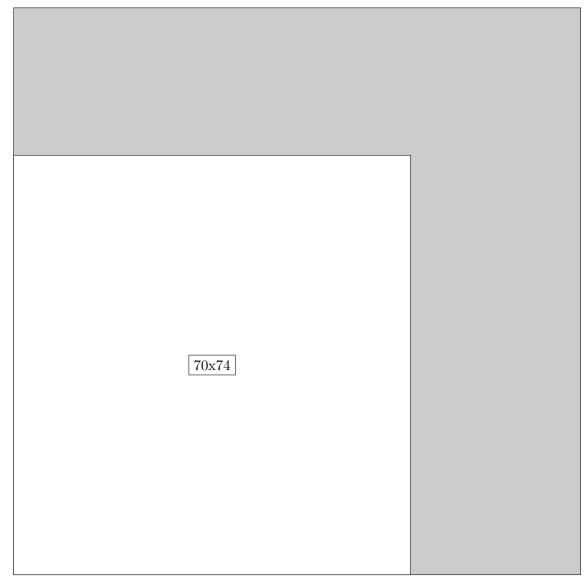




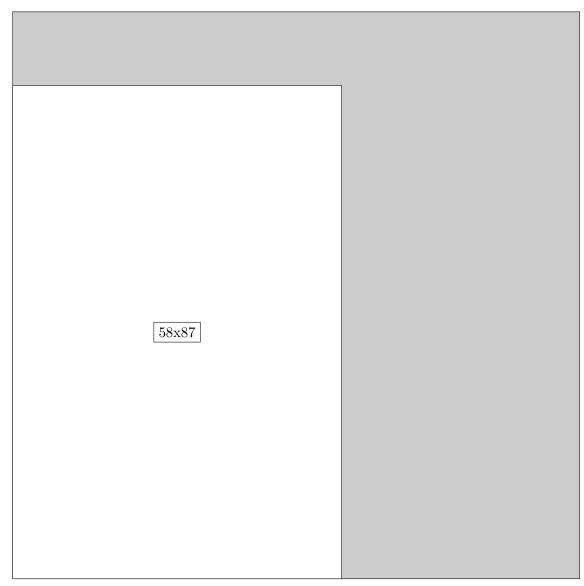


 $\le =82$  , h =65 , x =0 , y =0 , v =5330





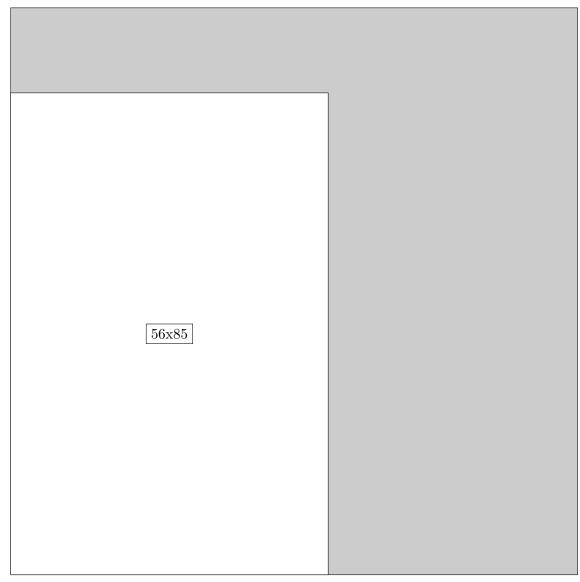
w = 70, h = 74, x = 0, y = 0, v = 5180



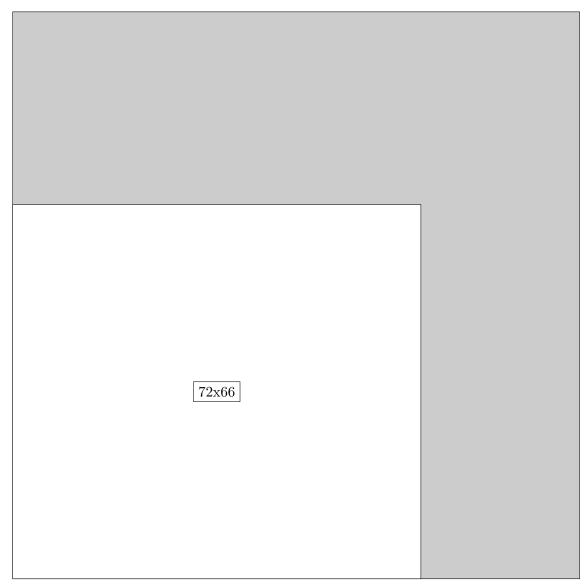
w = 58, h = 87, x = 0, y = 0, v = 5046



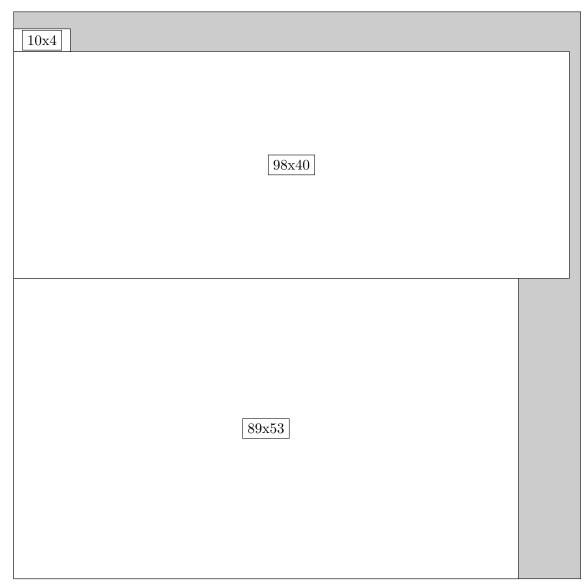
w = 74, h = 67, x = 0, y = 0, v = 4958



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



