$ClassName: \ Class_05.2bp\text{-}38$

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

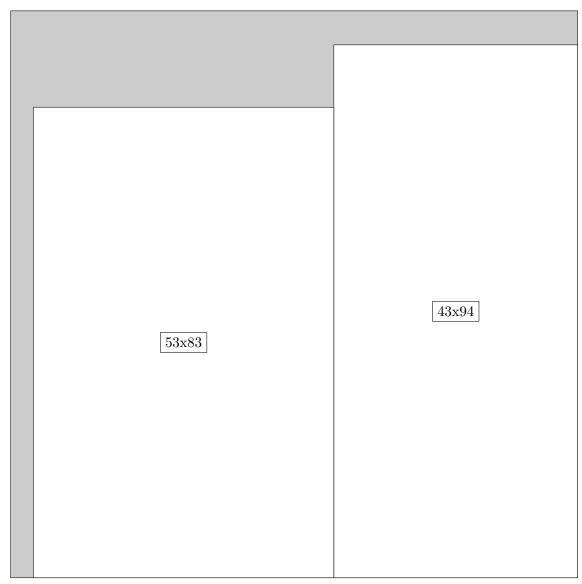
TypeNum: <u>79</u> Num: <u>80</u> OutS: <u>270000</u> InS: <u>234559</u> Rate: <u>0.869</u> UB: <u>27</u> LB: <u>27</u>

LBWithCut: $\underline{27}$ NodeCount: $\underline{0}$ PrimalNode: $\underline{0}$ ColumnCount: $\underline{136}$ TotalCutCount: $\underline{0}$ RootCutCount: $\underline{0}$ LPSolverCnt: $\underline{110}$ PricingSolverCnt: $\underline{110}$ BranchAndBoundNum: $\underline{1}$

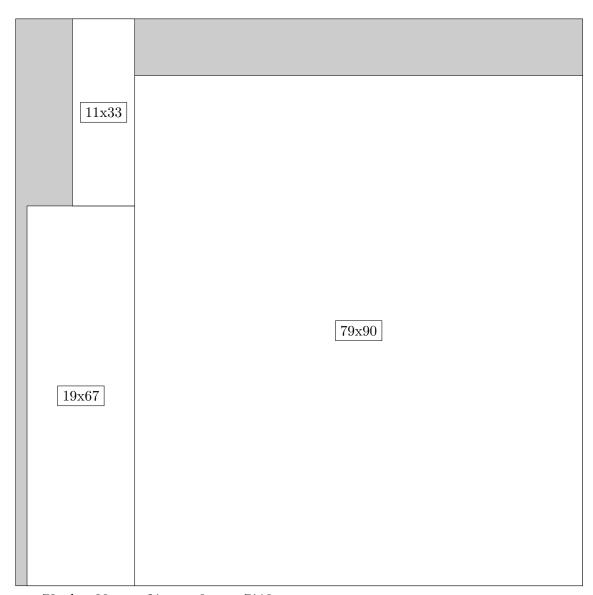
isOpt: **true**

TimeOnPrimal: $\underline{0.000 \text{ s}}$ TimeOnPricing: $\underline{2218.598 \text{ s}}$

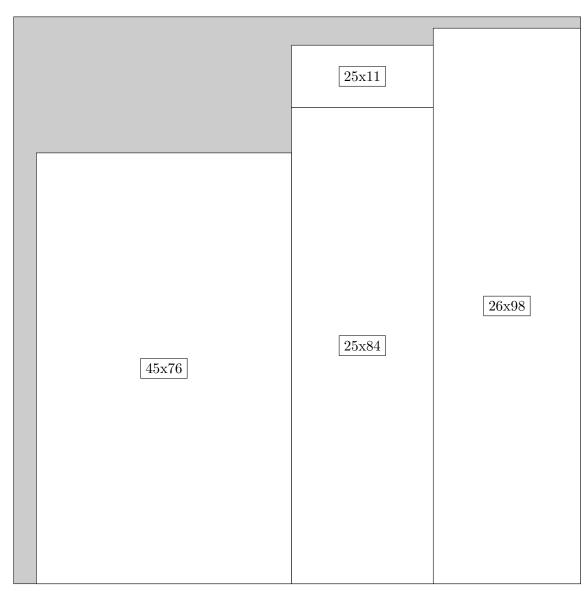
TimeOnRmp: $\underline{0.187 \text{ s}}$ TotalTime: $\underline{2218.926 \text{ s}}$



