$ClassName: \ Class\_05.2bp\text{-}35$ 

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

TypeNum: <u>80</u> Num: <u>80</u> OutS: <u>260000</u> InS: <u>215710</u> Rate: <u>0.830</u> UB: <u>26</u> LB0: <u>25</u>

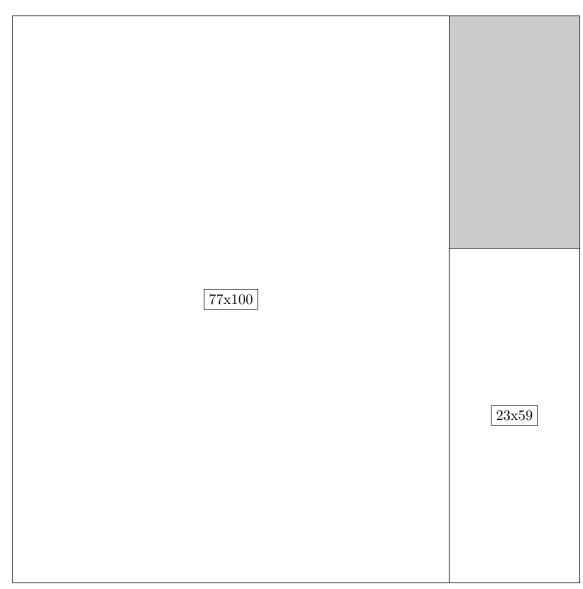
LB: <u>26</u> LBWithCut: <u>26</u>

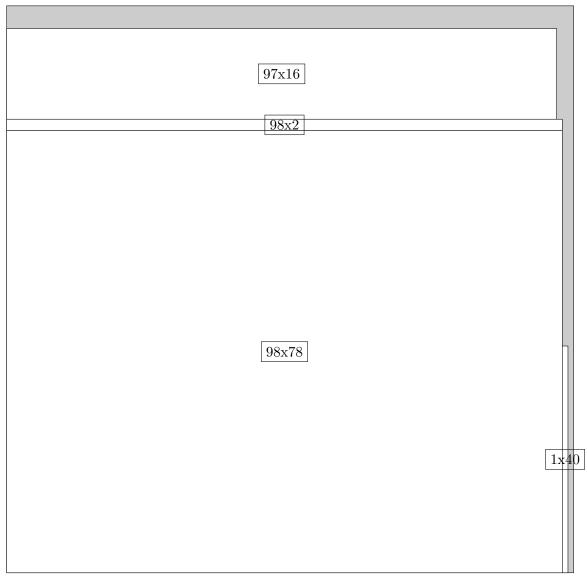
GenNodeCnt:  $\underline{\mathbf{1}}$ PrimalNode:  $\underline{\mathbf{0}}$ ColumnCount:  $\underline{\mathbf{74}}$ TotalCutCount:  $\underline{\mathbf{0}}$ RootCutCount:  $\underline{\mathbf{0}}$ LPSolverCnt:  $\underline{\mathbf{49}}$ PricingSolverCnt:  $\underline{\mathbf{49}}$ BranchAndBoundNum:  $\underline{\mathbf{1}}$ 

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

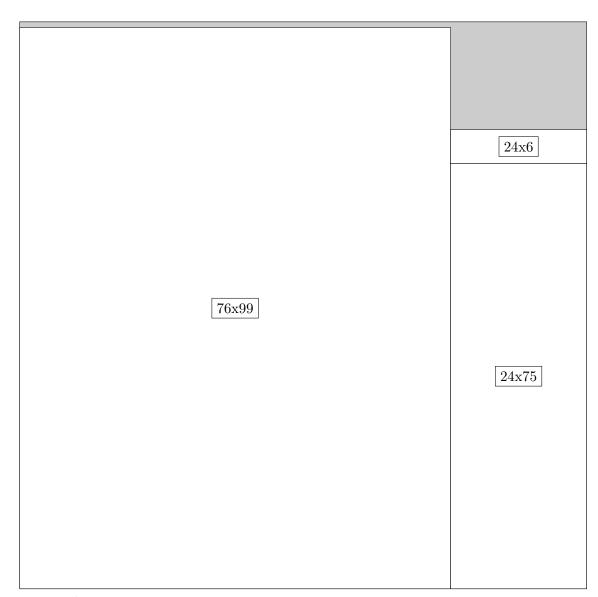
TimeOnInitSolution:  $\underline{120.020 \text{ s}}$ 

TimeOnPrimal: 0.000 sTimeOnPricing: 3.077 sTimeOnRmp: 0.126 sTotalTime: 123.317 s