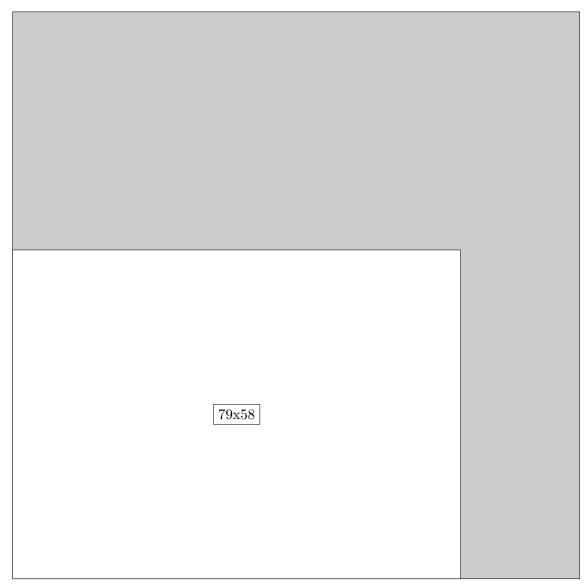
w = 72, h = 66, x = 0, y = 0, v = 4752



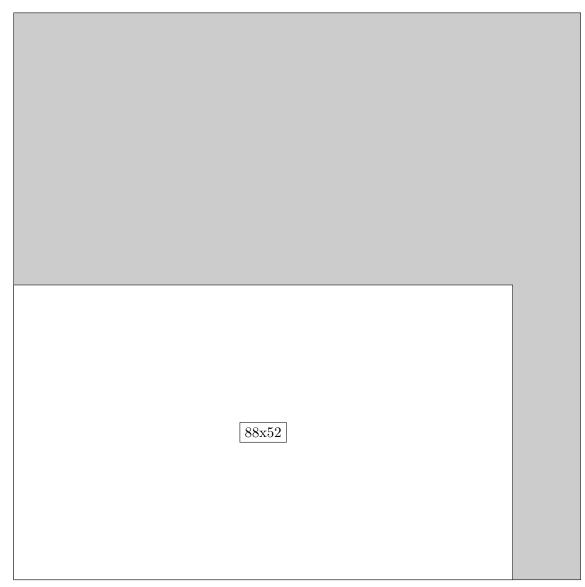
$$\begin{array}{l} w = \! 89 \ , \ h = \! 53 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 4717 \\ w = \! 98 \ , \ h = \! 40 \ , \ x = \! 0 \ , \ y = \! 53 \ , \ v = \! 3920 \\ w = \! 10 \ , \ h = \! 4 \ , \ x = \! 0 \ , \ y = \! 93 \ , \ v = \! 40 \end{array}$$