$$\begin{array}{l} w = \!\! 43 \ , \ h = \!\! 94 \ , \ x = \!\! 57 \ , \ y = \!\! 0 \ , \ v = \!\! 4042 \\ w = \!\! 53 \ , \ h = \!\! 83 \ , \ x = \!\! 4 \ , \ y = \!\! 0 \ , \ v = \!\! 4399 \end{array}$$



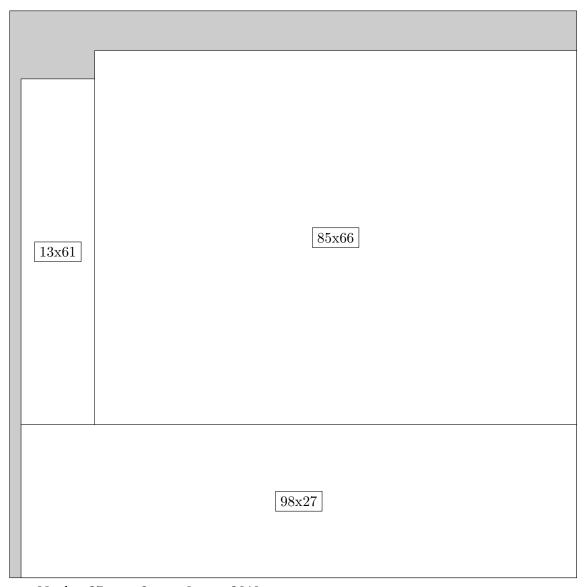
$$\begin{array}{l} w = 79 \ , \ h = 90 \ , \ x = 21 \ , \ y = 0 \ , \ v = 7110 \\ w = 19 \ , \ h = 67 \ , \ x = 2 \ , \ y = 0 \ , \ v = 1273 \\ w = 11 \ , \ h = 33 \ , \ x = 10 \ , \ y = 67 \ , \ v = 363 \end{array}$$



$$\begin{array}{l} w = \! 26 \ , \ h = \! 98 \ , \ x = \! 74 \ , \ y = \! 0 \ , \ v = \! 2548 \\ w = \! 25 \ , \ h = \! 84 \ , \ x = \! 49 \ , \ y = \! 0 \ , \ v = \! 2100 \end{array}$$

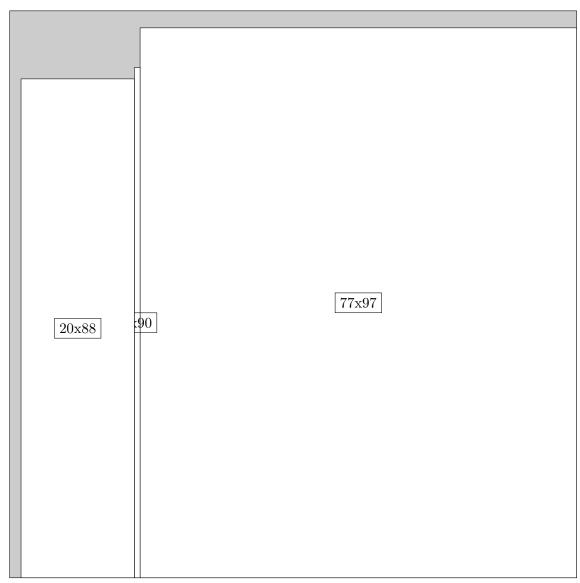
$$\le =25$$
 , h =11 , x =49 , y =84 , v =275

