$ClassName: \ Class\_05.2bp-49$ 

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

TypeNum: <u>100</u> Num: <u>100</u> OutS: <u>350000</u> InS: <u>292519</u> Rate: <u>0.836</u> UB: <u>35</u> LB0: <u>35</u>

LB0: <u>35</u> LB: <u>35</u>

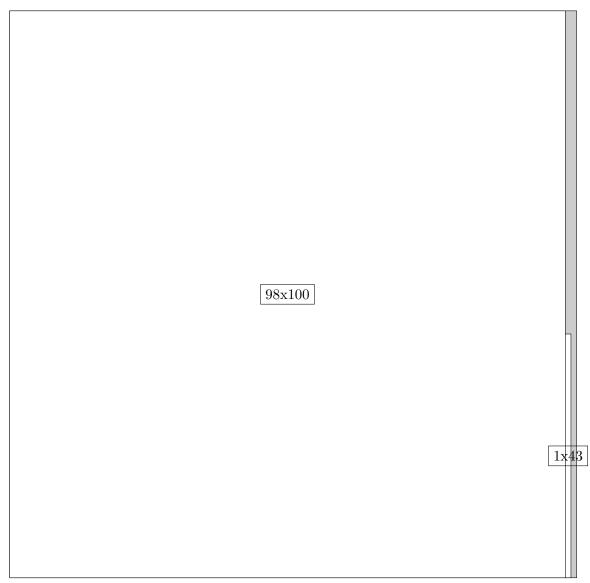
LBWithCut:  $\underline{35}$ NodeCut:  $\underline{0}$ 

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

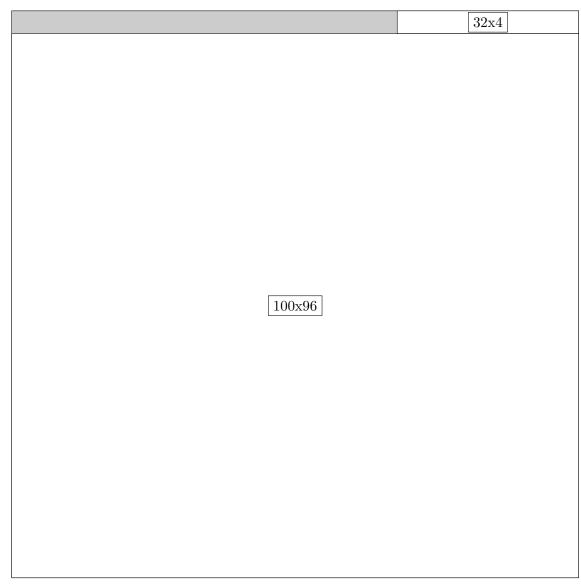
GenNodeCnt:  $\underline{\mathbf{1}}$ PrimalNode:  $\underline{\mathbf{0}}$ ColumnCount:  $\underline{\mathbf{35}}$ TotalCutCount:  $\underline{\mathbf{0}}$ RootCutCount:  $\underline{\mathbf{0}}$ LPSolverCnt:  $\underline{\mathbf{1}}$ PricingSolverCnt:  $\underline{\mathbf{0}}$ BranchAndBoundNum:  $\underline{\mathbf{1}}$ 

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

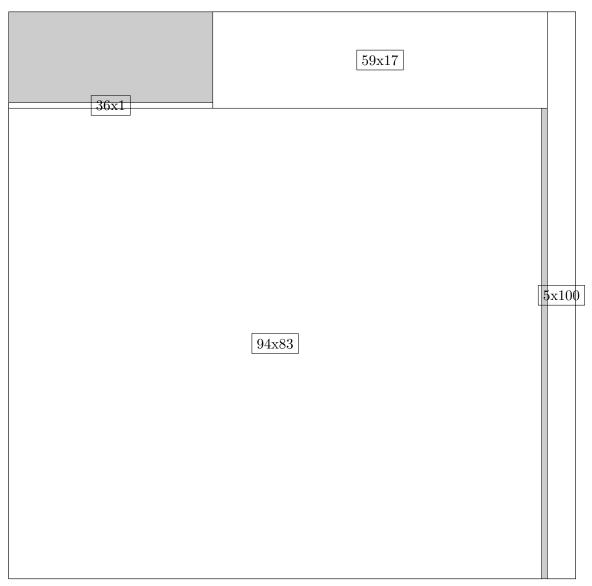
 $\begin{array}{ll} {\rm TimeOnInitSolution:} \ \underline{0.310 \ s} \\ {\rm TimeOnPrimal:} \ \underline{0.000 \ s} \\ {\rm TimeOnPricing:} \ \underline{0.000 \ s} \\ {\rm TimeOnRmp:} \ \underline{0.078 \ s} \\ {\rm TotalTime:} \ \underline{0.451 \ s} \end{array}$ 



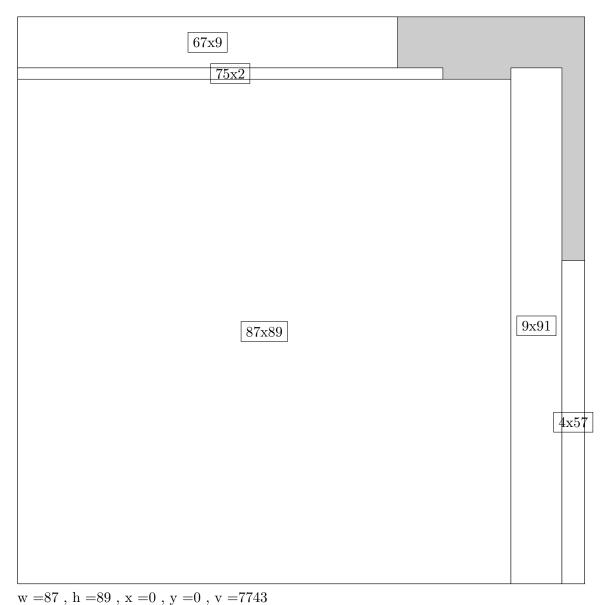
w =98, h =100, x =0, y =0, v =9800 w =1, h =43, x =98, y =0, v =43



