$ClassName: \ Class\_05.2bp\text{-}36$ 

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

TypeNum: 80 Num: **80** OutS: **270000** InS: 227546Rate: 0.843UB: **27** 

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

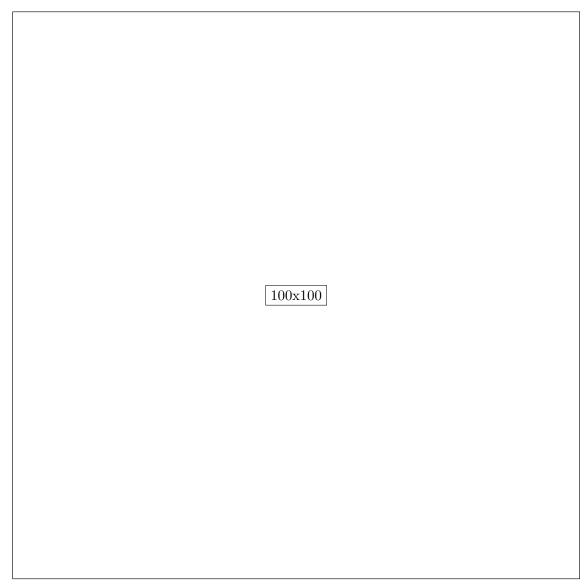
LBWithCut: 27 NodeCut: **0** 

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

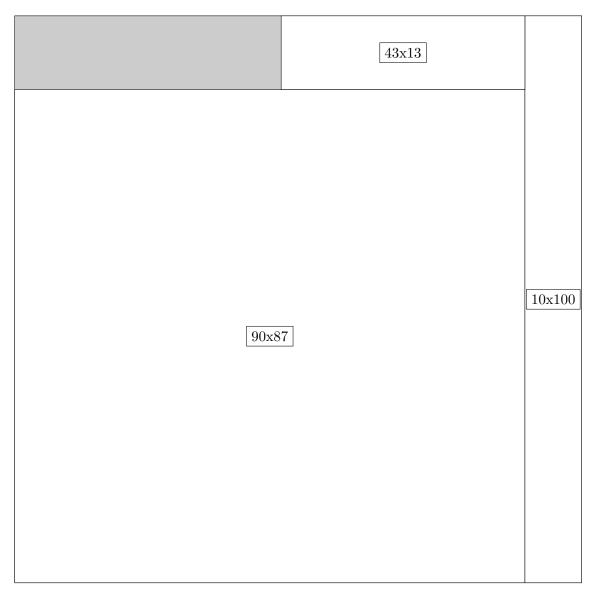
GenNodeCnt:  $\mathbf{1}$ PrimalNode:  $\mathbf{0}$ ColumnCount: 27  $TotalCutCount: \ \mathbf{0}$ RootCutCount:  $\underline{\mathbf{0}}$ LPSolverCnt:  $\underline{\mathbf{1}}$ PricingSolverCnt:  $\underline{\mathbf{0}}$ BranchAndBoundNum:  $\underline{\mathbf{1}}$ 

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

TimeOnInitSolution:  $\underline{0.160 \text{ s}}$ TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 s TimeOnRmp: 0.078 sTotalTime: 0.301 s



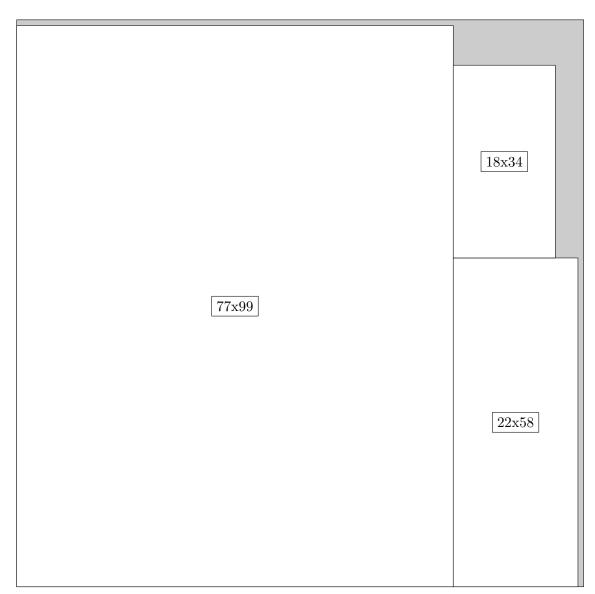
 $\mathbf{w}$  =100 , h =100 , x =0 , y =0 , v =10000



