$ClassName: \ Class\_05.2bp\text{-}38$ 

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

TypeNum: 79 Num: **80** OutS: **270000** InS: 234559Rate: 0.869UB: **27** 

LB0: **26** LB: **27** 

LBWithCut: 27 NodeCut: **0** 

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

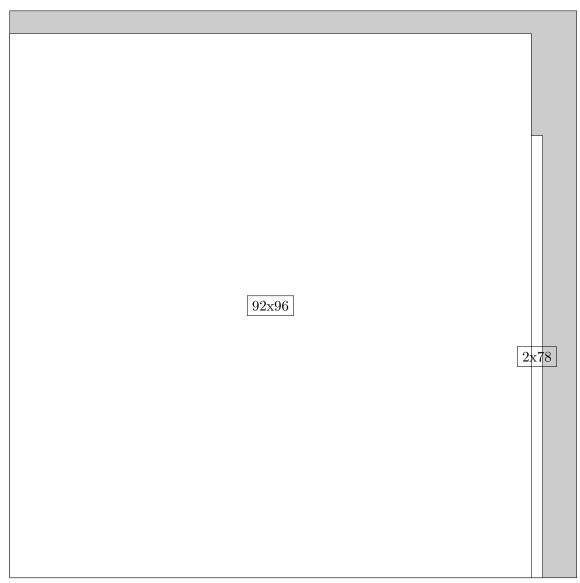
GenNodeCnt:  $\mathbf{1}$ PrimalNode:  $\mathbf{0}$ ColumnCount: 156  $TotalCutCount: \ \mathbf{0}$ RootCutCount:  $\underline{\mathbf{0}}$ LPSolverCnt: 130 PricingSolverCnt: 130

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

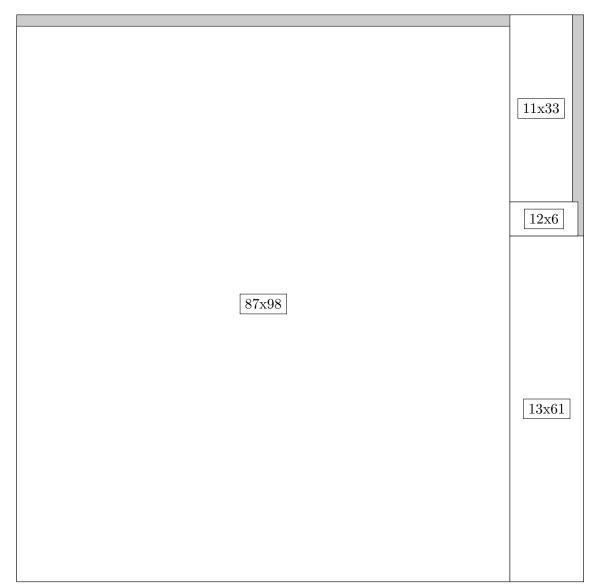
isOpt:  $\underline{\mathbf{true}}$ 

TimeOnInitSolution:  $\underline{120.020 \text{ s}}$ 

TimeOnPrimal: 0.000 sTimeOnPricing: 298.859 s TimeOnRmp: 0.110 sTotal Time: 419.091 s



$$\begin{array}{c} w = 92 \; , \; h = 96 \; , \; x = 0 \; , \; y = 0 \; , \; v = 8832 \\ w = 2 \; , \; h = 78 \; , \; x = 92 \; , \; y = 0 \; , \; v = 156 \\ \end{array}$$