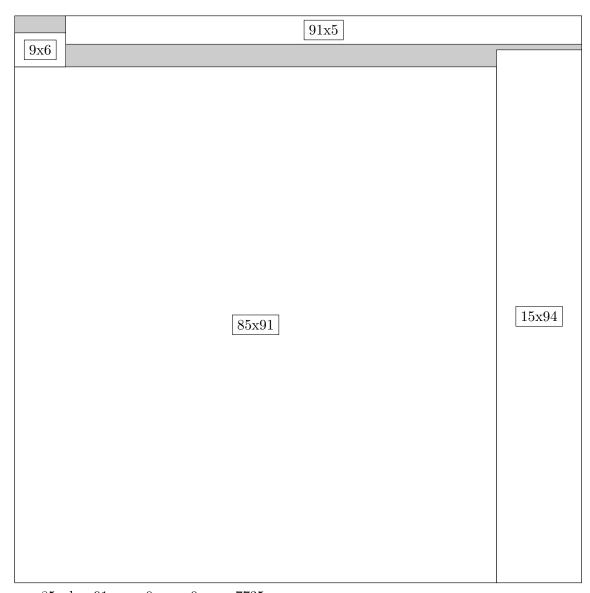
$$\begin{array}{l} w = \! 100 \ , \ h = \! 96 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 9600 \\ w = \! 32 \ , \ h = \! 4 \ , \ x = \! 68 \ , \ y = \! 96 \ , \ v = \! 128 \end{array}$$



$$\begin{array}{l} w = \! 94 \ , \ h = \! 83 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 7802 \\ w = \! 59 \ , \ h = \! 17 \ , \ x = \! 36 \ , \ y = \! 83 \ , \ v = \! 1003 \\ w = \! 5 \ , \ h = \! 100 \ , \ x = \! 95 \ , \ y = \! 0 \ , \ v = \! 500 \\ w = \! 36 \ , \ h = \! 1 \ , \ x = \! 0 \ , \ y = \! 83 \ , \ v = \! 36 \end{array}$$

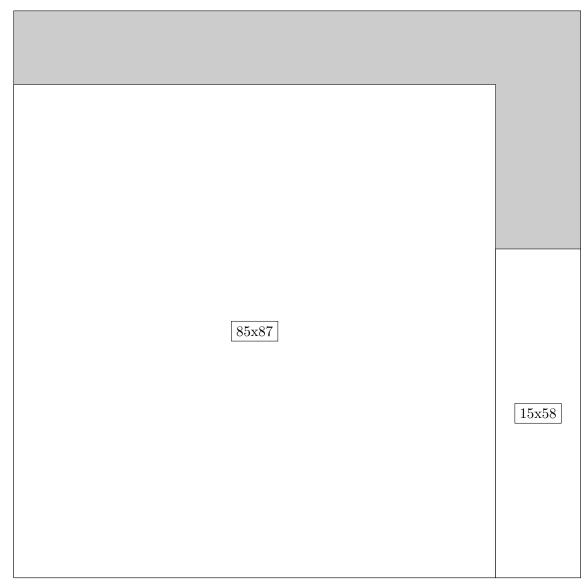


$$w = 75$$
,  $h = 2$ ,  $x = 0$ ,  $y = 89$ ,  $v = 150$ 

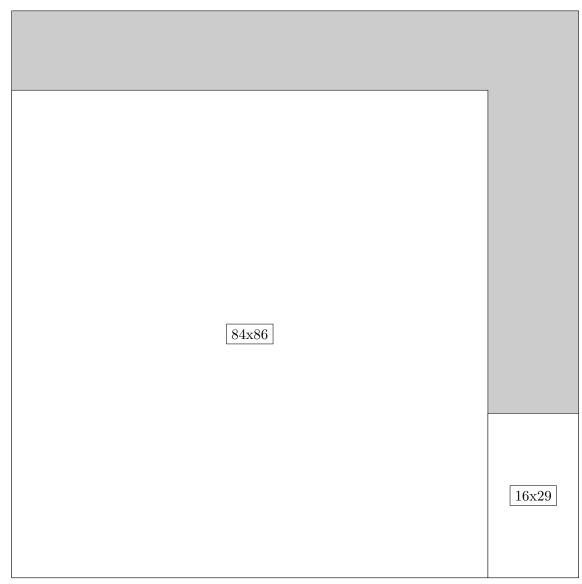


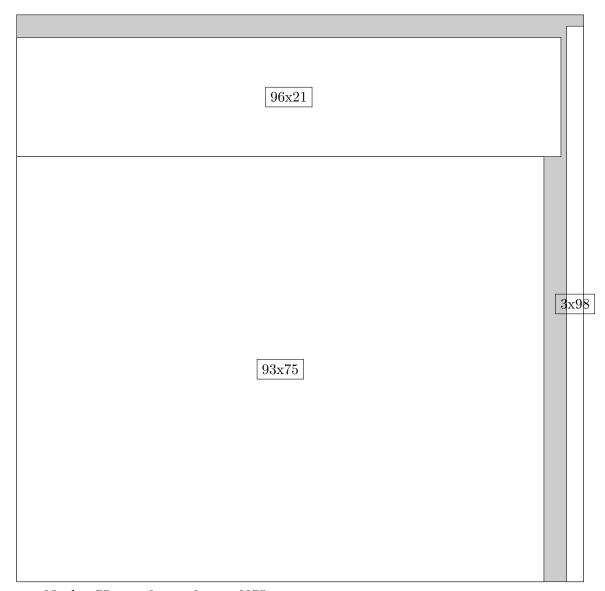
$$\begin{array}{l} w = \! 85 \ , \ h = \! 91 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 7735 \\ w = \! 15 \ , \ h = \! 94 \ , \ x = \! 85 \ , \ y = \! 0 \ , \ v = \! 1410 \\ w = \! 91 \ , \ h = \! 5 \ , \ x = \! 9 \ , \ y = \! 95 \ , \ v = \! 455 \end{array}$$

 $\mathbf{w} = \! 9$  ,  $\mathbf{h} = \! 6$  ,  $\mathbf{x} = \! 0$  ,  $\mathbf{y} = \! 91$  ,  $\mathbf{v} = \! 54$ 