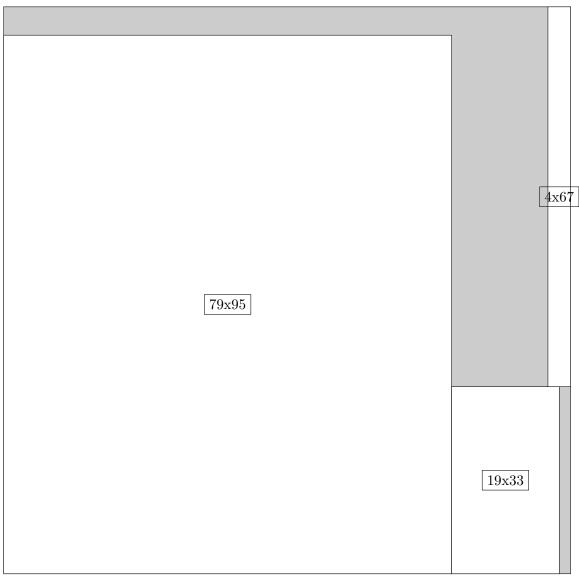




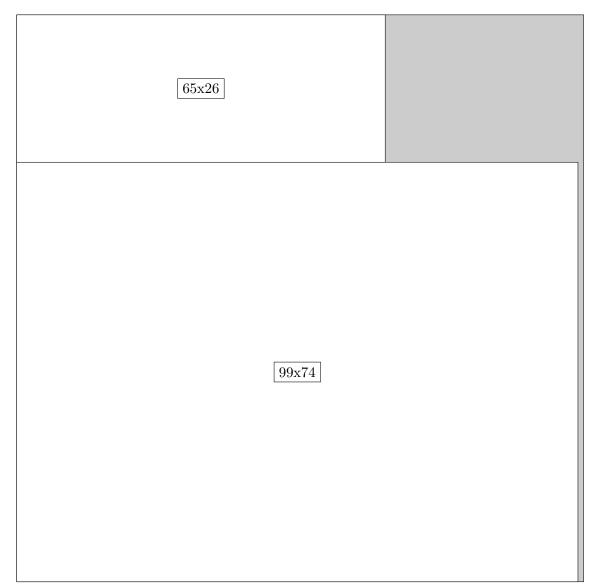
$$\begin{array}{l} w = \! 98 \ , \ h = \! 78 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 7644 \\ w = \! 97 \ , \ h = \! 16 \ , \ x = \! 0 \ , \ y = \! 80 \ , \ v = \! 1552 \\ w = \! 98 \ , \ h = \! 2 \ , \ x = \! 0 \ , \ y = \! 78 \ , \ v = \! 196 \\ w = \! 1 \ , \ h = \! 40 \ , \ x = \! 98 \ , \ y = \! 0 \ , \ v = \! 40 \end{array}$$



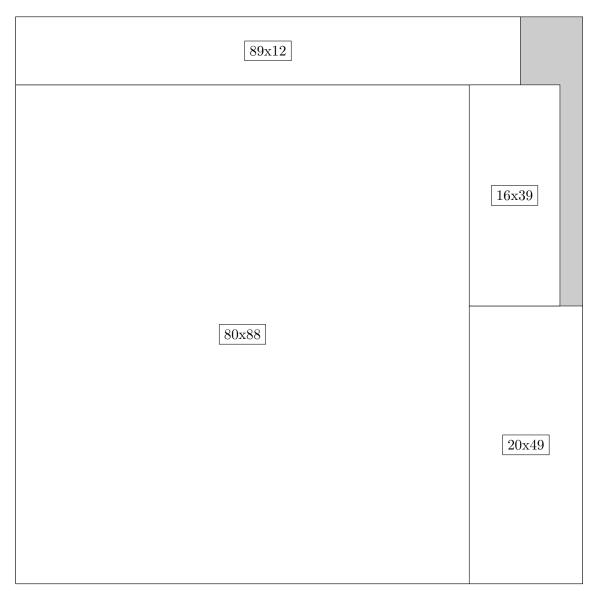
$$w = 24$$
,  $h = 6$ ,  $x = 76$ ,  $y = 75$ ,  $v = 144$ 



 $\begin{array}{l} w = 79 \ , \ h = 95 \ , \ x = 0 \ , \ y = 0 \ , \ v = 7505 \\ w = 19 \ , \ h = 33 \ , \ x = 79 \ , \ y = 0 \ , \ v = 627 \\ w = 4 \ , \ h = 67 \ , \ x = 96 \ , \ y = 33 \ , \ v = 268 \end{array}$ 



$$\begin{array}{c} w = 99 \ , \ h = 74 \ , \ x = 0 \ , \ y = 0 \ , \ v = 7326 \\ w = 65 \ , \ h = 26 \ , \ x = 0 \ , \ y = 74 \ , \ v = 1690 \\ \end{array}$$