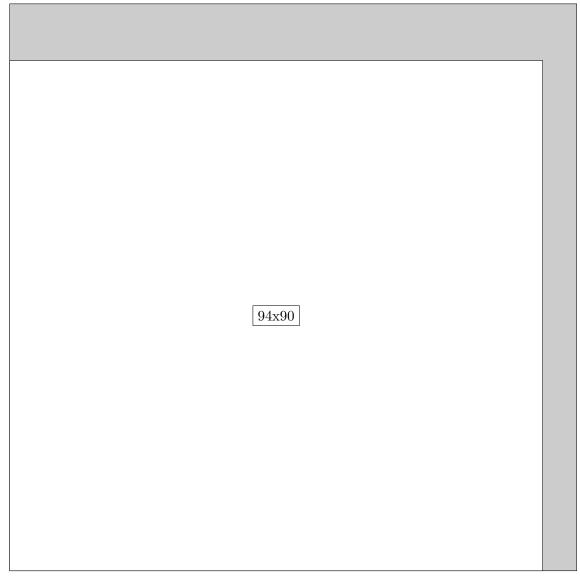


$$\le =87$$
 ,  $h$  =98 ,  $x$  =0 ,  $y$  =0 ,  $v$  =8526

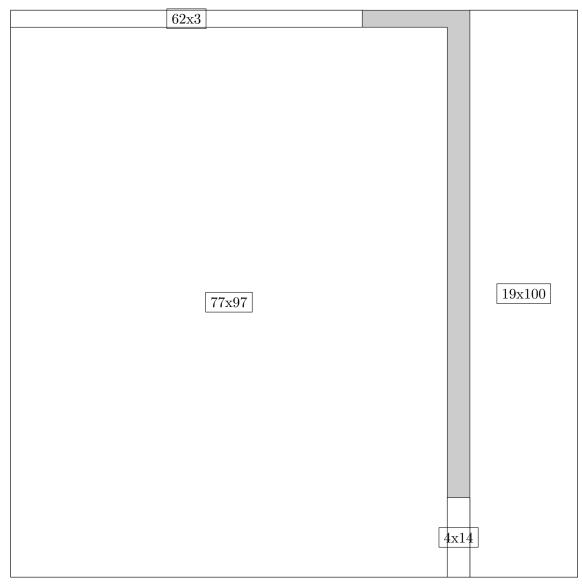
$$\le =13$$
 ,  $h$  =61 ,  $x$  =87 ,  $y$  =0 ,  $v$  =793

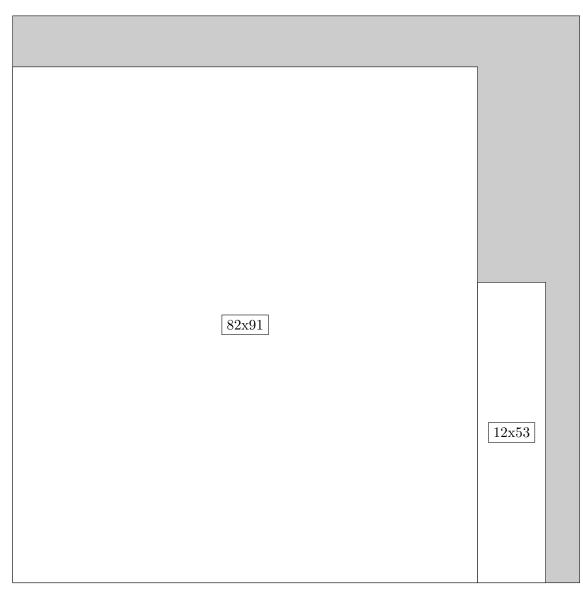
$$\le =11$$
 , h =33 , x =87 , y =67 , v =363

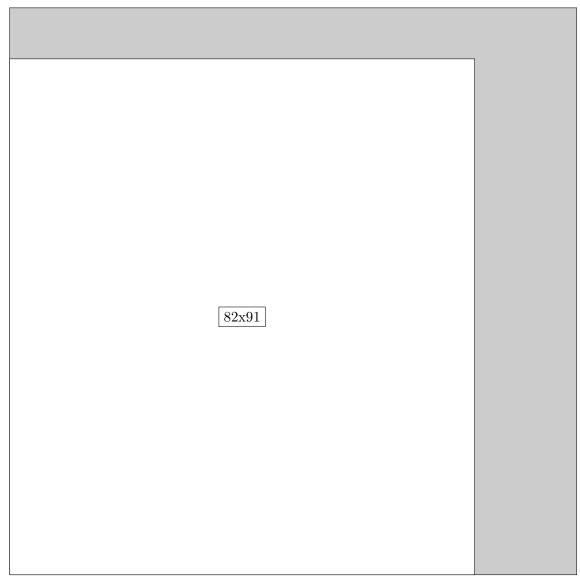
$$\mathbf{w}$$
 =12 , h =6 , x =87 , y =61 , v =72



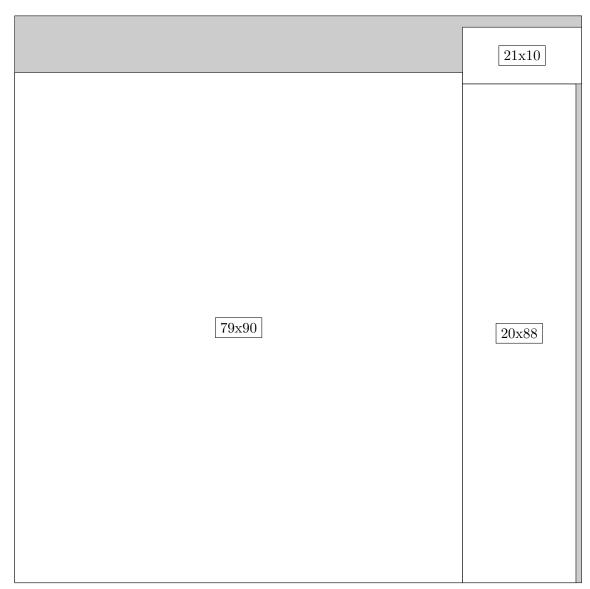
 $\le =94$  , h =90 , x =0 , y =0 , v =8460