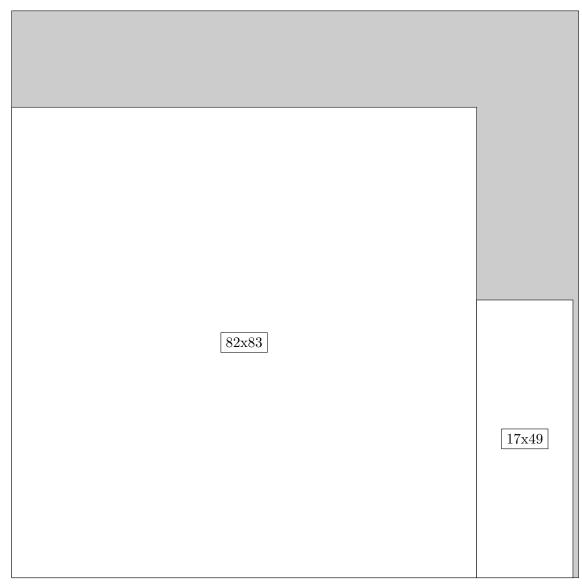


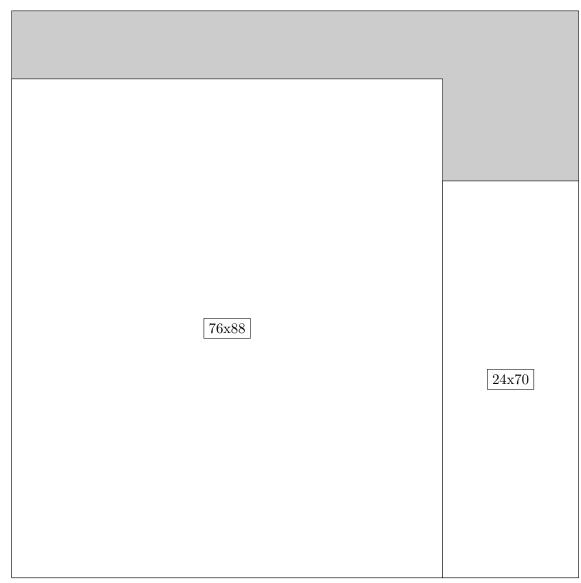
$$\begin{array}{c} w = \! 85 \; , \; h = \! 87 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 7395 \\ w = \! 15 \; , \; h = \! 58 \; , \; x = \! 85 \; , \; y = \! 0 \; , \; v = \! 870 \\ \end{array}$$

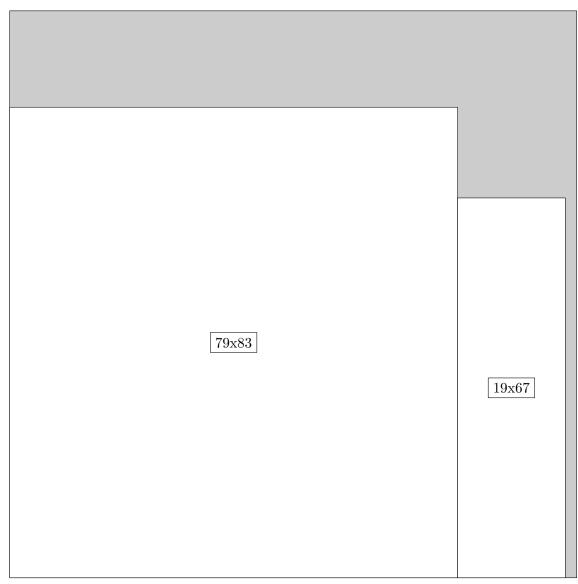


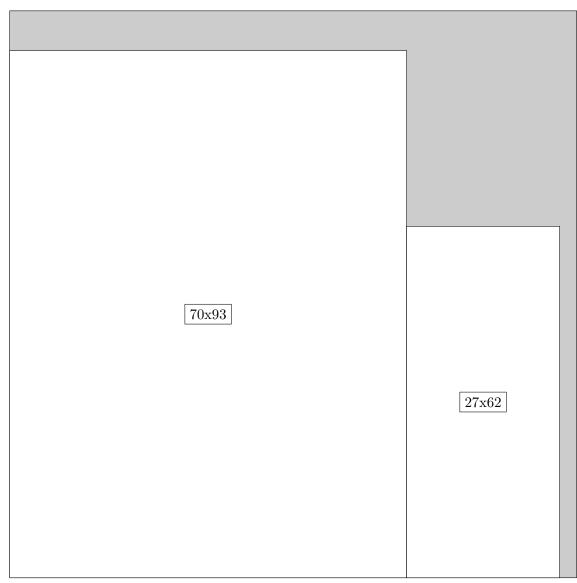


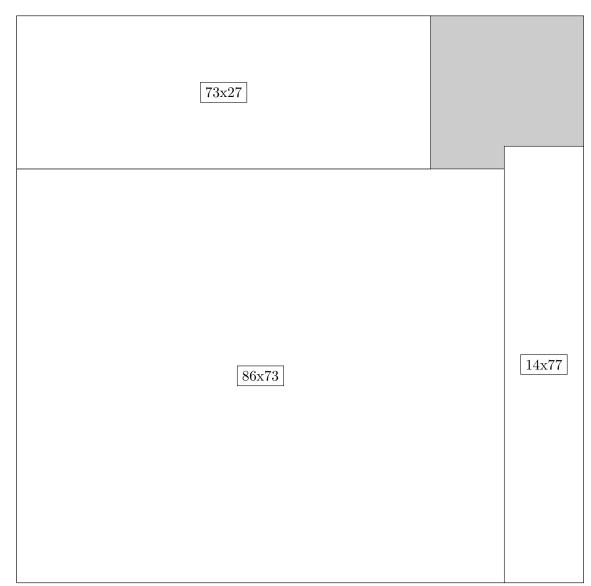
$$\begin{array}{l} w = \! 93 \ , \ h = \! 75 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 6975 \\ w = \! 96 \ , \ h = \! 21 \ , \ x = \! 0 \ , \ y = \! 75 \ , \ v = \! 2016 \\ w = \! 3 \ , \ h = \! 98 \ , \ x = \! 97 \ , \ y = \! 0 \ , \ v = \! 294 \end{array}$$