w = 90, h = 87, x = 0, y = 0, v = 7830

 $\le =10$  , h =100 , x =90 , y =0 , v =1000

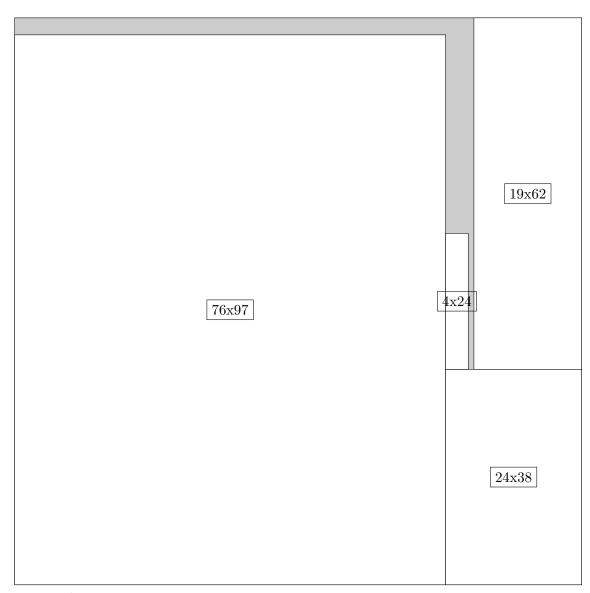
 $\le =43$  , h =13 , x =47 , y =87 , v =559



$$w = 77 \ , \ h = 99 \ , \ x = 0 \ , \ y = 0 \ , \ v = 7623$$

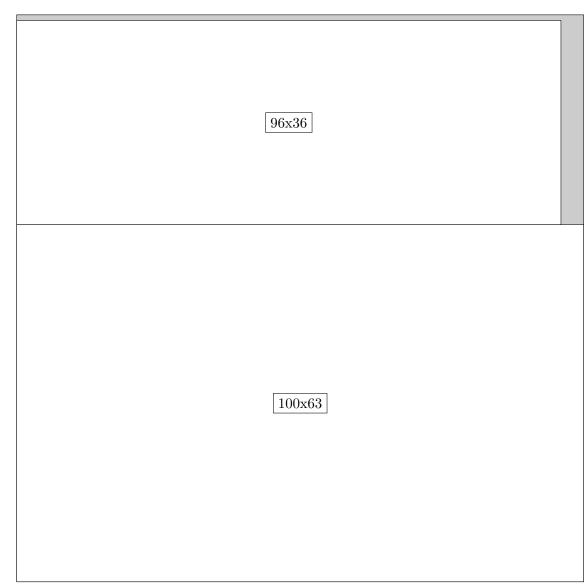
$$\le =22$$
 , h =58 , x =77 , y =0 , v =1276

$$w=\!18$$
 ,  $h=\!34$  ,  $x=\!77$  ,  $y=\!58$  ,  $v=\!612$ 

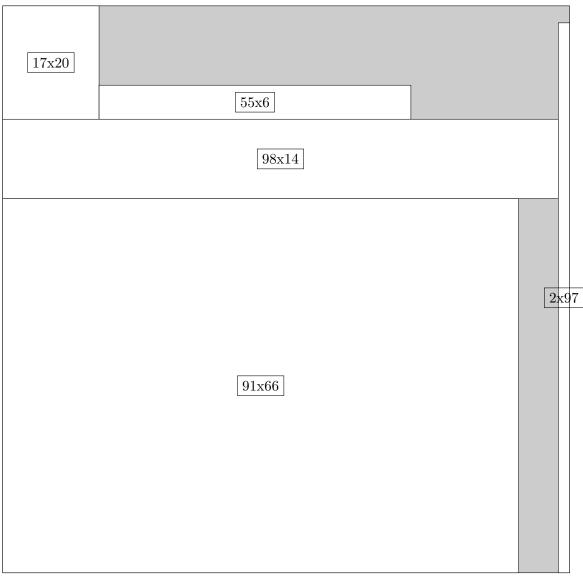


 $\le =24$  , h =38 , x =76 , y =0 , v =912

w = 4, h = 24, x = 76, y = 38, v = 96



$$\begin{array}{c} w = \! 100 \; , \; h = \! 63 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 6300 \\ w = \! 96 \; , \; h = \! 36 \; , \; x = \! 0 \; , \; y = \! 63 \; , \; v = \! 3456 \\ \end{array}$$



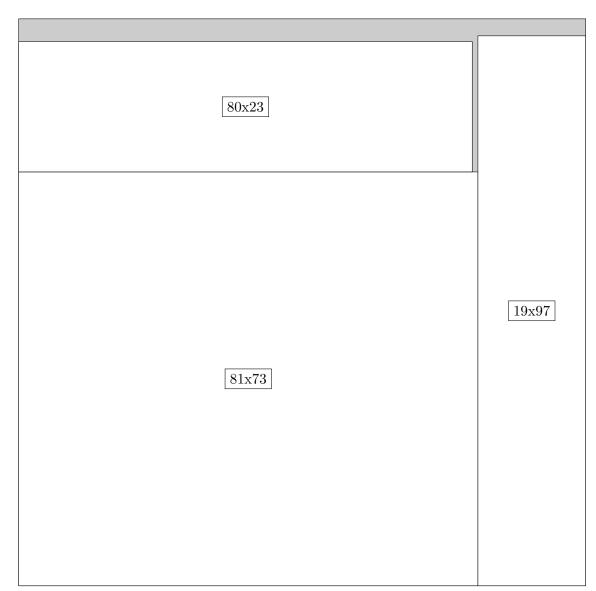
$$\le =91$$
 ,  $h=66$  ,  $x=0$  ,  $y=0$  ,  $v=6006$ 