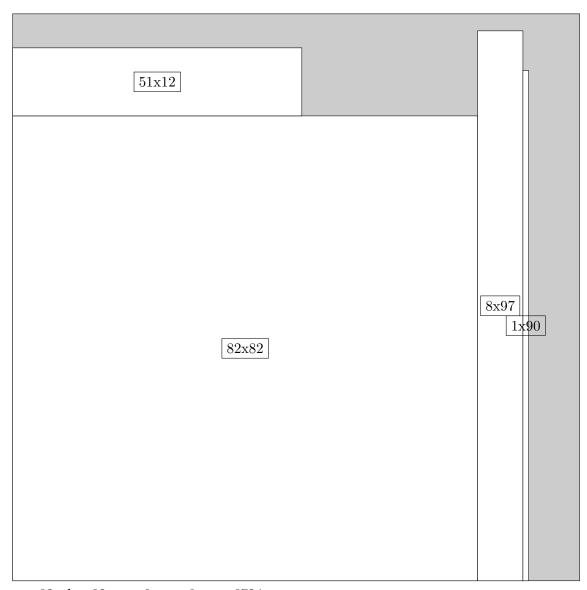
 $\le =82$  , h =91 , x =0 , y =0 , v =7462



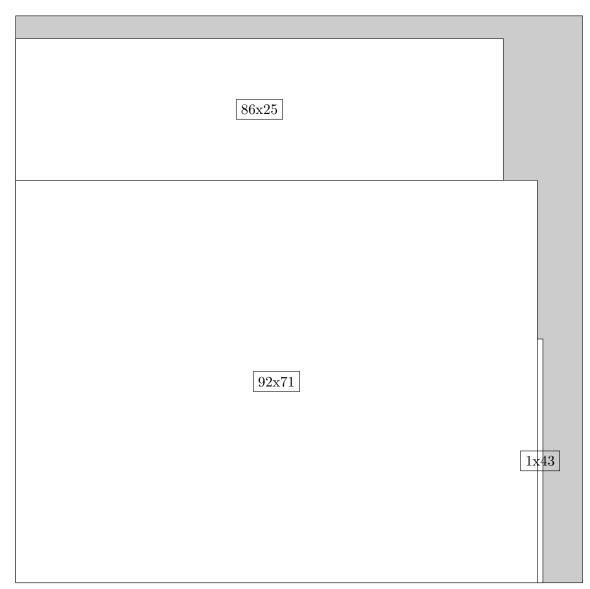
$$w = 79$$
,  $h = 90$ ,  $x = 0$ ,  $y = 0$ ,  $v = 7110$ 

$$\le =20$$
 , h =88 , x =79 , y =0 , v =1760

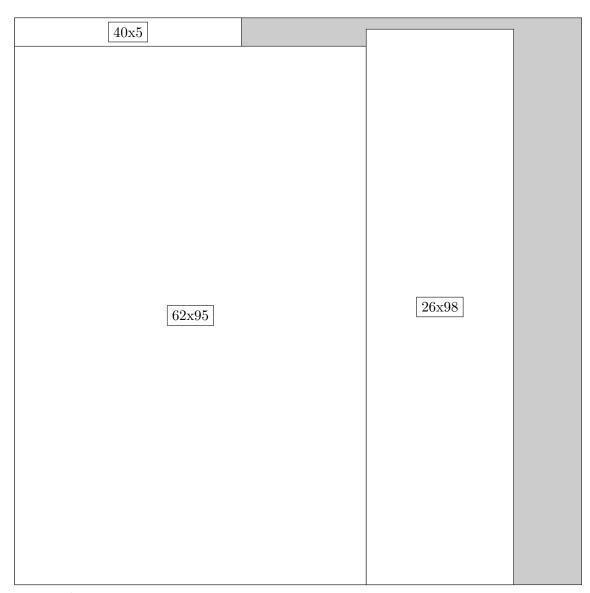
$$w$$
 =21 ,  $h$  =10 ,  $x$  =79 ,  $y$  =88 ,  $v$  =210



 $\begin{array}{l} w = & 82 \;,\; h = & 82 \;,\; x = & 0 \;,\; y = & 0 \;,\; v = & 6724 \\ w = & 8 \;,\; h = & 97 \;,\; x = & 82 \;,\; y = & 0 \;,\; v = & 776 \\ w = & 51 \;,\; h = & 12 \;,\; x = & 0 \;,\; y = & 82 \;,\; v = & 612 \\ w = & 1 \;,\; h = & 90 \;,\; x = & 90 \;,\; y = & 0 \;,\; v = & 90 \end{array}$ 