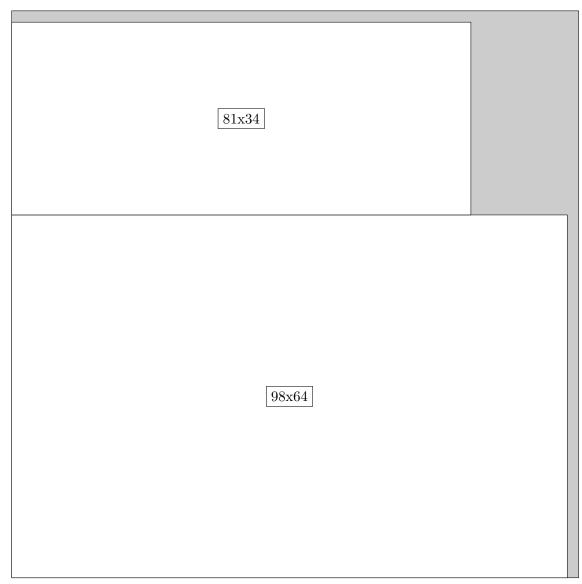


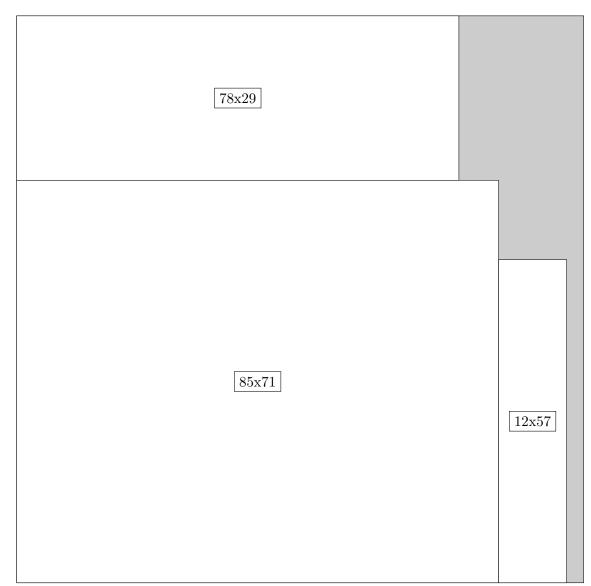


$$\le =86$$
 ,  $h$  =73 ,  $x$  =0 ,  $y$  =0 ,  $v$  =6278

$$\le =73$$
 , h =27 , x =0 , y =73 , v =1971

$$\le =14$$
 ,  $h=77$  ,  $x=86$  ,  $y=0$  ,  $v=1078$ 

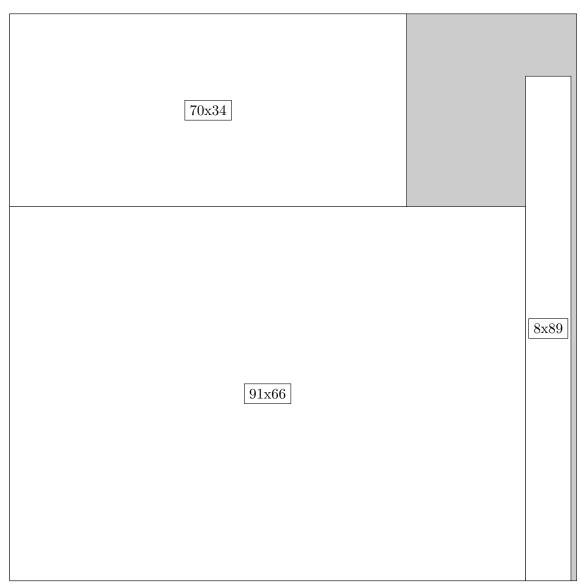




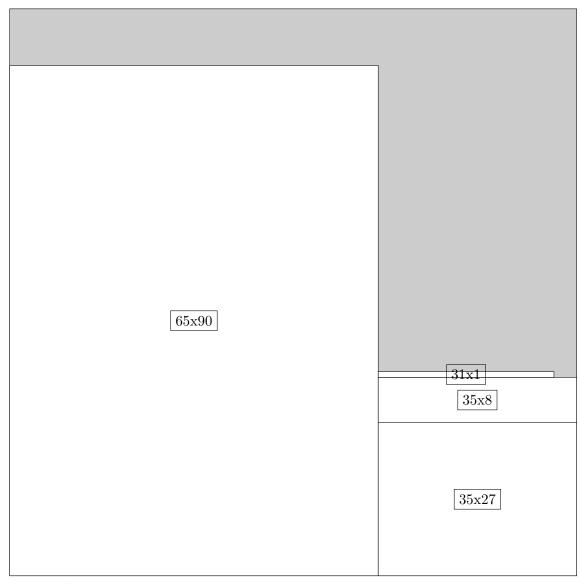
$$\le =85$$
 ,  $h$  =71 ,  $x$  =0 ,  $y$  =0 ,  $v$  =6035

$$\le =78$$
 , h =29 , x =0 , y =71 , v =2262

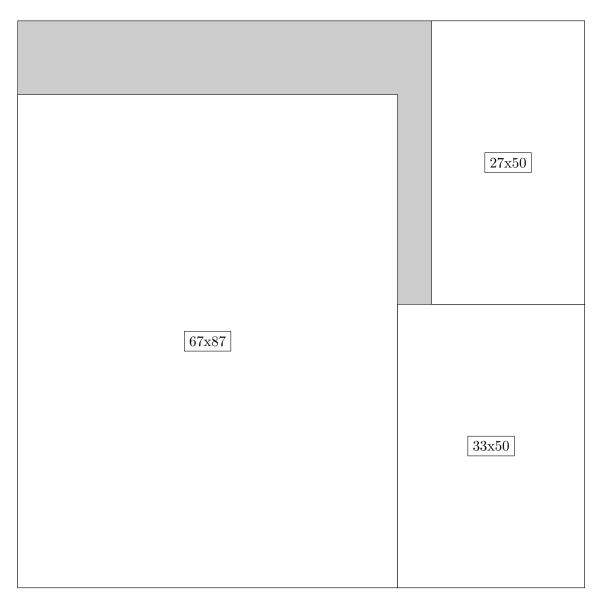
$$\le =12$$
 , h =57 , x =85 , y =0 , v =684