$$\mathbf{w}$$
 =45 , h =76 , x =4 , y =0 , v =3420

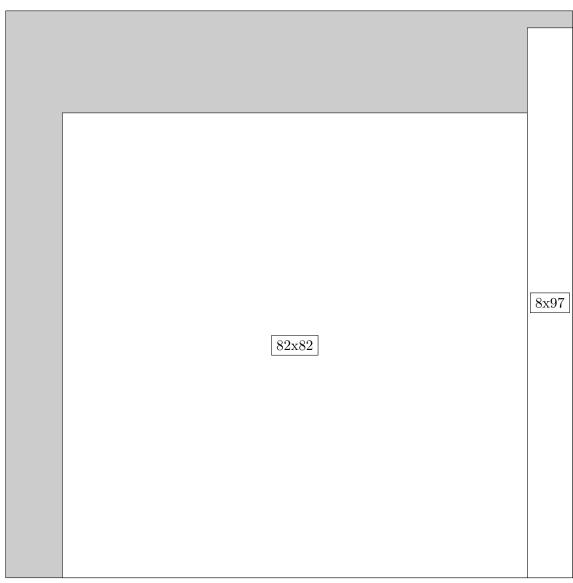


$$\begin{array}{l} w = \! 98 \ , \ h = \! 27 \ , \ x = \! 2 \ , \ y = \! 0 \ , \ v = \! 2646 \\ w = \! 85 \ , \ h = \! 66 \ , \ x = \! 15 \ , \ y = \! 27 \ , \ v = \! 5610 \end{array}$$

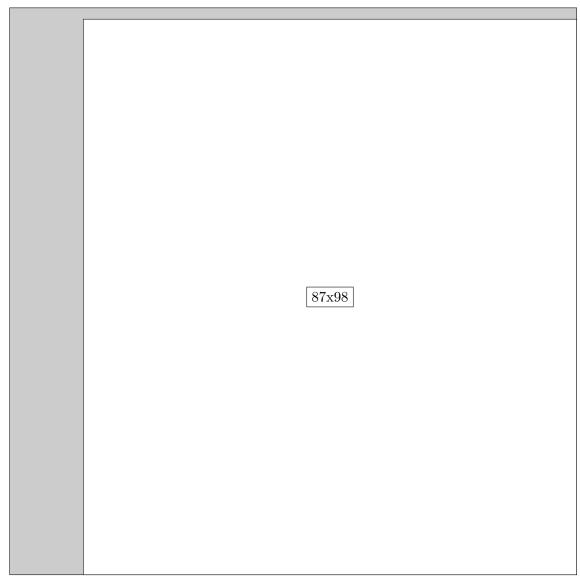
$$\le =13$$
 , h =61 , x =2 , y =27 , v =793



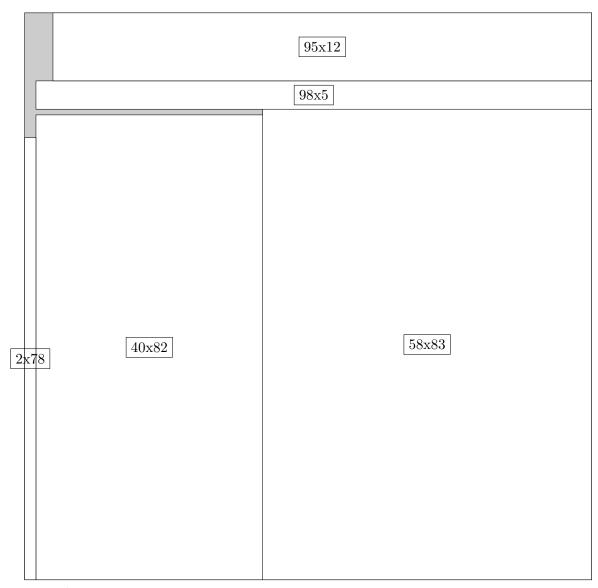
 $\begin{array}{l} w = \!\!\! 77 \ , \ h = \!\!\! 97 \ , \ x = \!\!\! 23 \ , \ y = \!\!\! 0 \ , \ v = \!\!\! 7469 \\ w = \!\!\! 1 \ , \ h = \!\!\! 90 \ , \ x = \!\!\! 22 \ , \ y = \!\!\! 0 \ , \ v = \!\!\! 90 \\ w = \!\!\! 20 \ , \ h = \!\!\! 88 \ , \ x = \!\!\! 2 \ , \ y = \!\!\! 0 \ , \ v = \!\!\! 1760 \end{array}$