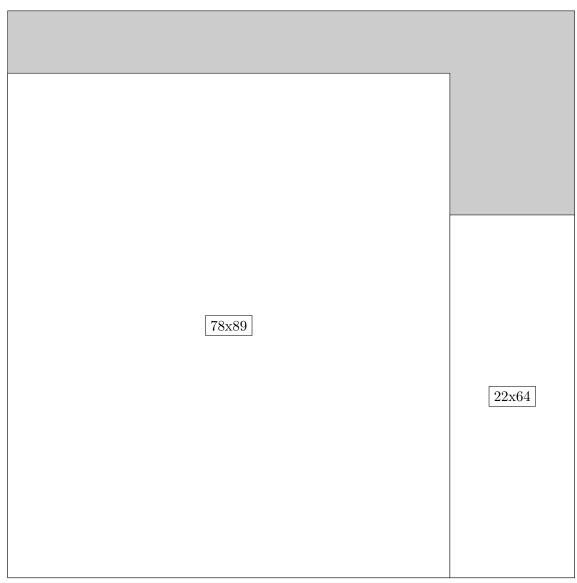


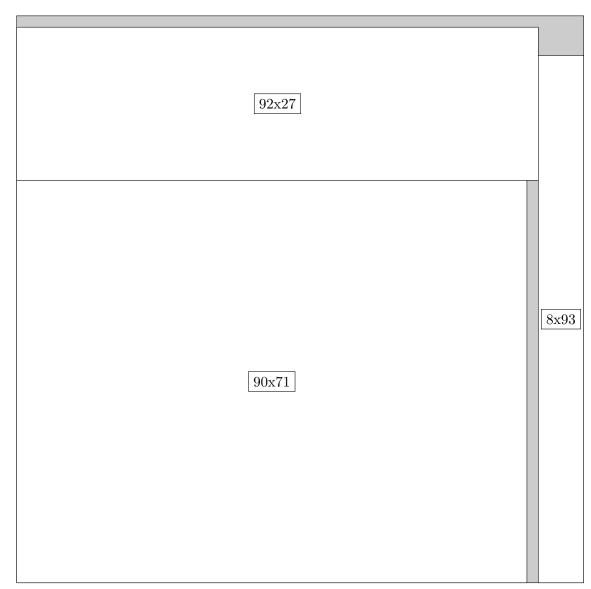
$$w$$
 =80 ,  $h$  =88 ,  $x$  =0 ,  $y$  =0 ,  $v$  =7040

$$\le =89$$
 ,  $h$  =12 ,  $x$  =0 ,  $y$  =88 ,  $v$  =1068

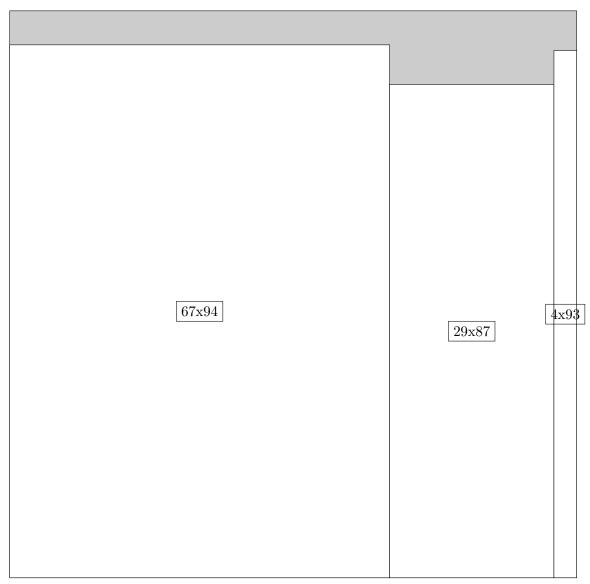
$$\le =20$$
 , h =49 , x =80 , y =0 , v =980