 $\begin{array}{l} w = \! 91 \ , \ h = \! 66 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 6006 \\ w = \! 70 \ , \ h = \! 34 \ , \ x = \! 0 \ , \ y = \! 66 \ , \ v = \! 2380 \\ w = \! 8 \ , \ h = \! 89 \ , \ x = \! 91 \ , \ y = \! 0 \ , \ v = \! 712 \end{array}$ 



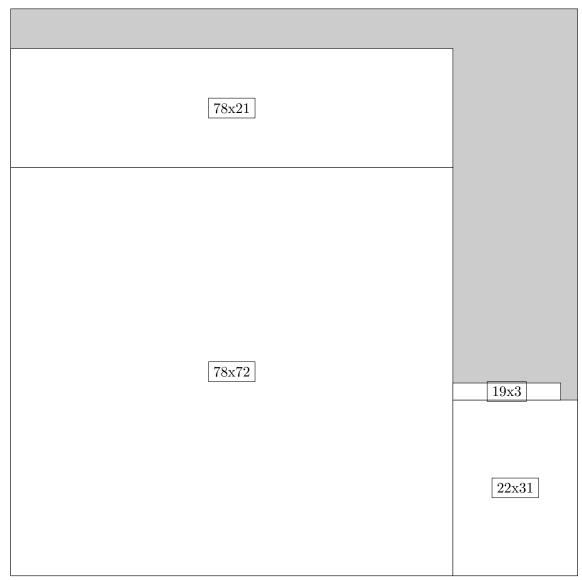
$$\begin{array}{l} w = \!65 \; , \; h = \!90 \; , \; x = \!0 \; , \; y = \!0 \; , \; v = \!5850 \\ w = \!35 \; , \; h = \!27 \; , \; x = \!65 \; , \; y = \!0 \; , \; v = \!945 \\ w = \!35 \; , \; h = \!8 \; , \; x = \!65 \; , \; y = \!27 \; , \; v = \!280 \\ w = \!31 \; , \; h = \!1 \; , \; x = \!65 \; , \; y = \!35 \; , \; v = \!31 \end{array}$$



$$\mathbf{w}$$
 =67 , h =87 , x =0 , y =0 , v =5829

$$\le =33$$
 , h =50 , x =67 , y =0 , v =1650

$$\le =27$$
 , h =50 , x =73 , y =50 , v =1350

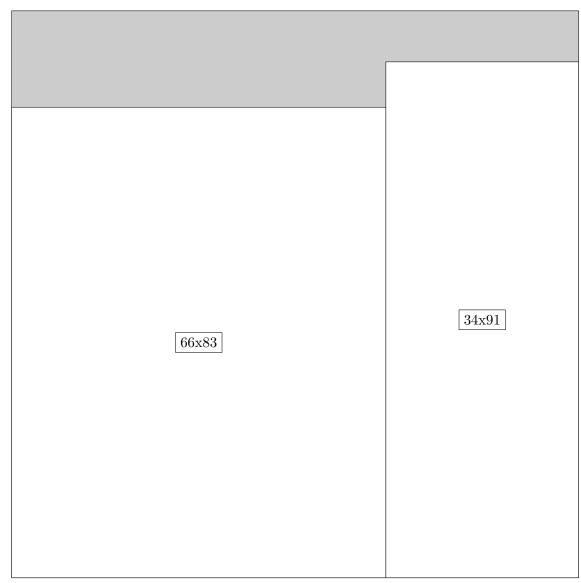


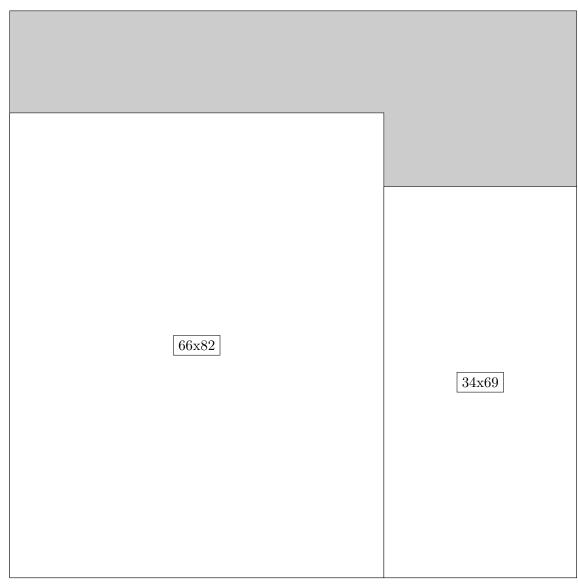
$$\mathbf{w}$$
 =78 , h =72 , x =0 , y =0 , v =5616

$$\le =78$$
 , h =21 , x =0 , y =72 , v =1638

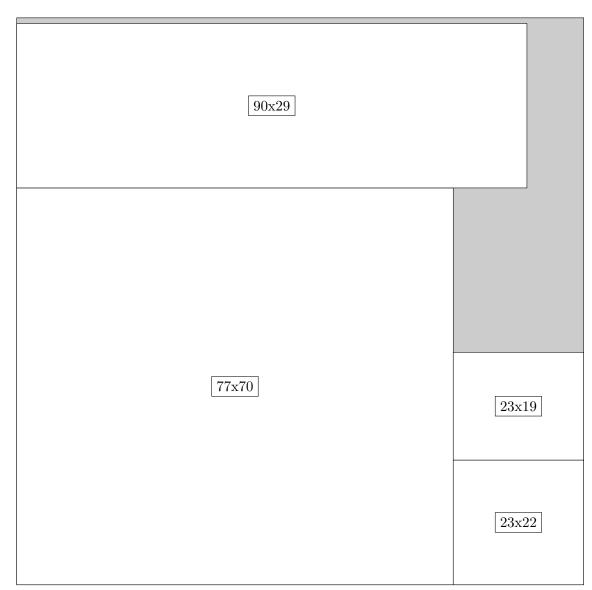
$$\le =22$$
 , h =31 , x =78 , y =0 , v =682

$$\le =19$$
 , h =3 , x =78 , y =31 , v =57





$$\begin{array}{c} w = \!\!\! 66 \; , \; h = \!\!\! 82 \; , \; x = \!\!\! 0 \; , \; y = \!\!\! 0 \; , \; v = \!\!\! 5412 \\ w = \!\!\! 34 \; , \; h = \!\!\! 69 \; , \; x = \!\!\! 66 \; , \; y = \!\!\! 0 \; , \; v = \!\!\! 2346 \\ \end{array}$$