$$\le =98$$
 , h =14 , x =0 , y =66 , v =1372

$$\le =17$$
 , h =20 , x =0 , y =80 , v =340

$$w = 55$$
,  $h = 6$ ,  $x = 17$ ,  $y = 80$ ,  $v = 330$ 

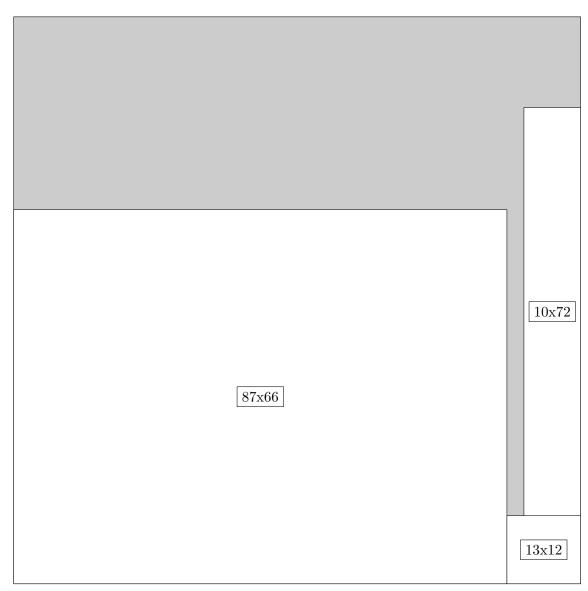
$$\mathbf{w}$$
 =2 , h =97 , x =98 , y =0 , v =194



$$\le =81$$
 ,  $h$  =73 ,  $x$  =0 ,  $y$  =0 ,  $v$  =5913

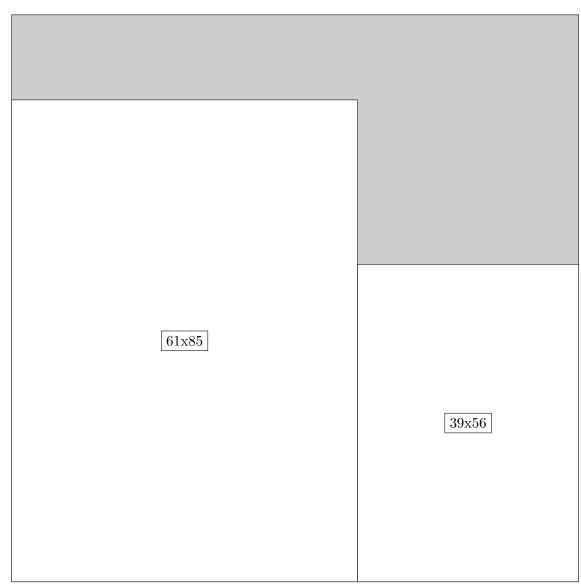
$$\le =19$$
 ,  $h$  =97 ,  $x$  =81 ,  $y$  =0 ,  $v$  =1843

$$\le =80$$
 , h =23 , x =0 , y =73 , v =1840

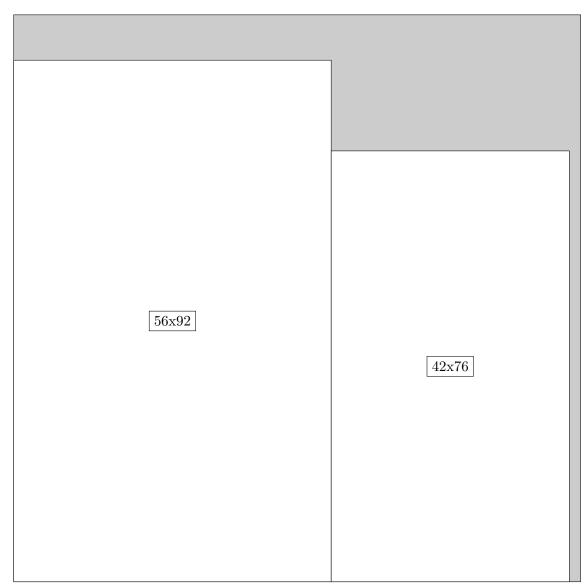


$$\begin{array}{l} w = \!\!87 \ , \ h = \!\!66 \ , \ x = \!\!0 \ , \ y = \!\!0 \ , \ v = \!\!5742 \\ w = \!\!10 \ , \ h = \!\!72 \ , \ x = \!\!90 \ , \ y = \!\!12 \ , \ v = \!\!720 \end{array}$$