$$w$$
 =16 , h =39 , x =80 , y =49 , v =624





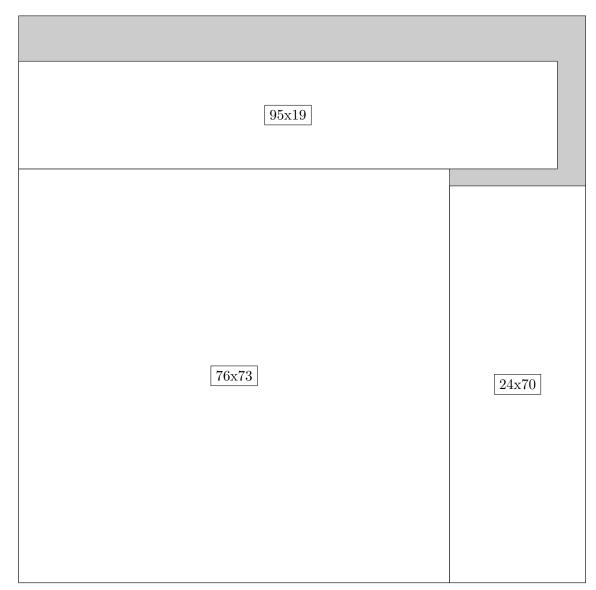
$$\begin{array}{l} w = & 90 \ , \ h = & 71 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 6390 \\ w = & 92 \ , \ h = & 27 \ , \ x = & 0 \ , \ y = & 71 \ , \ v = & 2484 \\ w = & 8 \ , \ h = & 93 \ , \ x = & 92 \ , \ y = & 0 \ , \ v = & 744 \end{array}$$



 $\begin{array}{l} w = \!67 \ , \ h = \!94 \ , \ x = \!0 \ , \ y = \!0 \ , \ v = \!6298 \\ w = \!29 \ , \ h = \!87 \ , \ x = \!67 \ , \ y = \!0 \ , \ v = \!2523 \\ w = \!4 \ , \ h = \!93 \ , \ x = \!96 \ , \ y = \!0 \ , \ v = \!372 \end{array}$ 

59x41		38x42
	100x58	

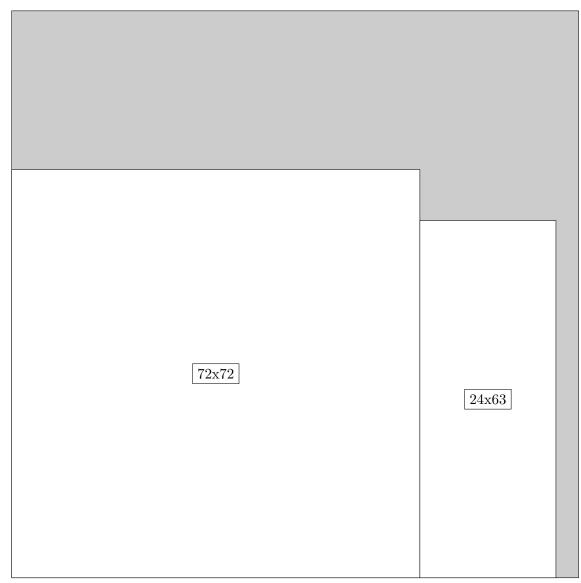
$$\begin{array}{l} w = \! 100 \; , \; h = \! 58 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 5800 \\ w = \! 59 \; , \; h = \! 41 \; , \; x = \! 0 \; , \; y = \! 58 \; , \; v = \! 2419 \\ w = \! 38 \; , \; h = \! 42 \; , \; x = \! 62 \; , \; y = \! 58 \; , \; v = \! 1596 \end{array}$$



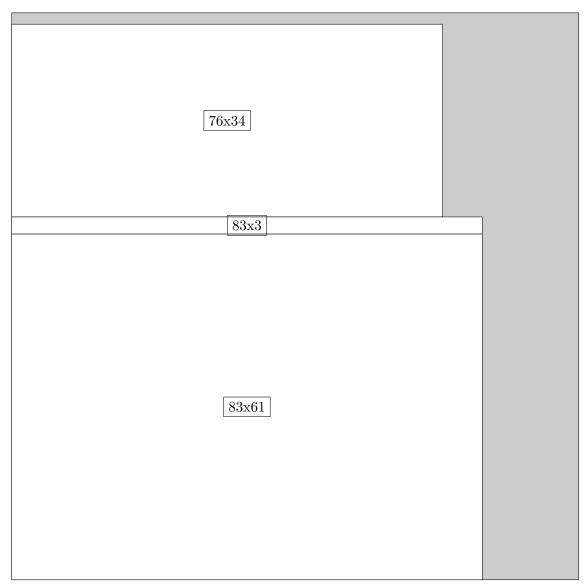
$$\mathbf{w}$$
 =76 , h =73 , x =0 , y =0 , v =5548

$$\le =95$$
 , h =19 , x =0 , y =73 , v =1805

$$\le =24$$
 ,  $h=70$  ,  $x=76$  ,  $y=0$  ,  $v=1680$ 



$$\begin{array}{c} w = 72 \; , \; h = 72 \; , \; x = 0 \; , \; y = 0 \; , \; v = 5184 \\ w = 24 \; , \; h = 63 \; , \; x = 72 \; , \; y = 0 \; , \; v = 1512 \\ \end{array}$$