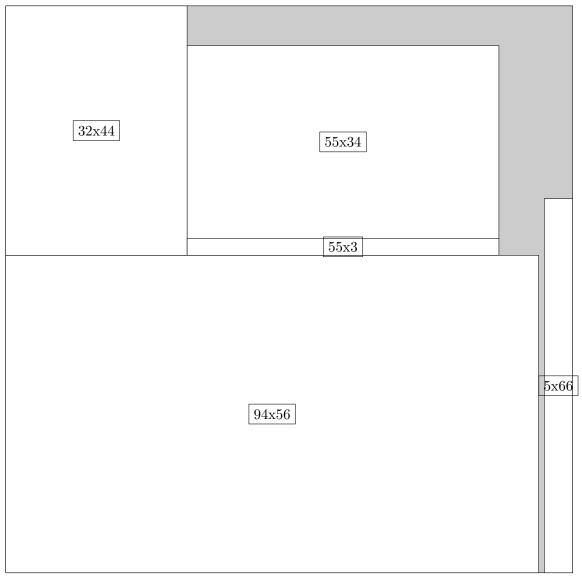


$$\mathbf{w}$$
 =77 , h =70 , x =0 , y =0 , v =5390

$$\le =90$$
 , h =29 , x =0 , y =70 , v =2610

$$\le =23$$
 , h =22 , x =77 , y =0 , v =  
506

$$w$$
 =23 , h =19 , x =77 , y =22 , v =437



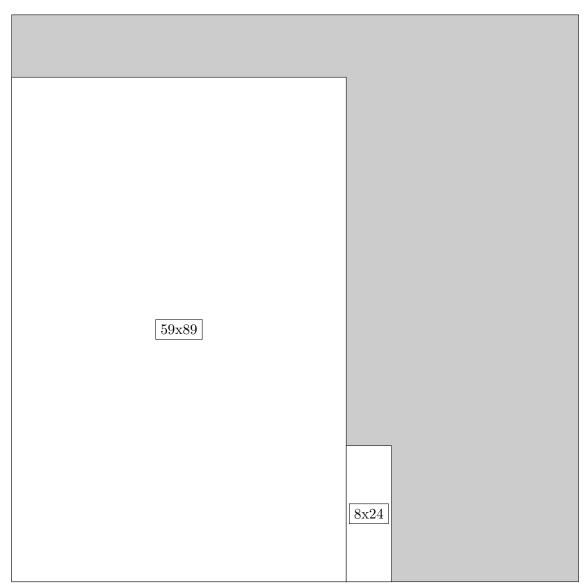
$$w = 94$$
,  $h = 56$ ,  $x = 0$ ,  $y = 0$ ,  $v = 5264$ 

$$\le =55$$
 , h =34 , x =32 , y =59 , v =1870

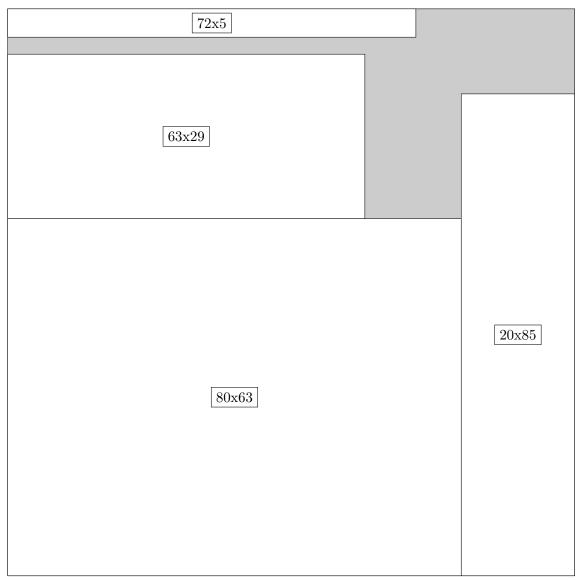
$$\le =32$$
 , h =44 , x =0 , y =56 , v =1408

$$w=\!5$$
 ,  $h=\!66$  ,  $x=\!95$  ,  $y=\!0$  ,  $v=\!330$ 

$$w=\!55$$
 ,  $h=\!3$  ,  $x=\!32$  ,  $y=\!56$  ,  $v=\!165$ 



 $\begin{array}{l} w = \!59 \ , \, h = \!89 \ , \, x = \!0 \ , \, y = \!0 \ , \, v = \!5251 \\ w = \!8 \ , \, h = \!24 \ , \, x = \!59 \ , \, y = \!0 \ , \, v = \!192 \end{array}$ 