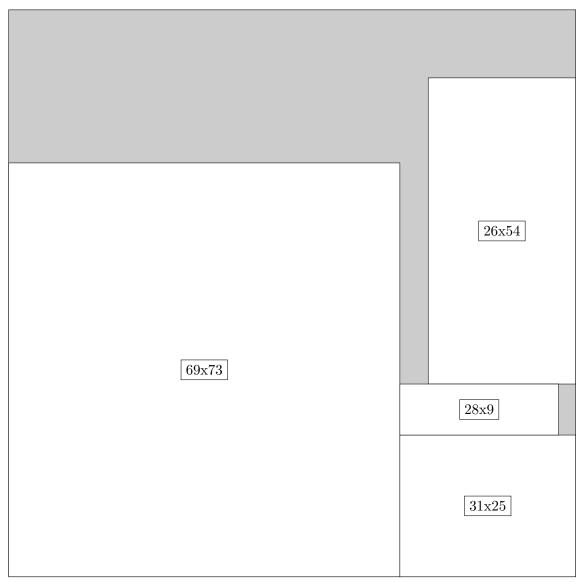
$$w$$
 =13 ,  $h$  =12 ,  $x$  =87 ,  $y$  =0 ,  $v$  =156



$$\begin{array}{c} w = \! 61 \; , \; h = \! 85 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 5185 \\ w = \! 39 \; , \; h = \! 56 \; , \; x = \! 61 \; , \; y = \! 0 \; , \; v = \! 2184 \\ \end{array}$$



$$\begin{array}{c} w = \!\! 56 \; , \; h = \!\! 92 \; , \; x = \!\! 0 \; , \; y = \!\! 0 \; , \; v = \!\! 5152 \\ w = \!\! 42 \; , \; h = \!\! 76 \; , \; x = \!\! 56 \; , \; y = \!\! 0 \; , \; v = \!\! 3192 \end{array}$$

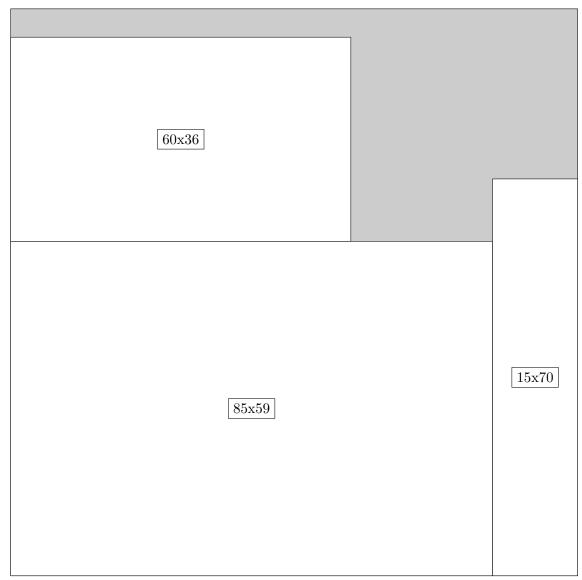


$$\le =69$$
 ,  $h=73$  ,  $x=0$  ,  $y=0$  ,  $v=5037$ 

$$\le =26$$
 , h =54 , x =74 , y =34 , v =1404

$$\le =31$$
 , h =25 , x =69 , y =0 , v =775

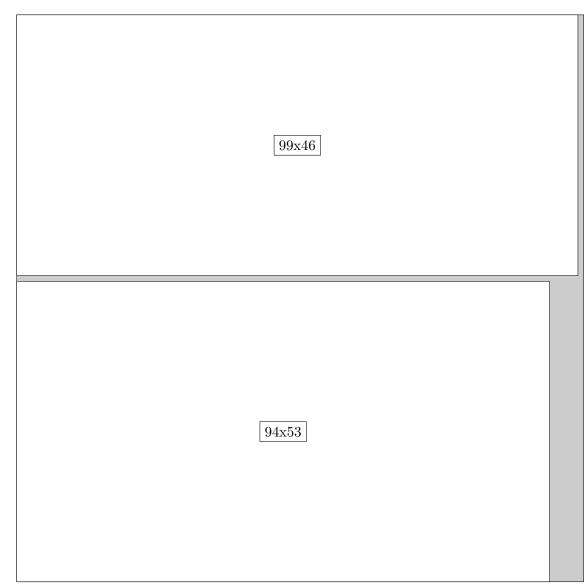
$$w=\!28$$
 ,  $h=\!9$  ,  $x=\!69$  ,  $y=\!25$  ,  $v=\!252$ 