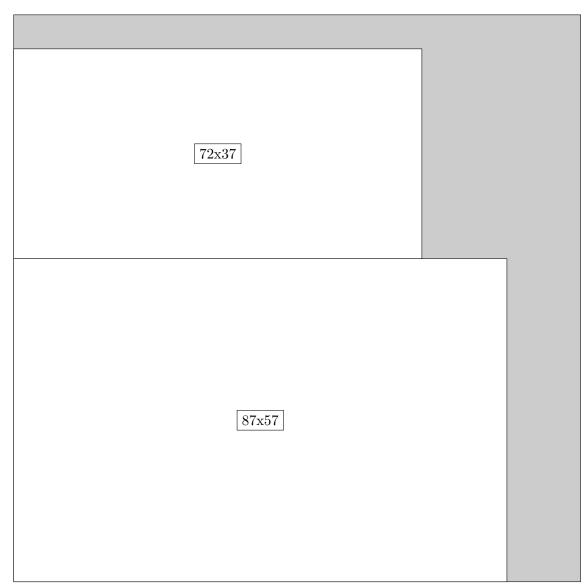
$$\begin{array}{l} w = \! 83 \ , \ h = \! 61 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 5063 \\ w = \! 76 \ , \ h = \! 34 \ , \ x = \! 0 \ , \ y = \! 64 \ , \ v = \! 2584 \\ w = \! 83 \ , \ h = \! 3 \ , \ x = \! 0 \ , \ y = \! 61 \ , \ v = \! 249 \end{array}$$

[68x23]	
73x68	27x69

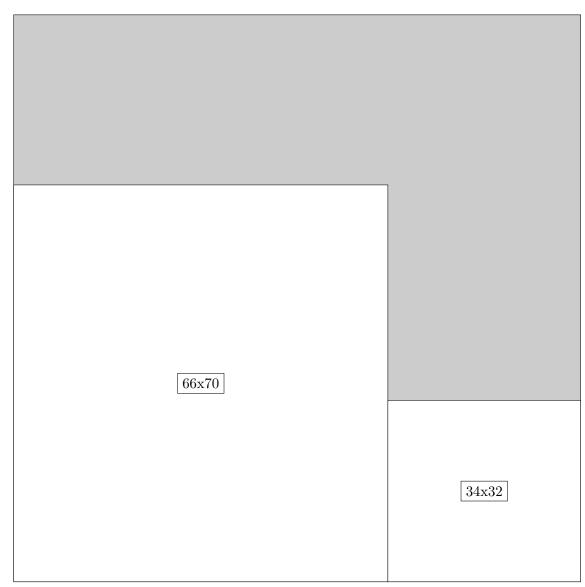
$$\le -73$$
 , h =68 , x =0 , y =0 , v =4964

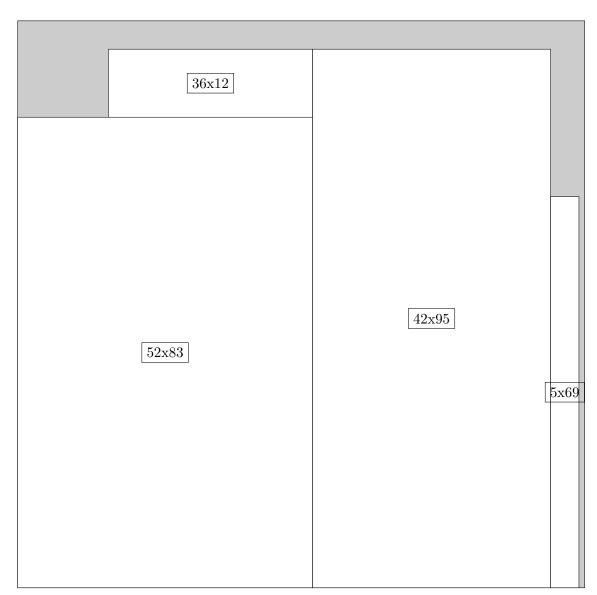
$$\le =27$$
 , h =69 , x =73 , y =0 , v =1863

$$\le =68$$
 , h =23 , x =0 , y =68 , v =1564



$$\begin{array}{c} w = \! 87 \; , \; h = \! 57 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 4959 \\ w = \! 72 \; , \; h = \! 37 \; , \; x = \! 0 \; , \; y = \! 57 \; , \; v = \! 2664 \\ \end{array}$$