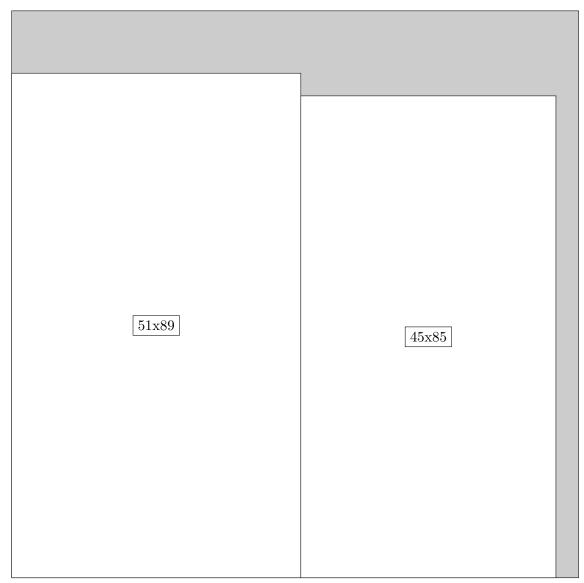
$$\begin{array}{l} w = \! 84 \ , \, h = \! 55 \ , \, x = \! 0 \ , \, y = \! 0 \ , \, v = \! 4620 \\ w = \! 73 \ , \, h = \! 8 \ , \, x = \! 0 \ , \, y = \! 55 \ , \, v = \! 584 \end{array}$$



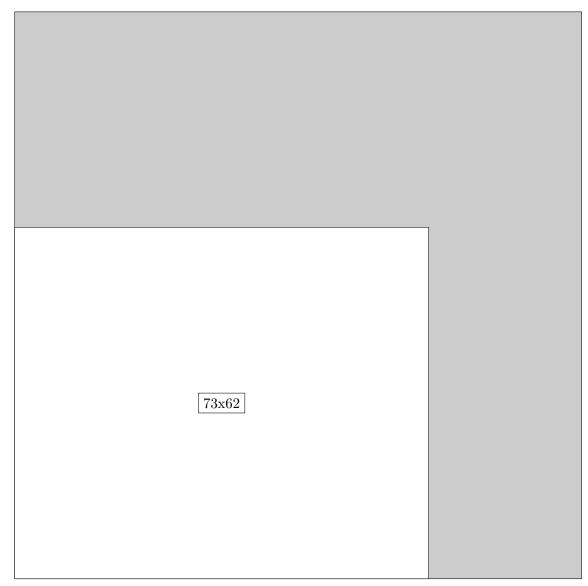
w = 79, h = 58, x = 0, y = 0, v = 4582



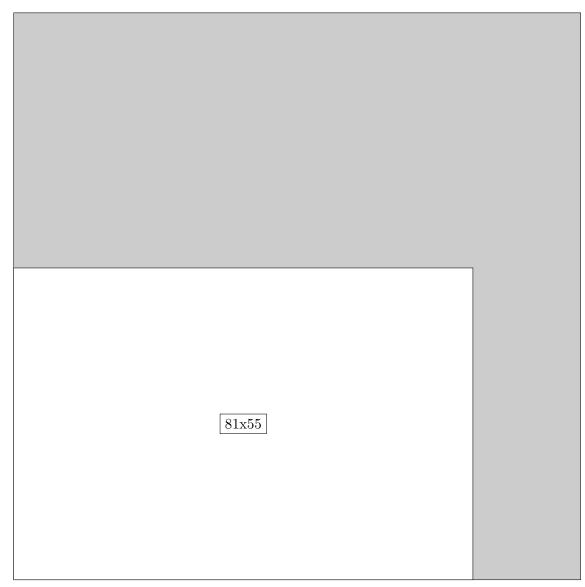
 $\le =88$  , h =52 , x =0 , y =0 , v =4576