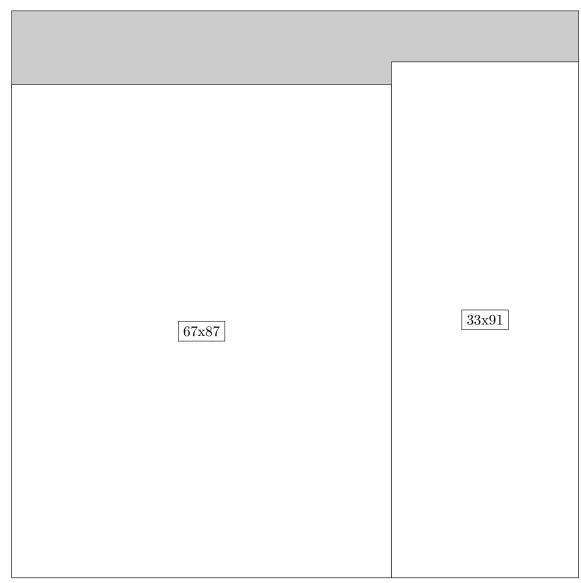


$$\begin{array}{l} w = 92 \ , \ h = 71 \ , \ x = 0 \ , \ y = 0 \ , \ v = 6532 \\ w = 86 \ , \ h = 25 \ , \ x = 0 \ , \ y = 71 \ , \ v = 2150 \\ w = 1 \ , \ h = 43 \ , \ x = 92 \ , \ y = 0 \ , \ v = 43 \end{array}$$

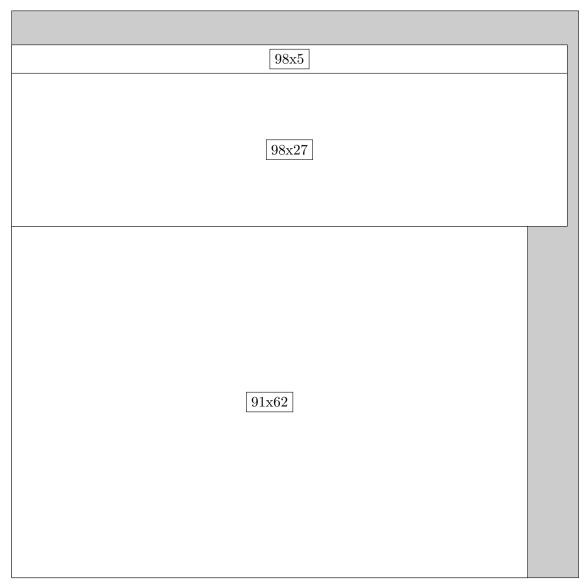


$$\begin{array}{l} w = \!\!62 \ , \ h = \!\!95 \ , \ x = \!\!0 \ , \ y = \!\!0 \ , \ v = \!\!5890 \\ w = \!\!26 \ , \ h = \!\!98 \ , \ x = \!\!62 \ , \ y = \!\!0 \ , \ v = \!\!2548 \end{array}$$

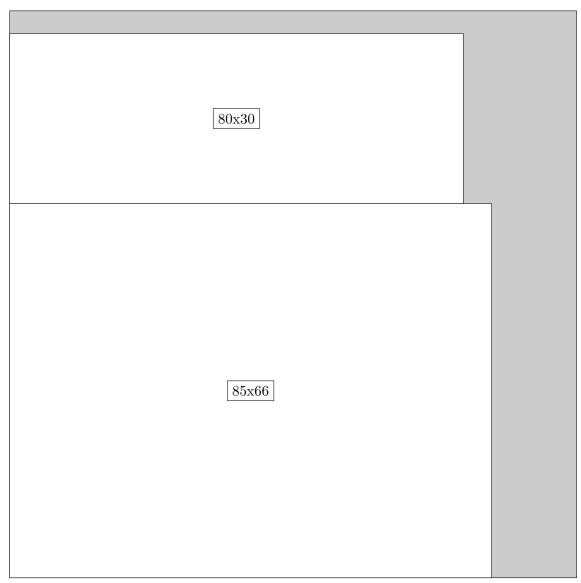
$$\le =40$$
 , h =5 , x =0 , y =95 , v =200



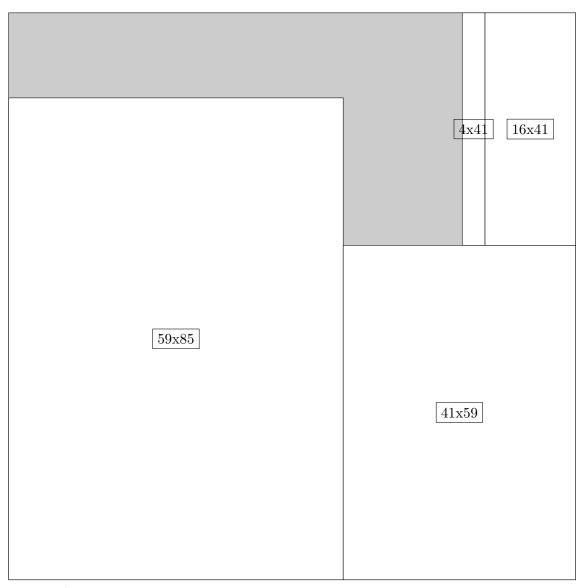
$$\begin{array}{c} w = \!\!67 \; , \; h = \!\!87 \; , \; x = \!\!0 \; , \; y = \!\!0 \; , \; v = \!\!5829 \\ w = \!\!33 \; , \; h = \!\!91 \; , \; x = \!\!67 \; , \; y = \!\!0 \; , \; v = \!\!3003 \end{array}$$