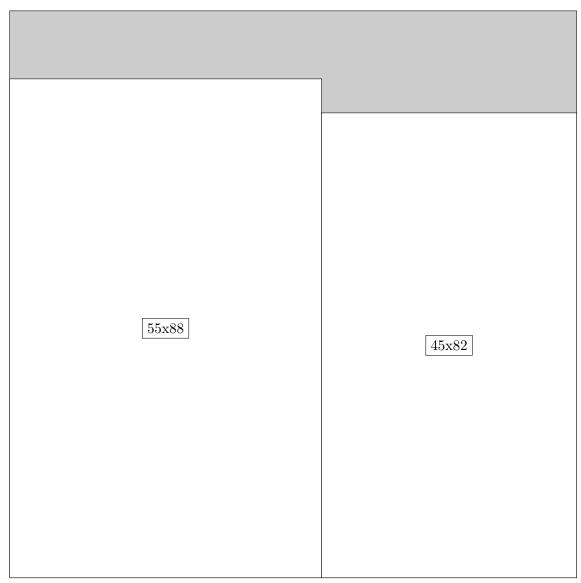
$$\le =85$$
 , h =59 , x =0 , y =0 , v =5015

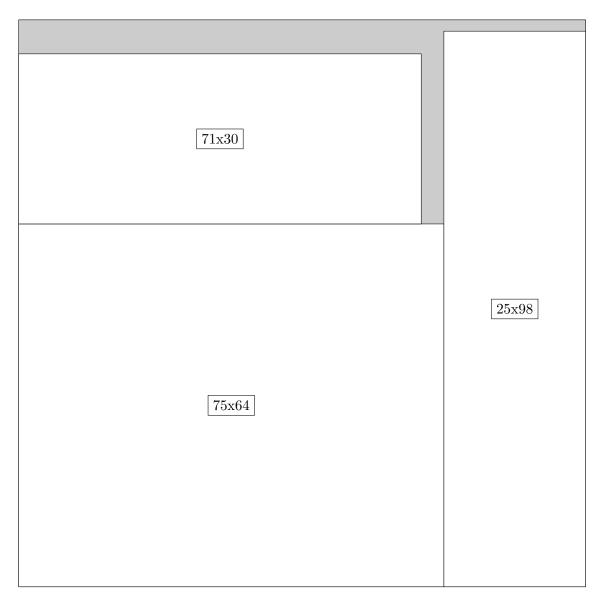
$$\le =60$$
 , h =36 , x =0 , y =59 , v =2160

$$\le =15$$
 ,  $h=70$  ,  $x=85$  ,  $y=0$  ,  $v=1050$ 



$$\begin{array}{c} w = 94 \; , \; h = \!\! 53 \; , \; x = \!\! 0 \; , \; y = \!\! 0 \; , \; v = \!\! 4982 \\ w = \!\! 99 \; , \; h = \!\! 46 \; , \; x = \!\! 0 \; , \; y = \!\! 54 \; , \; v = \!\! 4554 \\ \end{array}$$





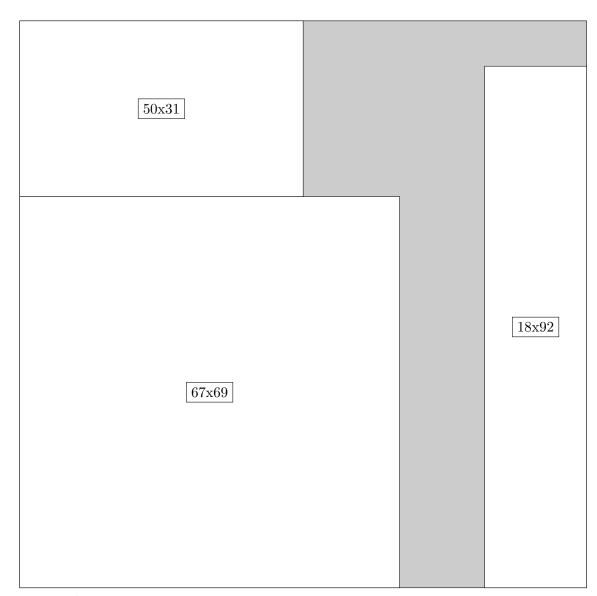
$$w = 75$$
,  $h = 64$ ,  $x = 0$ ,  $y = 0$ ,  $v = 4800$ 