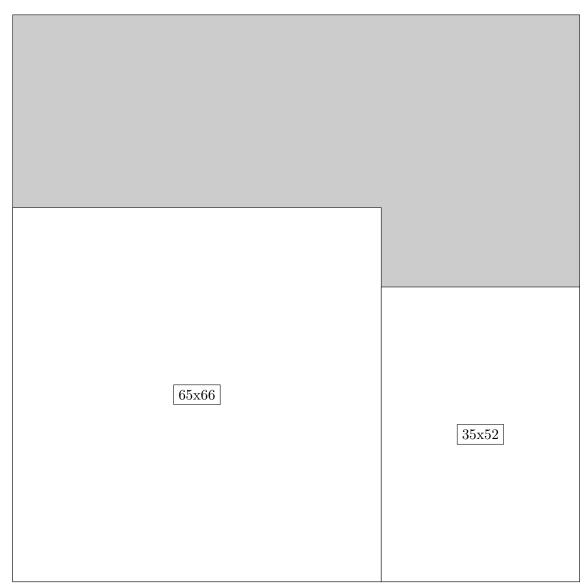


$$\le 52$$
 ,  $\le 83$  ,  $\ge 0$  , y =0 , v =4316

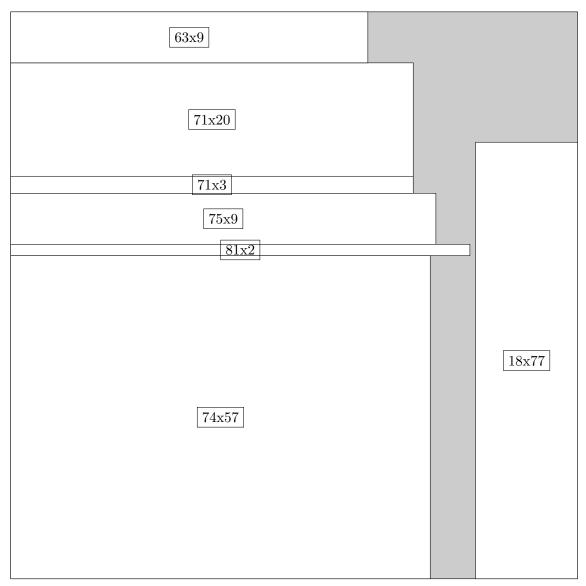
$$\le =42$$
 ,  $h$  =95 ,  $x$  =52 ,  $y$  =0 ,  $v$  =3990

$$\le =36$$
 , h =12 , x =16 , y =83 , v =432

$$w=\!5$$
 ,  $h=\!69$  ,  $x=\!94$  ,  $y=\!0$  ,  $v=\!345$ 



$$\begin{array}{c} w = \!\!65 \; , \; h = \!\!66 \; , \; x = \!\!0 \; , \; y = \!\!0 \; , \; v = \!\!4290 \\ w = \!\!35 \; , \; h = \!\!52 \; , \; x = \!\!65 \; , \; y = \!\!0 \; , \; v = \!\!1820 \\ \end{array}$$



$$w = 74$$
,  $h = 57$ ,  $x = 0$ ,  $y = 0$ ,  $v = 4218$ 

$$\mathbf{w}$$
 =71 , h =20 , x =0 , y =71 , v =1420

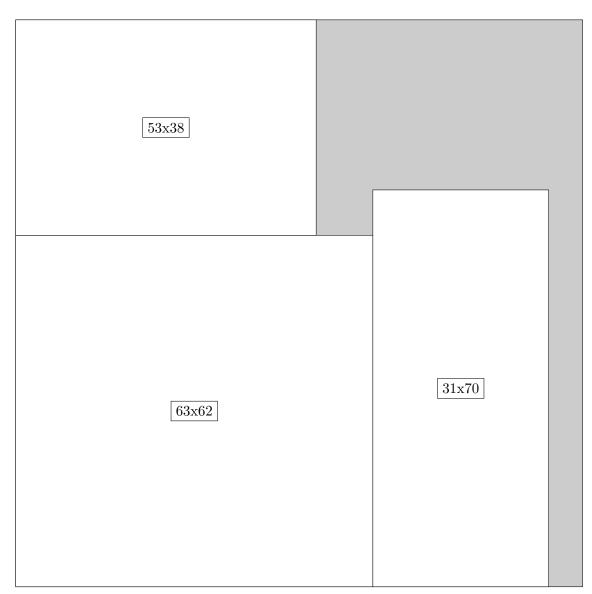
$$\le =18$$
 ,  $h$  =77 ,  $x$  =82 ,  $y$  =0 ,  $v$  =1386