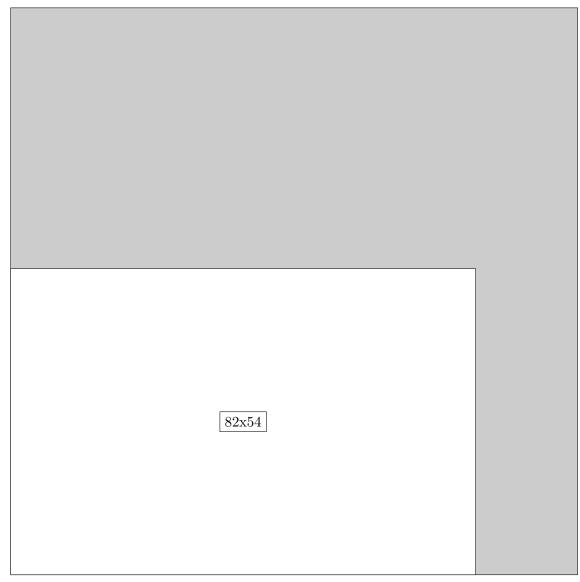
$$\begin{array}{l} w = \!\! 51 \ , \ h = \!\! 89 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 4539 \\ w = \!\! 45 \ , \ h = \!\! 85 \ , \ x = \!\! 51 \ , \ y = \!\! 0 \ , \ v = \!\! 3825 \end{array}$$