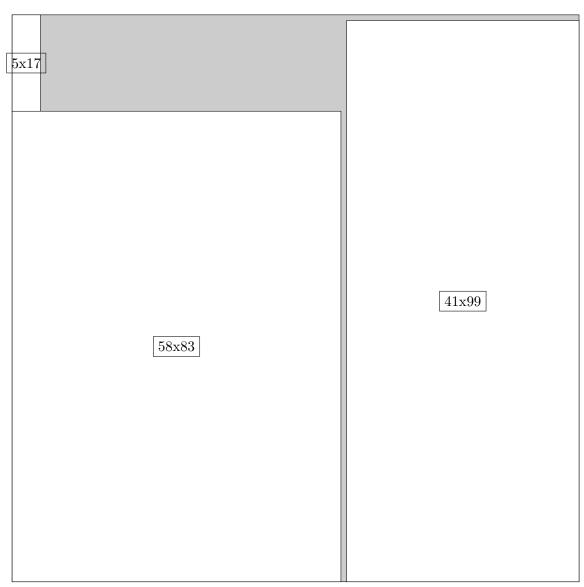
$$\begin{array}{l} w = \! 91 \ , \ h = \! 62 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 5642 \\ w = \! 98 \ , \ h = \! 27 \ , \ x = \! 0 \ , \ y = \! 62 \ , \ v = \! 2646 \\ w = \! 98 \ , \ h = \! 5 \ , \ x = \! 0 \ , \ y = \! 89 \ , \ v = \! 490 \end{array}$$



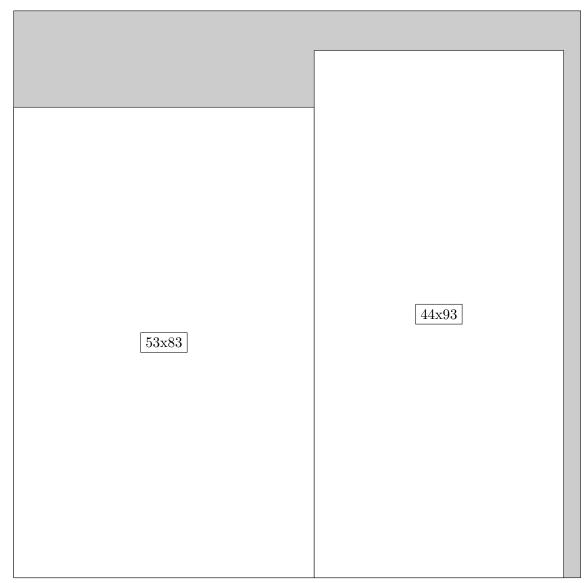


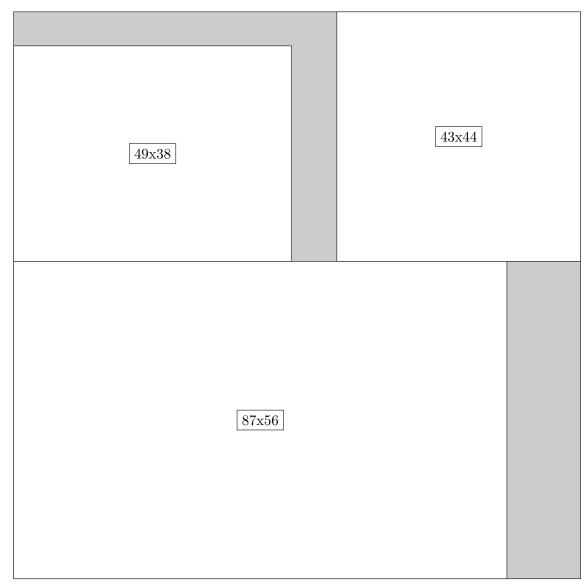


 $\begin{array}{l} w = \!59 \ , \ h = \!85 \ , \ x = \!0 \ , \ y = \!0 \ , \ v = \!5015 \\ w = \!41 \ , \ h = \!59 \ , \ x = \!59 \ , \ y = \!0 \ , \ v = \!2419 \\ w = \!16 \ , \ h = \!41 \ , \ x = \!84 \ , \ y = \!59 \ , \ v = \!656 \\ w = \!4 \ , \ h = \!41 \ , \ x = \!80 \ , \ y = \!59 \ , \ v = \!164 \end{array}$ 