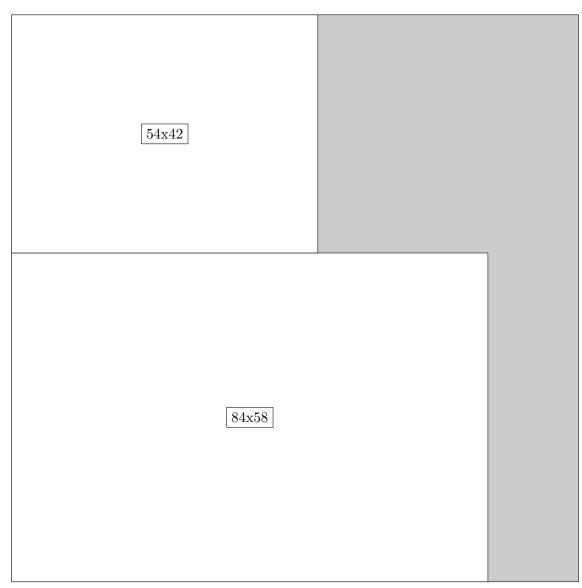


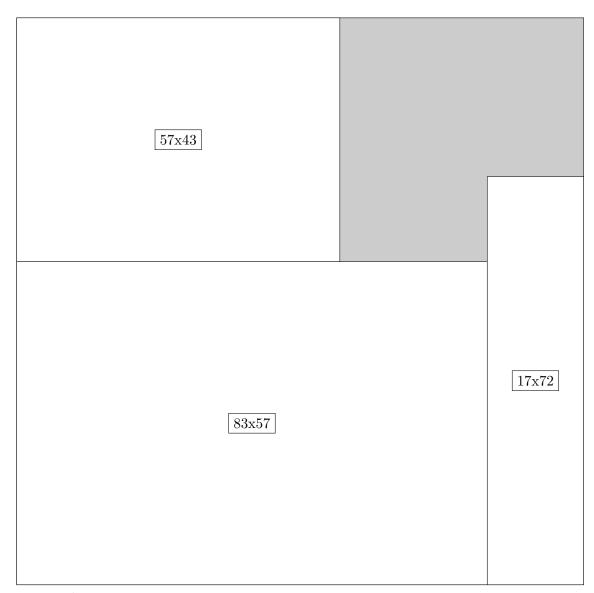
$$\le =80$$
 ,  $h=63$  ,  $x=0$  ,  $y=0$  ,  $v=5040$ 

$$\le =63$$
 , h =29 , x =0 , y =63 , v =1827

$$\le =20$$
 , h =  
85 , x =  
80 , y =  
0 , v =  
1700

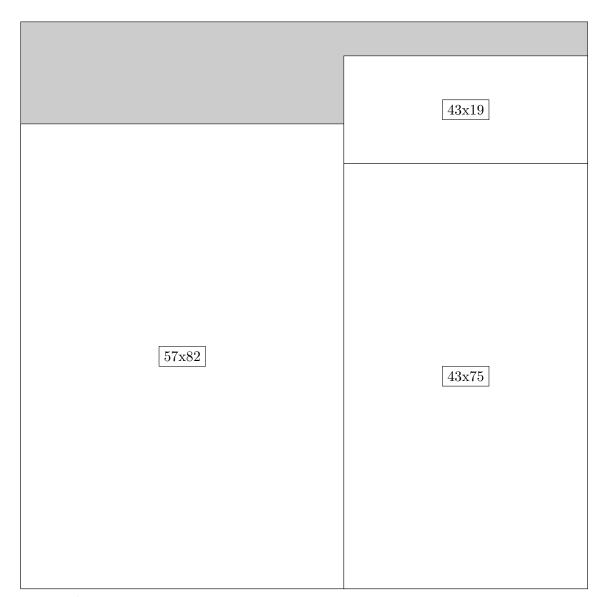
$$w$$
 =72 , h =5 , x =0 , y =95 , v =360





$$\begin{array}{l} w = \! 83 \ , \ h = \! 57 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 4731 \\ w = \! 57 \ , \ h = \! 43 \ , \ x = \! 0 \ , \ y = \! 57 \ , \ v = \! 2451 \end{array}$$

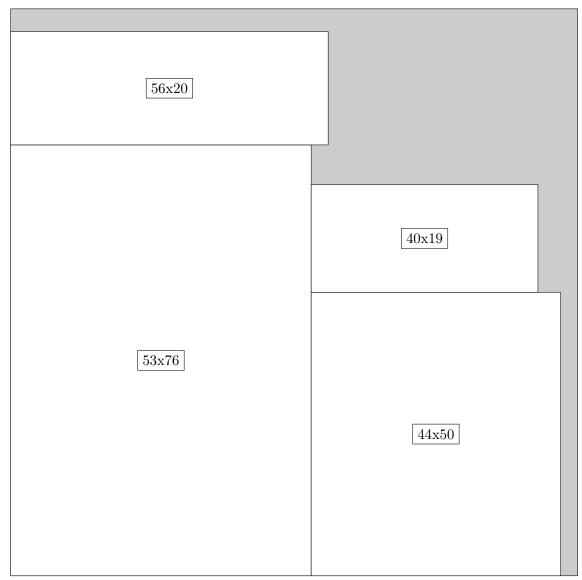
$$w = 17$$
,  $h = 72$ ,  $x = 83$ ,  $y = 0$ ,  $v = 1224$ 