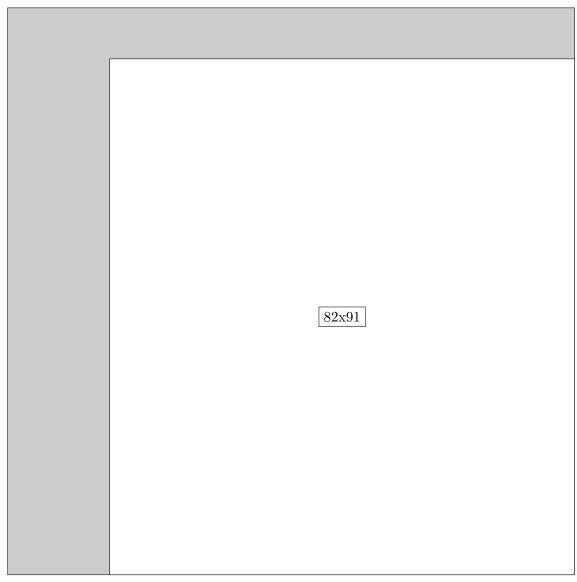
 $\begin{array}{l} w = 8 \ , \ h = \! 97 \ , \ x = \! 92 \ , \ y = \! 0 \ , \ v = \! 776 \\ w = \! 82 \ , \ h = \! 82 \ , \ x = \! 10 \ , \ y = \! 0 \ , \ v = \! 6724 \end{array}$



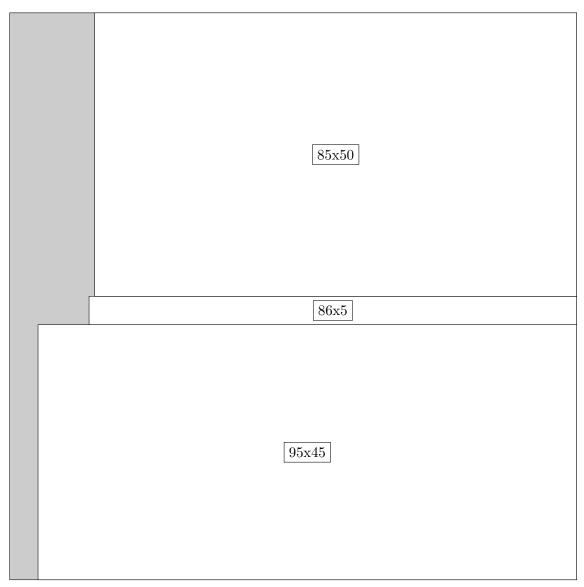
 $\le =87$, h =98 , x =13 , y =0 , v =8526



 $\begin{array}{l} w = 58 \; , \; h = 83 \; , \; x = 42 \; , \; y = 0 \; , \; v = 4814 \\ w = 40 \; , \; h = 82 \; , \; x = 2 \; , \; y = 0 \; , \; v = 3280 \\ w = 2 \; , \; h = 78 \; , \; x = 0 \; , \; y = 0 \; , \; v = 156 \\ w = 98 \; , \; h = 5 \; , \; x = 2 \; , \; y = 83 \; , \; v = 490 \\ w = 95 \; , \; h = 12 \; , \; x = 5 \; , \; y = 88 \; , \; v = 1140 \end{array}$



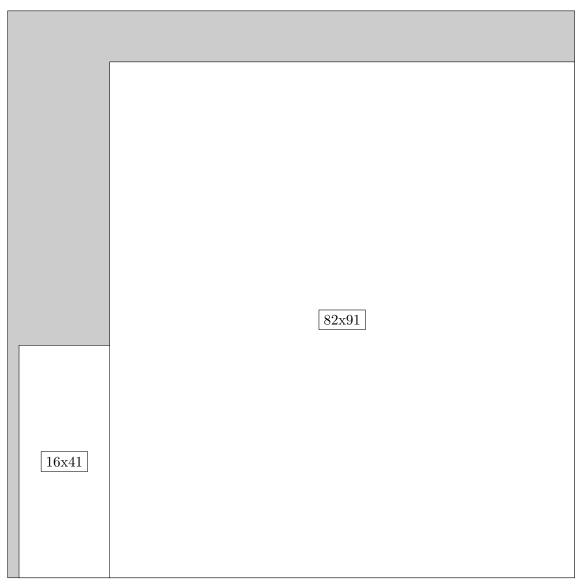
 $\le =82$, h =91 , x =18 , y =0 , v =7462