 $\begin{array}{l} w = \! 41 \ , \ h = \! 99 \ , \ x = \! 59 \ , \ y = \! 0 \ , \ v = \! 4059 \\ w = \! 58 \ , \ h = \! 83 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 4814 \\ w = \! 5 \ , \ h = \! 17 \ , \ x = \! 0 \ , \ y = \! 83 \ , \ v = \! 85 \end{array}$ 

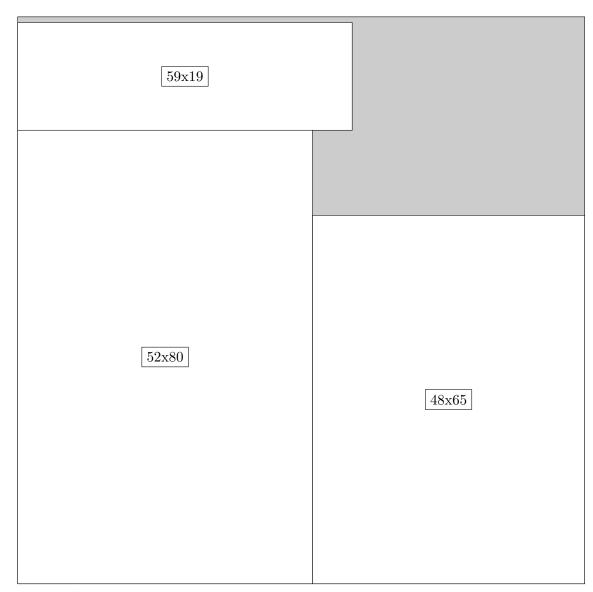




$$w = 87$$
,  $h = 56$ ,  $x = 0$ ,  $y = 0$ ,  $v = 4872$ 

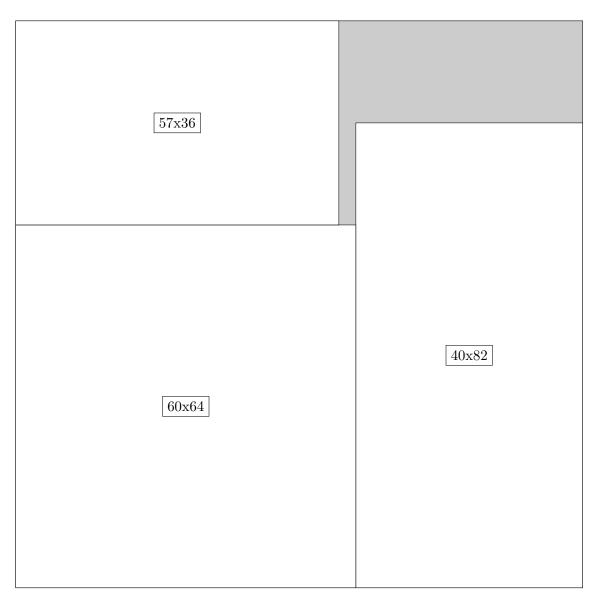
$$\le =43$$
 , h =44 , x =57 , y =56 , v =1892

$$\le =49$$
 , h =38 , x =0 , y =  
56 , v =1862



$$\begin{array}{l} w = \!\! 52 \ , \ h = \!\! 80 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 4160 \\ w = \!\! 59 \ , \ h = \!\! 19 \ , \ x = \!\! 0 \ , \ y = \!\! 80 \ , \ v = \!\! 1121 \end{array}$$

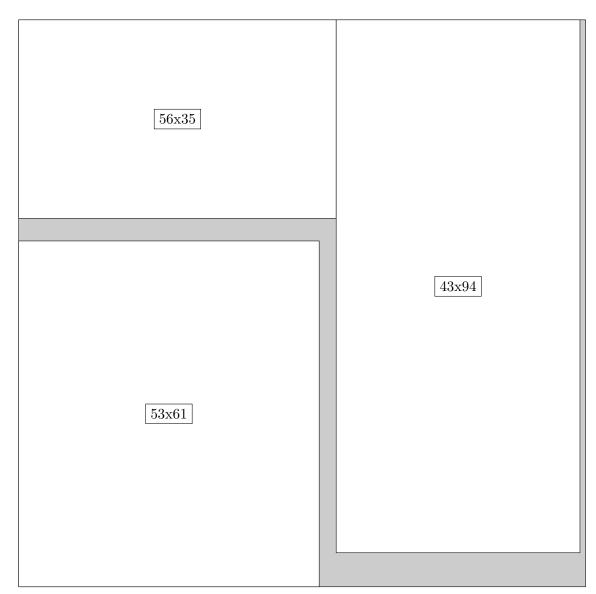
$$w = 48$$
 ,  $h = 65$  ,  $x = 52$  ,  $y = 0$  ,  $v = 3120$ 



$$w = \!\! 40 \; , \; h = \!\! 82 \; , \; x = \!\! 60 \; , \; y = \!\! 0 \; , \; v = \!\! 3280$$