$$\le -75$$
 , h =9 , x =0 , y =59 , v =675

$$\le =63$$
 ,  $h=9$  ,  $x=0$  ,  $y=\!91$  ,  $v=\!567$ 

$$w = 71$$
,  $h = 3$ ,  $x = 0$ ,  $y = 68$ ,  $v = 213$ 

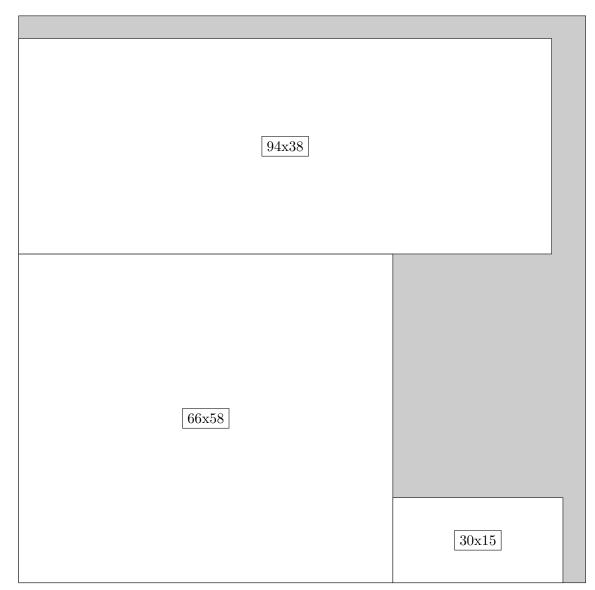
$$w$$
 =81 , h =2 , x =0 , y =57 , v =162



$$w = 63$$
,  $h = 62$ ,  $x = 0$ ,  $y = 0$ ,  $v = 3906$ 

$$\le =31$$
 ,  $h$  =70 ,  $x$  =63 ,  $y$  =0 ,  $v$  =2170

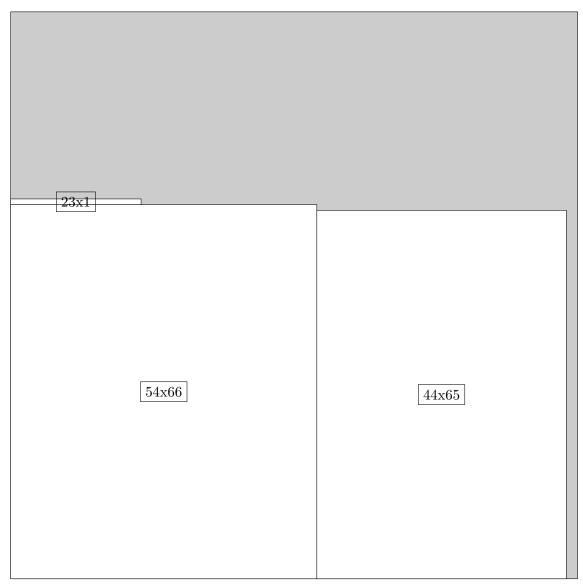
$$\le =53$$
 , h =38 , x =0 , y =62 , v =2014



$$\mathbf{w}$$
 =66 , h =58 , x =0 , y =0 , v =3828

$$\le =30$$
 , h =15 , x =66 , y =0 , v =450

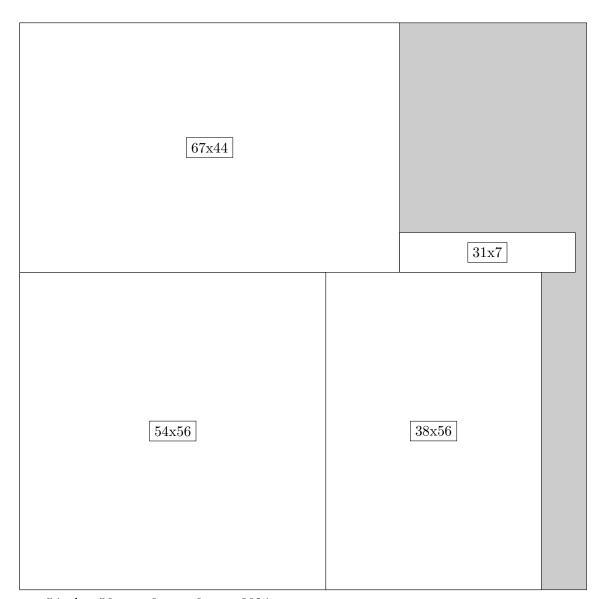
$$\le =94$$
 , h =38 , x =0 , y =58 , v =3572