$$\le =25$$
 , h =98 , x =75 , y =0 , v =2450

$$\le =71$$
 , h =30 , x =0 , y =64 , v =2130

53x88	47x88

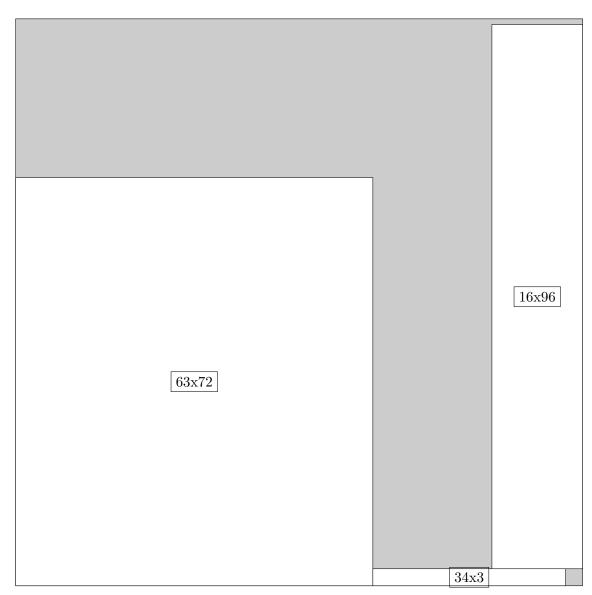
$$\begin{array}{c} w = \!\! 53 \; , \; h = \!\! 88 \; , \; x = \!\! 0 \; , \; y = \!\! 0 \; , \; v = \!\! 4664 \\ w = \!\! 47 \; , \; h = \!\! 88 \; , \; x = \!\! 53 \; , \; y = \!\! 0 \; , \; v = \!\! 4136 \\ \end{array}$$



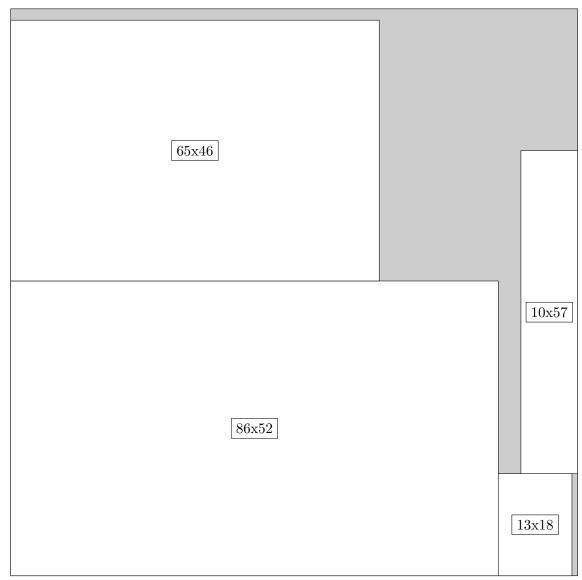
$$\le =67$$
 , h =69 , x =0 , y =0 , v =4623

$$\le =18$$
 , h =92 , x =82 , y =0 , v =1656

$$\le =50$$
 , h =31 , x =0 , y =69 , v =1550



 $\begin{array}{l} w = \!\!63 \ , \ h = \!\!72 \ , \ x = \!\!0 \ , \ y = \!\!0 \ , \ v = \!\!4536 \\ w = \!\!16 \ , \ h = \!\!96 \ , \ x = \!\!84 \ , \ y = \!\!3 \ , \ v = \!\!1536 \\ w = \!\!34 \ , \ h = \!\!3 \ , \ x = \!\!63 \ , \ y = \!\!0 \ , \ v = \!\!102 \end{array}$ 