$$\mathbf{w}$$
 =60 , h =64 , x =0 , y =0 , v =3840

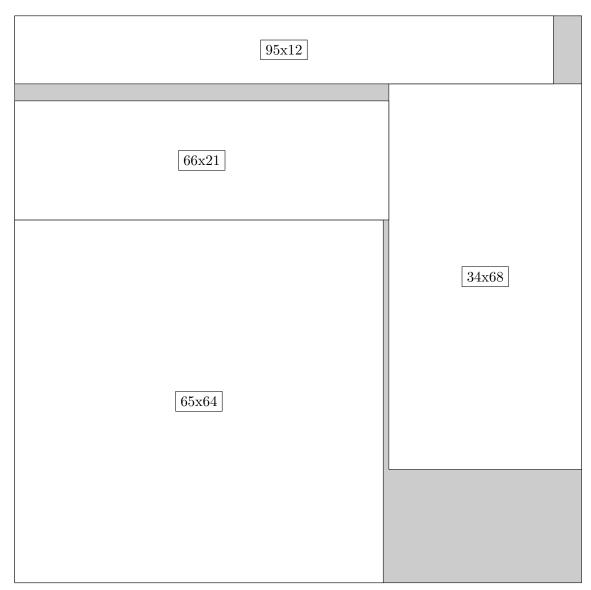
$$\le =57$$
 , h =36 , x =0 , y =64 , v =2052



$$w = 56$$
,  $h = 35$ ,  $x = 0$ ,  $y = 65$ ,  $v = 1960$ 

$$\le 53$$
 , h =61 , x =0 , y =0 , v =3233

$$\le =43$$
 , h =94 , x =56 , y =6 , v =4042

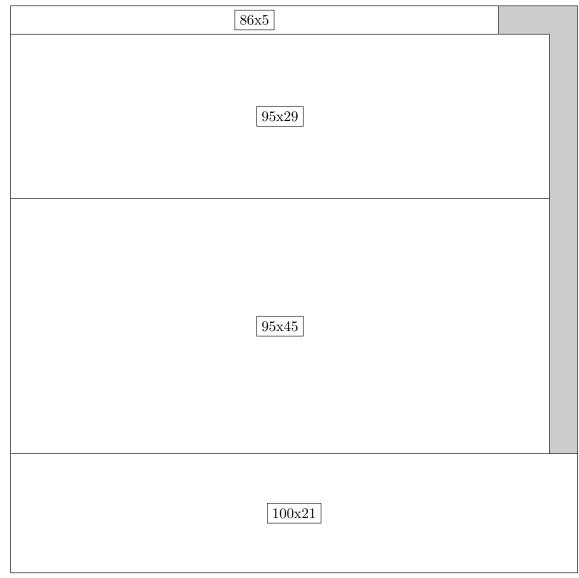


$$w = 65$$
,  $h = 64$ ,  $x = 0$ ,  $y = 0$ ,  $v = 4160$ 

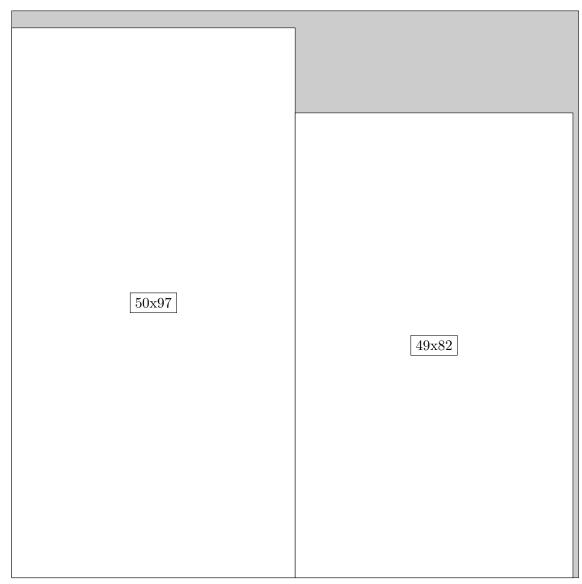
$$\le =34$$
 , h =68 , x =66 , y =20 , v =2312