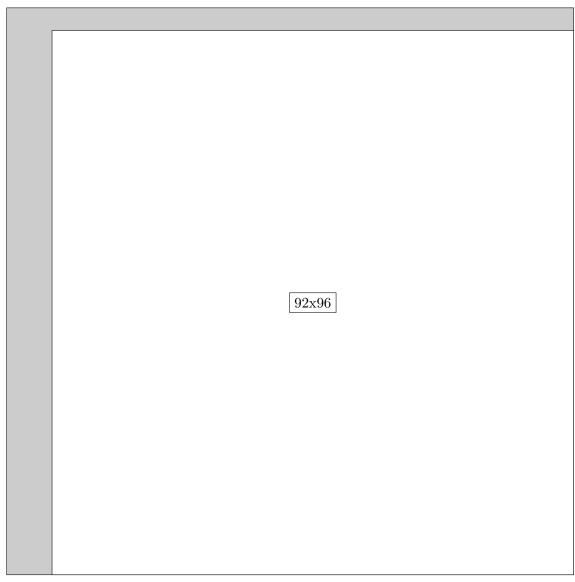
$$w$$
 =95 , h =45 , x =5 , y =0 , v =4275

$$w$$
 =86 , h =5 , x =14 , y =45 , v =430

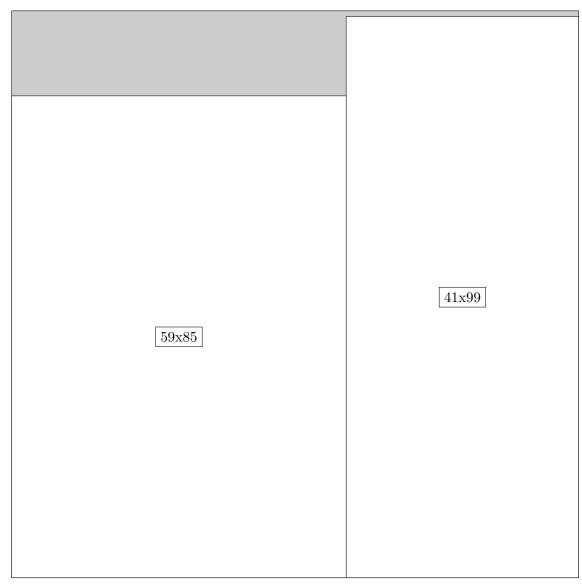
$$\le =85$$
 , h =50 , x =15 , y =50 , v =4250



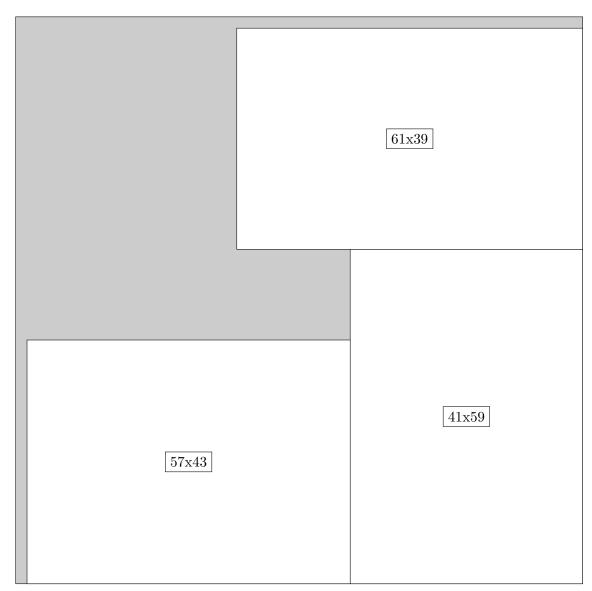
$$\begin{array}{l} w = \! 82 \ , \ h = \! 91 \ , \ x = \! 18 \ , \ y = \! 0 \ , \ v = \! 7462 \\ w = \! 16 \ , \ h = \! 41 \ , \ x = \! 2 \ , \ y = \! 0 \ , \ v = \! 656 \end{array}$$