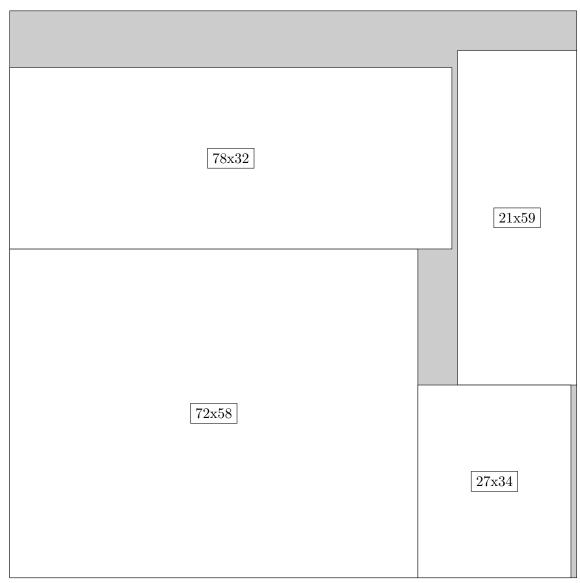


$$\le =86$$
 , h =52 , x =0 , y =0 , v =4472

$$\le =65$$
 , h =46 , x =0 , y =52 , v =2990

$$\le =10$$
 ,  $h=\!57$  ,  $x=\!90$  ,  $y=\!18$  ,  $v=\!570$ 

$$\mathbf{w}$$
 =13 , h =18 , x =86 , y =0 , v =234

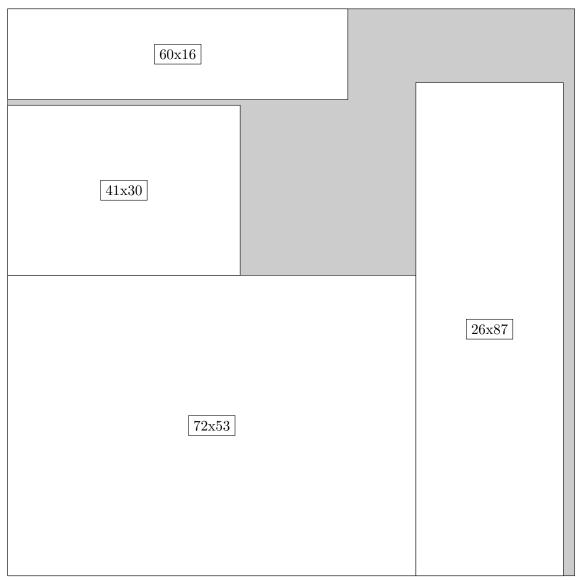


$$\mathbf{w}$$
 =72 , h =58 , x =0 , y =0 , v =4176

$$\le -78$$
 , h =32 , x =0 , y =58 , v =2496

$$\le =21$$
 , h =59 , x =79 , y =34 , v =1239

$$\mathbf{w}$$
 =27 , h =34 , x =72 , y =0 , v =918

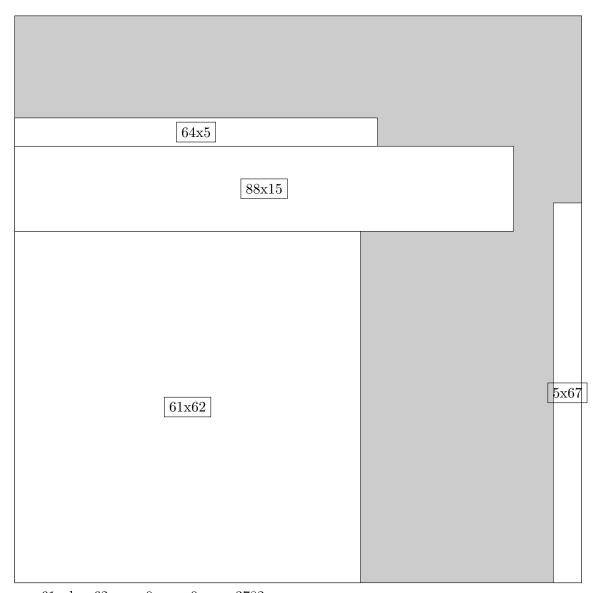


$$\le -72$$
 , h =  
53 , x =  
0 , y =  
0 , v =  
3816

$$\le =26$$
 , h =87 , x =72 , y =0 , v =2262

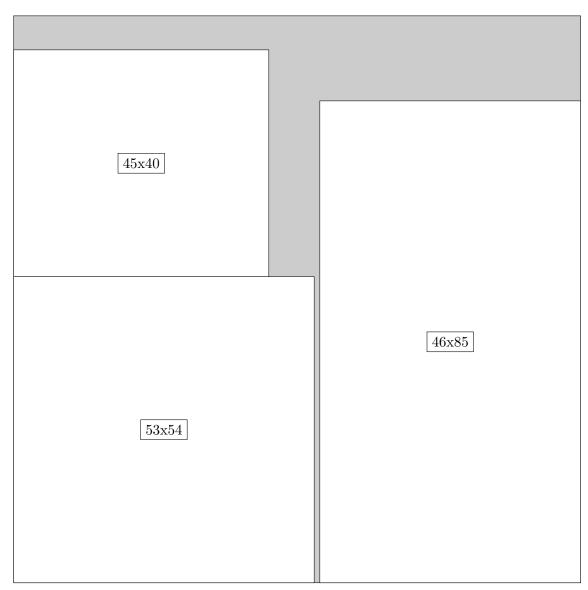
$$\le =41$$
 , h =30 , x =0 , y =53 , v =1230

$$\mathbf{w}$$
 =60 , h =16 , x =0 , y =84 , v =960



$$\begin{array}{l} w = \!\!61 \ , \ h = \!\!62 \ , \ x = \!\!0 \ , \ y = \!\!0 \ , \ v = \!\!3782 \\ w = \!\!88 \ , \ h = \!\!15 \ , \ x = \!\!0 \ , \ y = \!\!62 \ , \ v = \!\!1320 \\ w = \!\!5 \ , \ h = \!\!67 \ , \ x = \!\!95 \ , \ y = \!\!0 \ , \ v = \!\!335 \end{array}$$

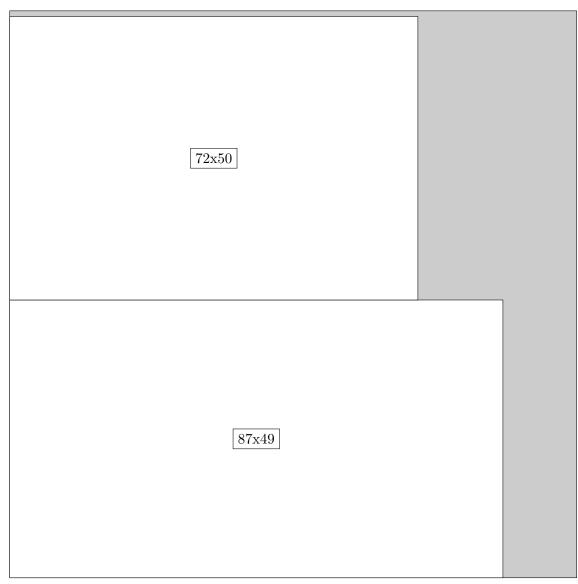
$$w = 64$$
,  $h = 5$ ,  $x = 0$ ,  $y = 77$ ,  $v = 320$ 