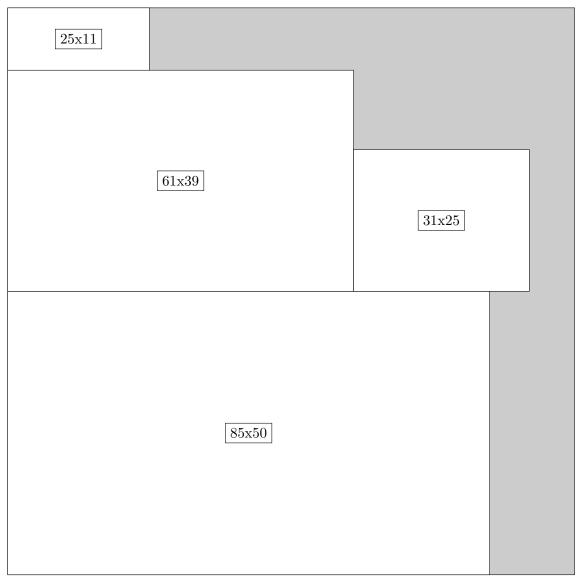
$$\le =66$$
 , h =21 , x =0 , y =64 , v =1386

$$\le =95$$
 ,  $h=12$  ,  $x=0$  ,  $y=88$  ,  $v=1140$ 



$$\begin{array}{l} w = \!95 \ , \ h = \!45 \ , \ x = \!0 \ , \ y = \!21 \ , \ v = \!4275 \\ w = \!95 \ , \ h = \!29 \ , \ x = \!0 \ , \ y = \!66 \ , \ v = \!2755 \\ w = \!100 \ , \ h = \!21 \ , \ x = \!0 \ , \ y = \!0 \ , \ v = \!2100 \\ w = \!86 \ , \ h = \!5 \ , \ x = \!0 \ , \ y = \!95 \ , \ v = \!430 \end{array}$$



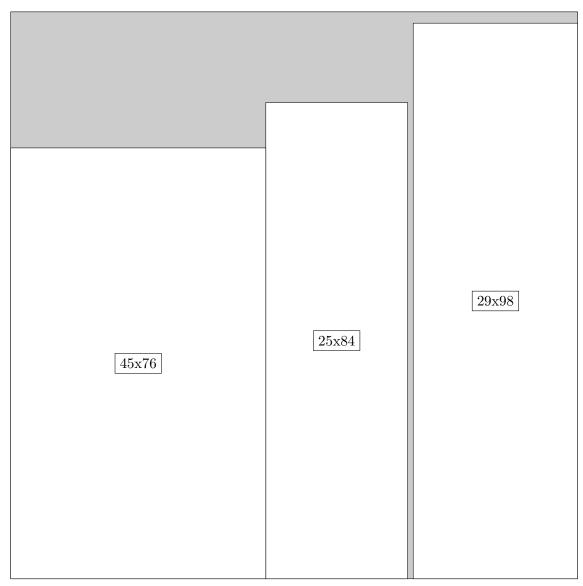


$$\le =85$$
 , h =50 , x =0 , y =0 , v =4250

$$\le =61$$
 , h =39 , x =0 , y =50 , v =2379

$$\le =31$$
 , h =25 , x =61 , y =50 , v =775

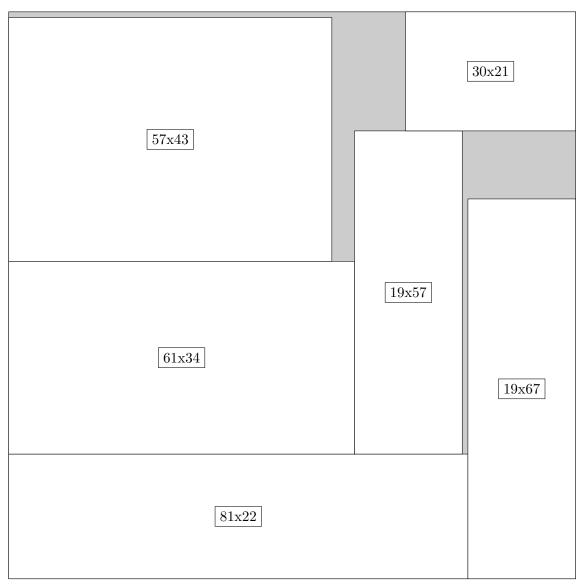
$$\le =25$$
 ,  $h$  =11 ,  $x$  =0 ,  $y$  =89 ,  $v$  =275



$$w$$
 =25 ,  $h$  =84 ,  $x$  =45 ,  $y$  =0 ,  $v$  =2100

$$\mathbf{w}$$
 =45 , h =76 , x =0 , y =0 , v =3420

$$w = 29$$
 ,  $h = 98$  ,  $x = 71$  ,  $y = 0$  ,  $v = 2842$ 



$$w = 81$$
,  $h = 22$ ,  $x = 0$ ,  $y = 0$ ,  $v = 1782$ 

$$w = 61$$
,  $h = 34$ ,  $x = 0$ ,  $y = 22$ ,  $v = 2074$ 

$$\le =57$$
 , h =43 , x =0 , y =56 , v =2451

$$\le =19$$
 ,  $h=\!67$  ,  $x=\!81$  ,  $y=\!0$  ,  $v=\!1273$ 

$$w$$
 =19 ,  $h$  =57 ,  $x$  =61 ,  $y$  =22 ,  $v$  =1083

$$w=\!30$$
 ,  $h=\!21$  ,  $x=\!70$  ,  $y=\!79$  ,  $v=\!630$