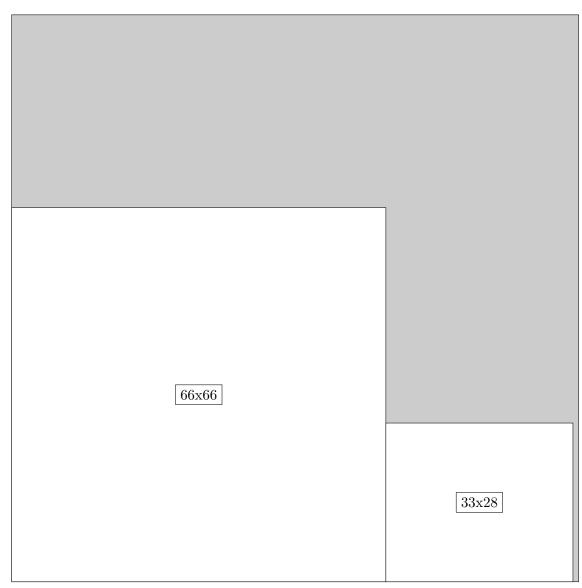
w = 73, h = 62, x = 0, y = 0, v = 4526

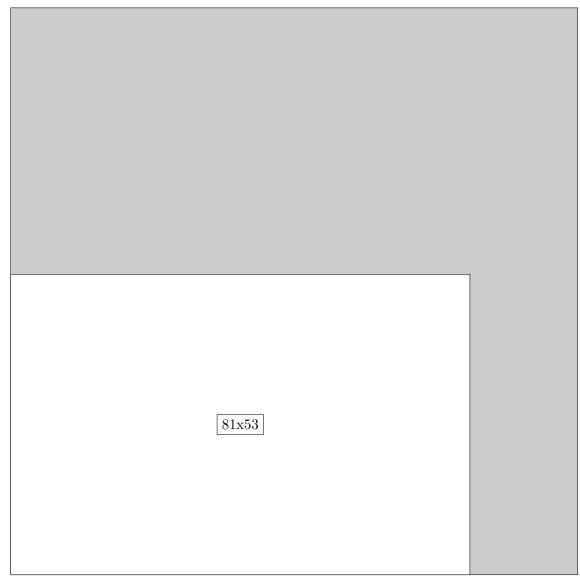


 $\le =81$  , h =55 , x =0 , y =0 , v =4455

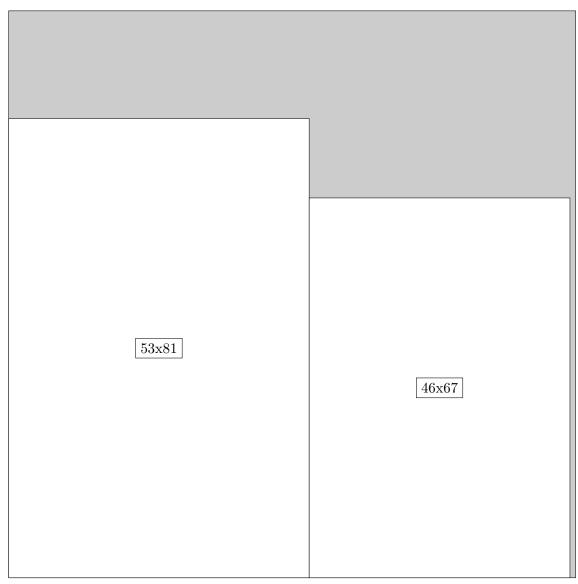


 $\le =82$  , h =54 , x =0 , y =0 , v =4428

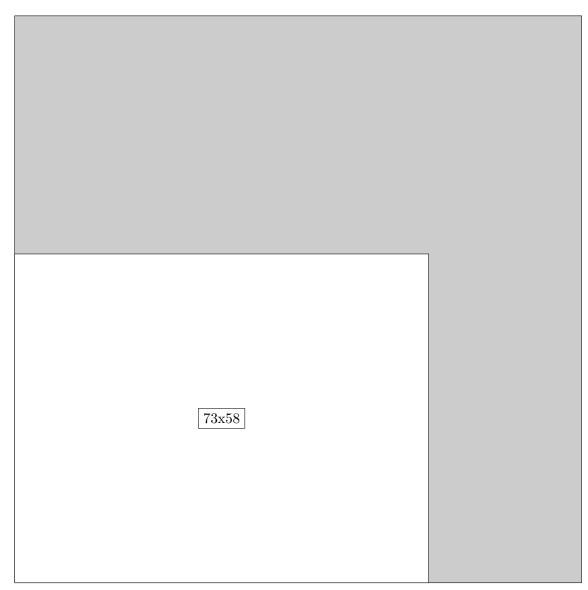




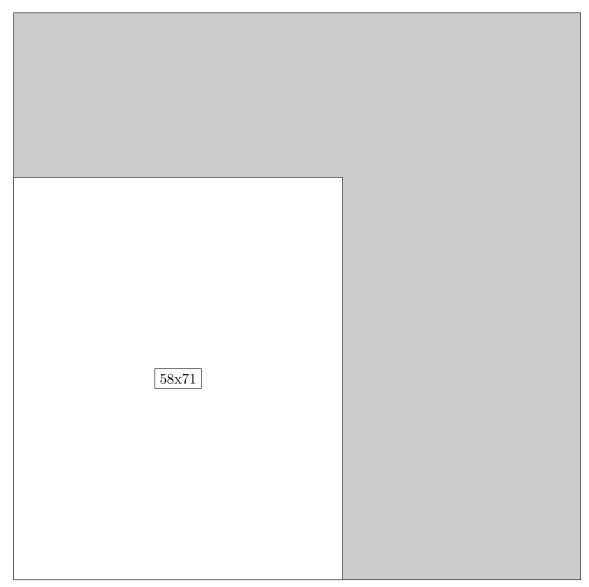