$$w = 46$$
,  $h = 85$ ,  $x = 54$ ,  $y = 0$ ,  $v = 3910$ 

$$\le =53$$
 ,  $h=54$  ,  $x=0$  ,  $y=0$  ,  $v=2862$ 

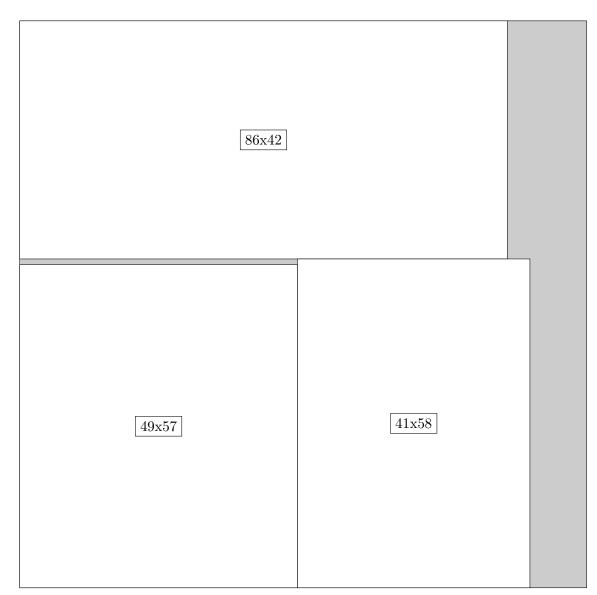
$$\le =45$$
 ,  $h=\!40$  ,  $x=\!0$  ,  $y=\!54$  ,  $v=\!1800$ 



$$\begin{array}{c} w = \! 87 \; , \; h = \! 49 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 4263 \\ w = \! 72 \; , \; h = \! 50 \; , \; x = \! 0 \; , \; y = \! 49 \; , \; v = \! 3600 \\ \end{array}$$

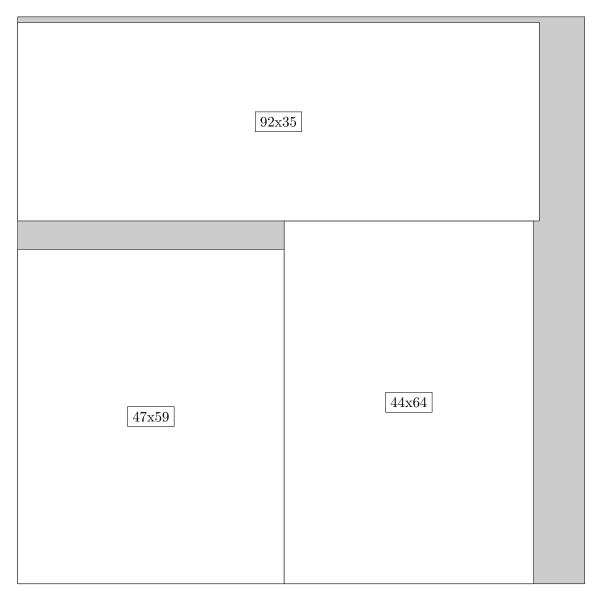
46x44	$54\mathrm{x}50$
$67 \mathrm{x} 50$	

$$\begin{array}{l} w = \! 67 \; , \; h = \! 50 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 3350 \\ w = \! 54 \; , \; h = \! 50 \; , \; x = \! 46 \; , \; y = \! 50 \; , \; v = \! 2700 \\ w = \! 46 \; , \; h = \! 44 \; , \; x = \! 0 \; , \; y = \! 50 \; , \; v = \! 2024 \end{array}$$



$$\begin{array}{l} w = \!\!86 \ , \ h = \!\!42 \ , \ x = \!\!0 \ , \ y = \!\!58 \ , \ v = \!\!3612 \\ w = \!\!49 \ , \ h = \!\!57 \ , \ x = \!\!0 \ , \ y = \!\!0 \ , \ v = \!\!2793 \end{array}$$

$$w = 41$$
,  $h = 58$ ,  $x = 49$ ,  $y = 0$ ,  $v = 2378$ 



$$\mathbf{w}$$
 =47 , h =59 , x =0 , y =0 , v =2773

$$\le =44$$
 ,  $h=\!64$  ,  $x=\!47$  ,  $y=\!0$  ,  $v=\!2816$ 

$$\le =92$$
 , h =35 , x =0 , y =64 , v =3220