$$\le =57$$
 , h =82 , x =0 , y =0 , v =4674

$$\le =43$$
 ,  $h$  =75 ,  $x$  =57 ,  $y$  =0 ,  $v$  =3225

$$\le =43$$
 ,  $h$  =19 ,  $x$  =57 ,  $y$  =75 ,  $v$  =817

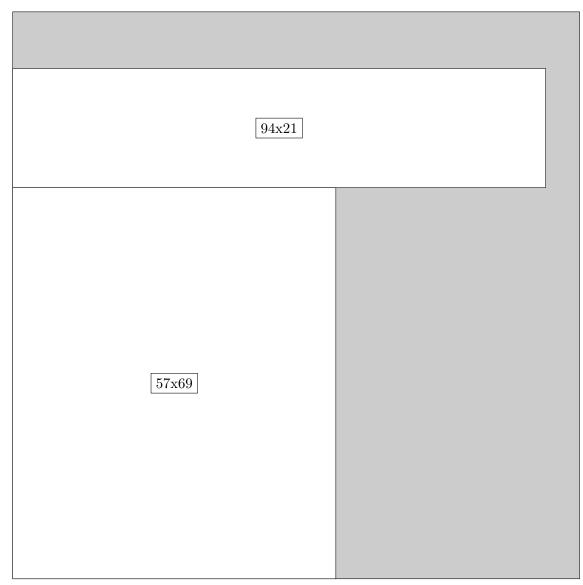


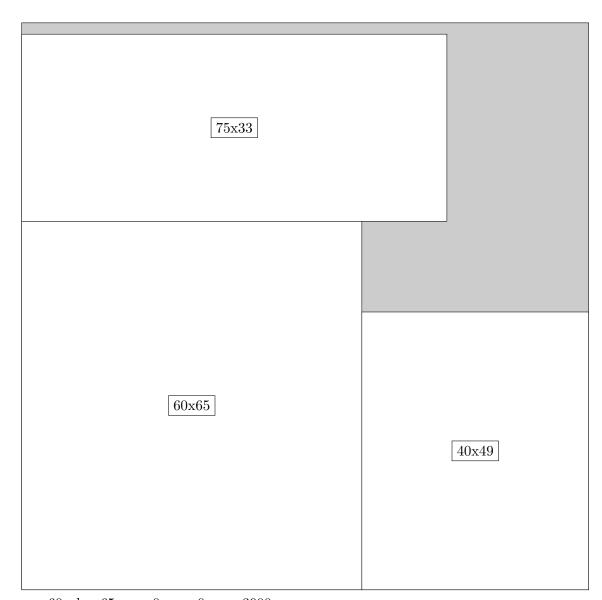
$$\le =53$$
 ,  $h$  =76 ,  $x$  =0 ,  $y$  =0 ,  $v$  =4028

$$\le =44$$
 , h =50 , x =53 , y =0 , v =2200

$$\le =56$$
 ,  $h=20$  ,  $x=0$  ,  $y=76$  ,  $v=1120$ 

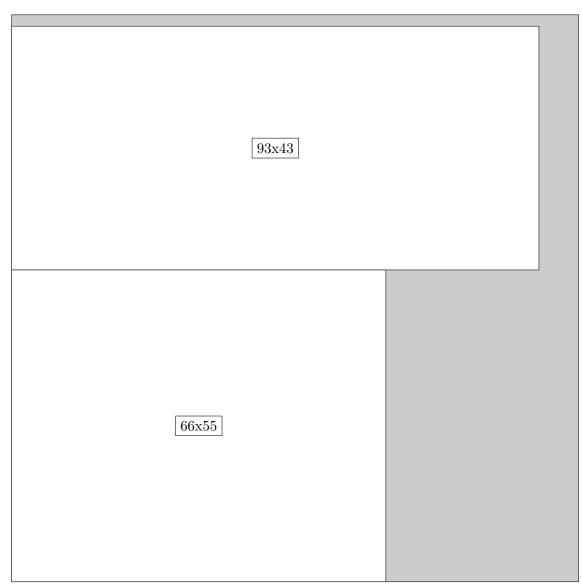
$$\mathbf{w}$$
 =40 , h =19 , x =53 , y =50 , v =760



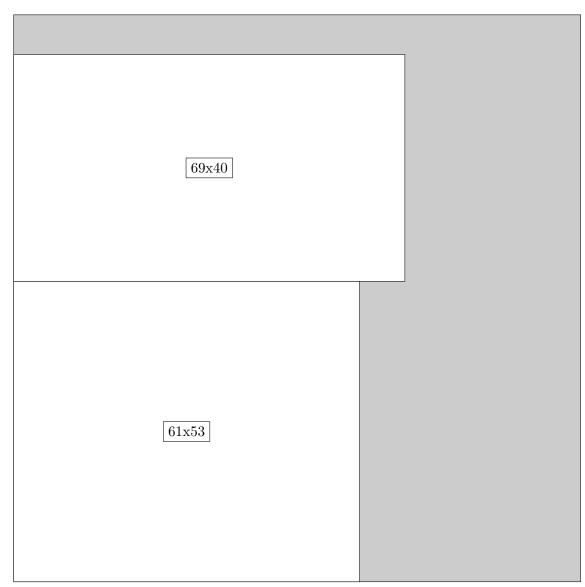


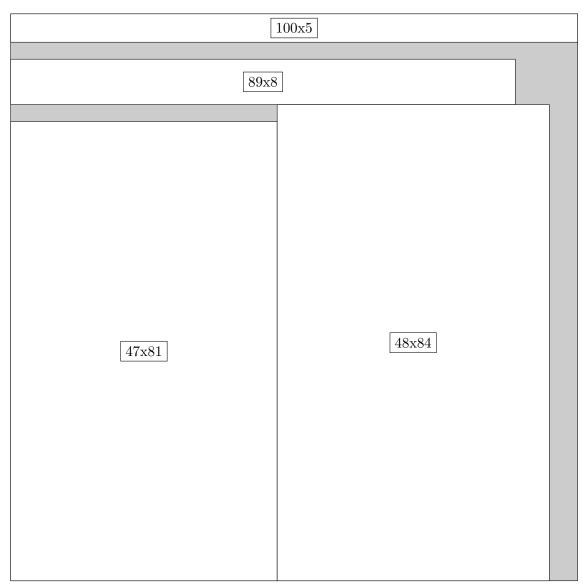
$$\begin{array}{l} w = \! 60 \ , \ h = \! 65 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 3900 \\ w = \! 75 \ , \ h = \! 33 \ , \ x = \! 0 \ , \ y = \! 65 \ , \ v = \! 2475 \end{array}$$

$$w = 40$$
,  $h = 49$ ,  $x = 60$ ,  $y = 0$ ,  $v = 1960$ 



$$\begin{array}{l} w = \! 93 \ , \, h = \! 43 \ , \, x = \! 0 \ , \, y = \! 55 \ , \, v = \! 3999 \\ w = \! 66 \ , \, h = \! 55 \ , \, x = \! 0 \ , \, y = \! 0 \ , \, v = \! 3630 \end{array}$$





 $\begin{array}{l} w = \!\! 47 \;,\; h = \!\! 81 \;,\; x = \!\! 0 \;,\; y = \!\! 0 \;,\; v = \!\! 3807 \\ w = \!\! 48 \;,\; h = \!\! 84 \;,\; x = \!\! 47 \;,\; y = \!\! 0 \;,\; v = \!\! 4032 \\ w = \!\! 89 \;,\; h = \!\! 8 \;,\; x = \!\! 0 \;,\; y = \!\! 84 \;,\; v = \!\! 712 \\ w = \!\! 100 \;,\; h = \!\! 5 \;,\; x = \!\! 0 \;,\; y = \!\! 95 \;,\; v = \!\! 500 \end{array}$ 