w = 81, h = 53, x = 0, y = 0, v = 4293



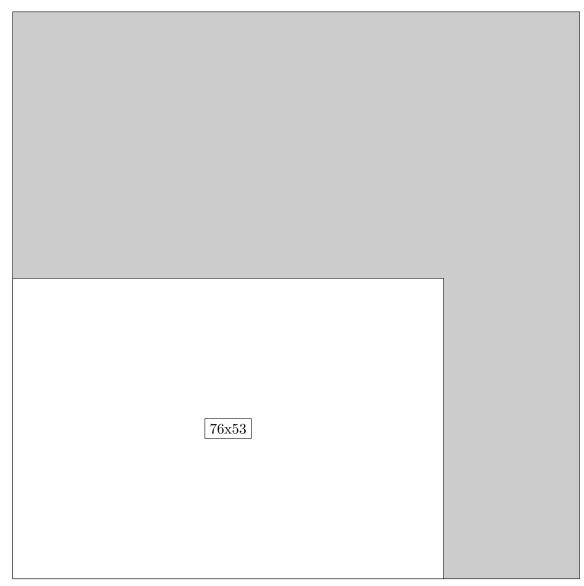
$$\begin{array}{c} w = \!\! 53 \; , \; h = \!\! 81 \; , \; x = \!\! 0 \; , \; y = \!\! 0 \; , \; v = \!\! 4293 \\ w = \!\! 46 \; , \; h = \!\! 67 \; , \; x = \!\! 53 \; , \; y = \!\! 0 \; , \; v = \!\! 3082 \\ \end{array}$$