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

$$\le =44$$
 ,  $h=\!65$  ,  $x=\!54$  ,  $y=\!0$  ,  $v=\!2860$ 

$$\le =23$$
 , h =1 , x =0 , y =66 , v =23

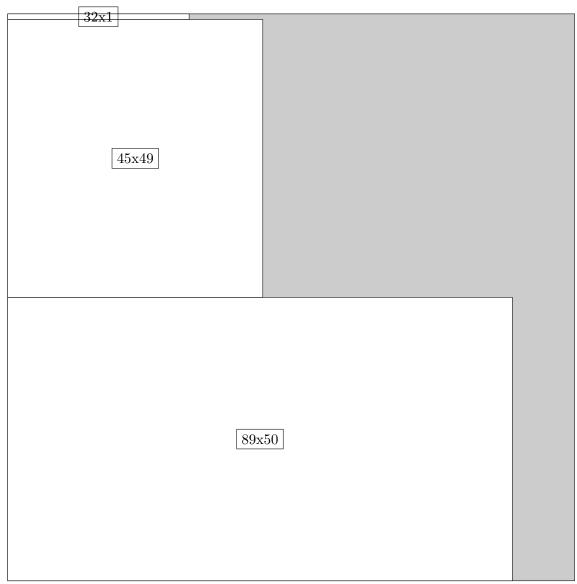


$$\le =54$$
 ,  $h=\! 56$  ,  $x=\! 0$  ,  $y=\! 0$  ,  $v=\! 3024$ 

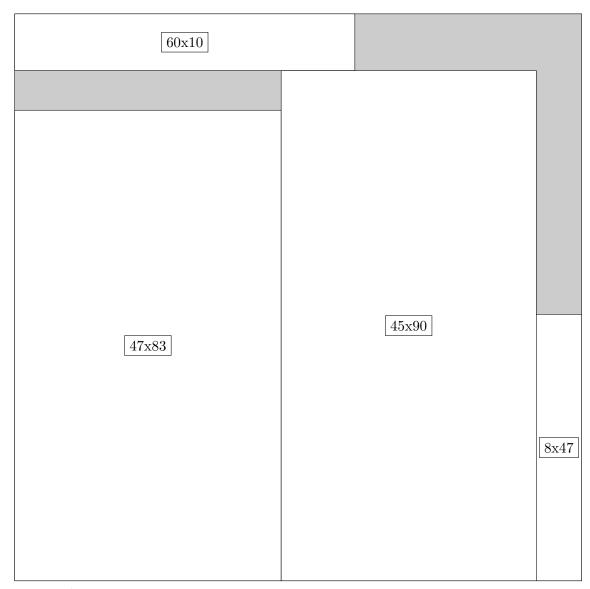
$$\le =67$$
 , h =44 , x =0 , y =  
56 , v =2948

$$\le =38$$
 , h =  
56 , x =  
54 , y =  
0 , v =  
2128

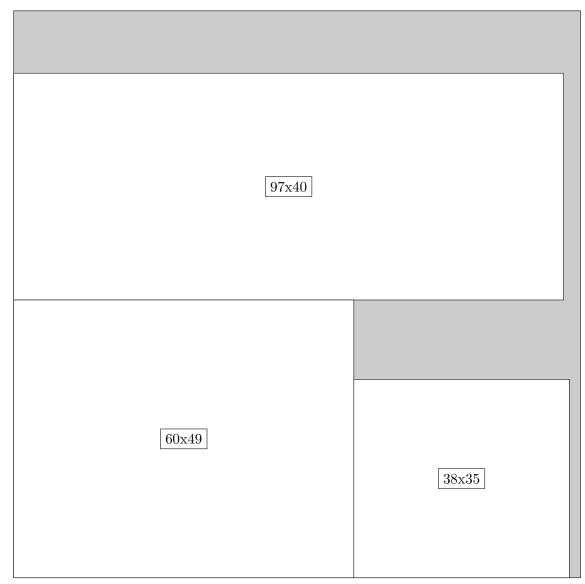
$$\le =31$$
 ,  $h=7$  ,  $x=67$  ,  $y=56$  ,  $v=217$ 



$$\begin{array}{l} w = & 89 \ , \ h = & 50 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 4450 \\ w = & 45 \ , \ h = & 49 \ , \ x = & 0 \ , \ y = & 50 \ , \ v = & 2205 \\ w = & 32 \ , \ h = & 1 \ , \ x = & 0 \ , \ y = & 99 \ , \ v = & 32 \end{array}$$



$$\begin{array}{l} w = \!\! 47 \;,\; h = \!\! 83 \;,\; x = \!\! 0 \;,\; y = \!\! 0 \;,\; v = \!\! 3901 \\ w = \!\! 45 \;,\; h = \!\! 90 \;,\; x = \!\! 47 \;,\; y = \!\! 0 \;,\; v = \!\! 4050 \\ w = \!\! 60 \;,\; h = \!\! 10 \;,\; x = \!\! 0 \;,\; y = \!\! 90 \;,\; v = \!\! 600 \\ w = \!\! 8 \;,\; h = \!\! 47 \;,\; x = \!\! 92 \;,\; y = \!\! 0 \;,\; v = \!\! 376 \end{array}$$



$$\le =97$$
 , h =40 , x =0 , y =49 , v =3880

$$\mathbf{w}$$
 =60 , h =49 , x =0 , y =0 , v =2940

$$\le =38$$
 , h =35 , x =60 , y =0 , v =1330