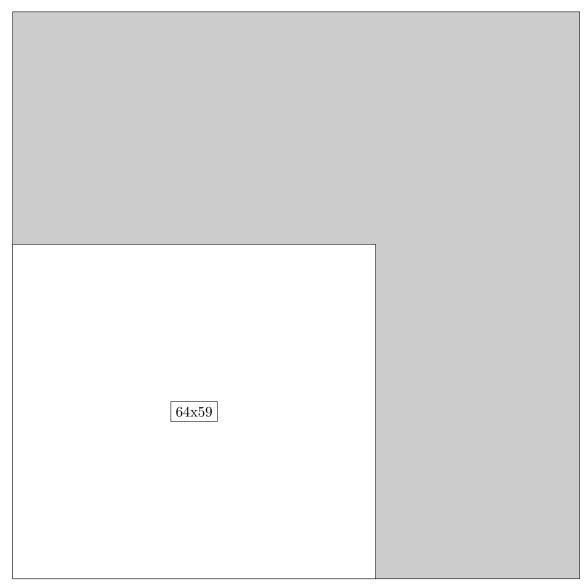
w = 73, h = 58, x = 0, y = 0, v = 4234



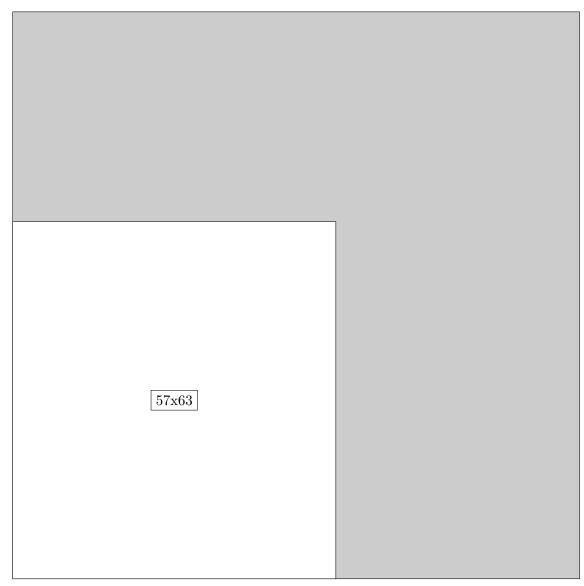
w = 58, h = 71, x = 0, y = 0, v = 4118



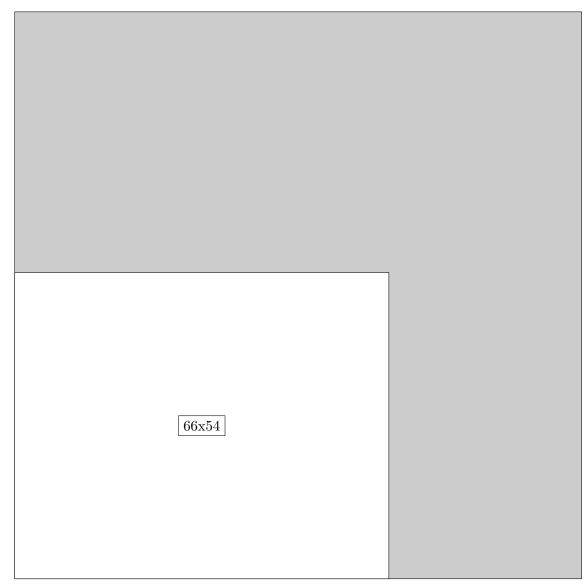
w = 76, h = 53, x = 0, y = 0, v = 4028



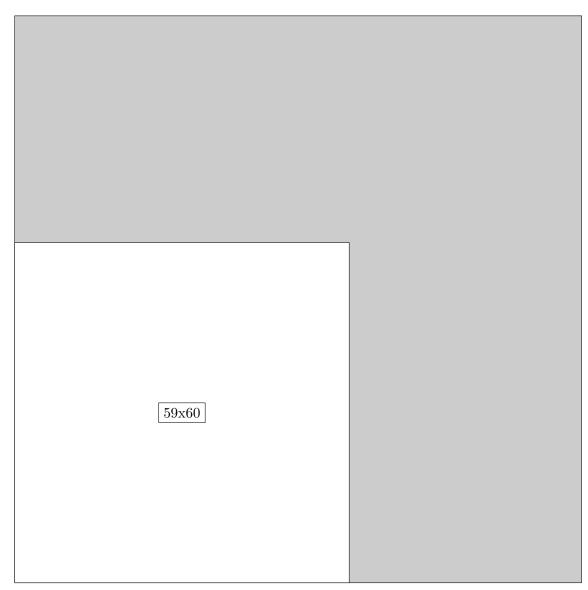
w = 64, h = 59, x = 0, y = 0, v = 3776



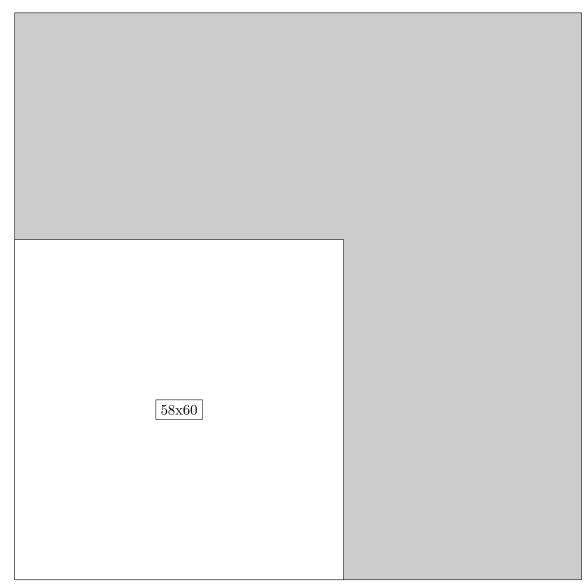
w = 57, h = 63, x = 0, y = 0, v = 3591



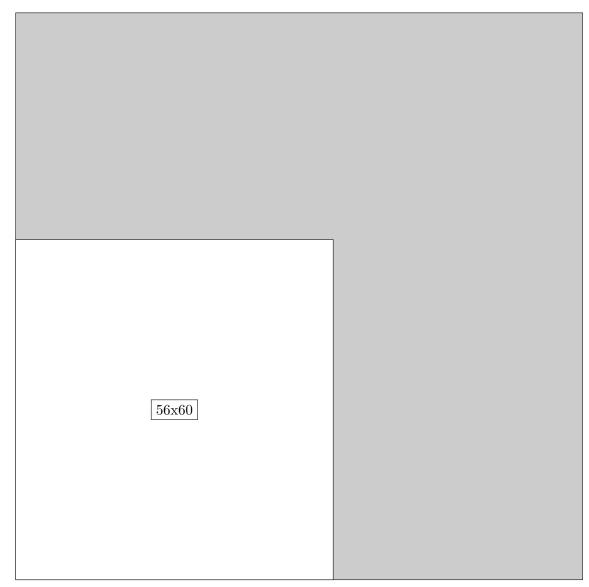
w = 66, h = 54, x = 0, y = 0, v = 3564



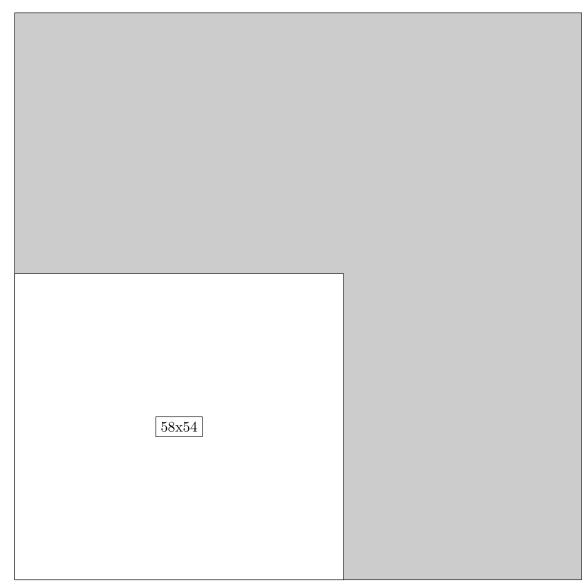
 $\overline{w} = 59$ , h = 60, x = 0, y = 0, v = 3540



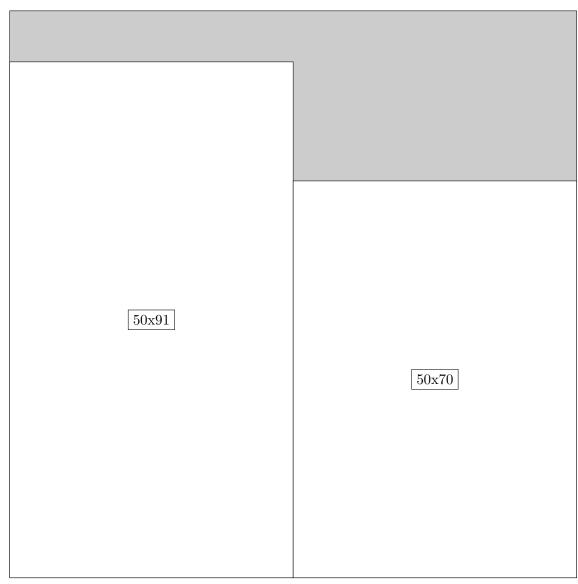
w = 58, h = 60, x = 0, y = 0, v = 3480

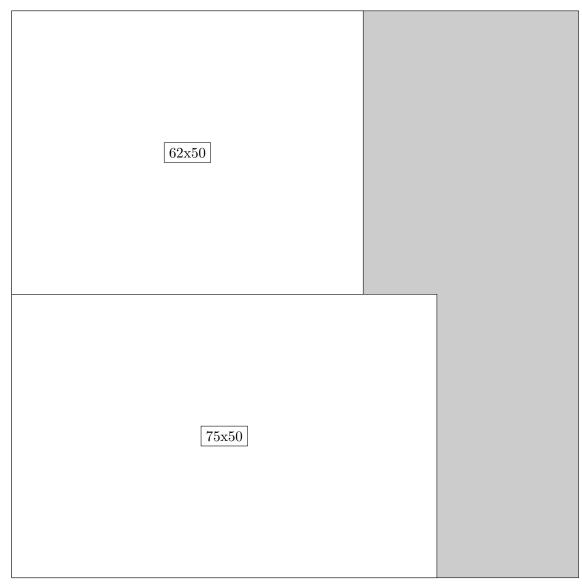


 $\overline{w} = 56$ , h = 60, x = 0, y = 0, v = 3360



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





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