 $\le =92$, h =96 , x =8 , y =0 , v =8832



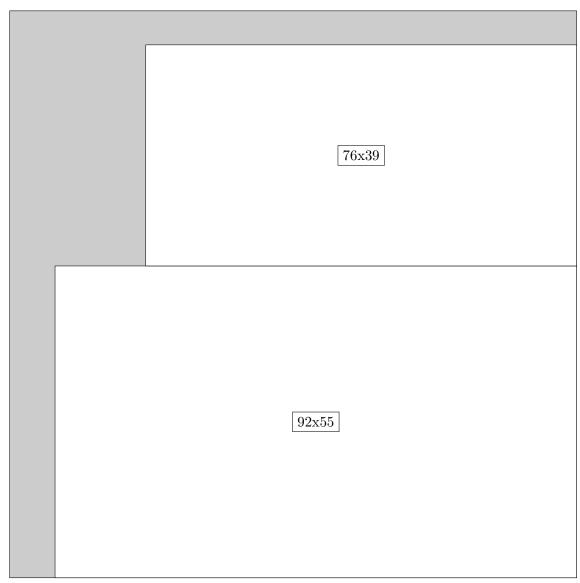
$$\begin{array}{l} w = \!\! 41 \ , \ h = \!\! 99 \ , \ x = \!\! 59 \ , \ y = \!\! 0 \ , \ v = \!\! 4059 \\ w = \!\! 59 \ , \ h = \!\! 85 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 5015 \end{array}$$



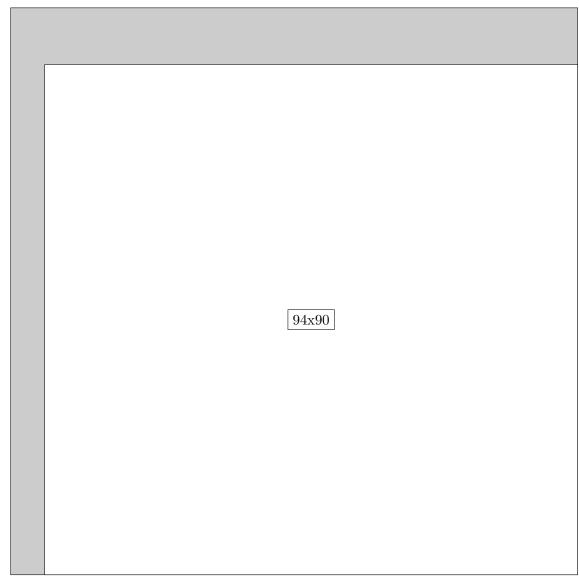
$$\mathbf{w}$$
 =41 , h =59 , x =59 , y =0 , v =2419

$$\le =57$$
 , h =43 , x =2 , y =0 , v =2451

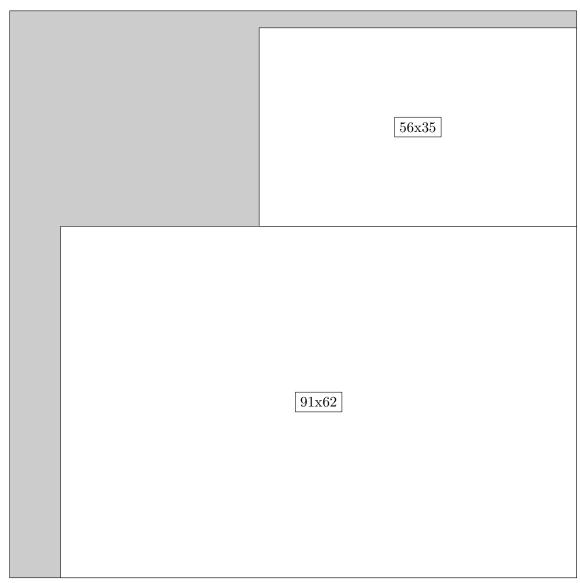
$$\le =61$$
 , h =39 , x =39 , y =59 , v =2379



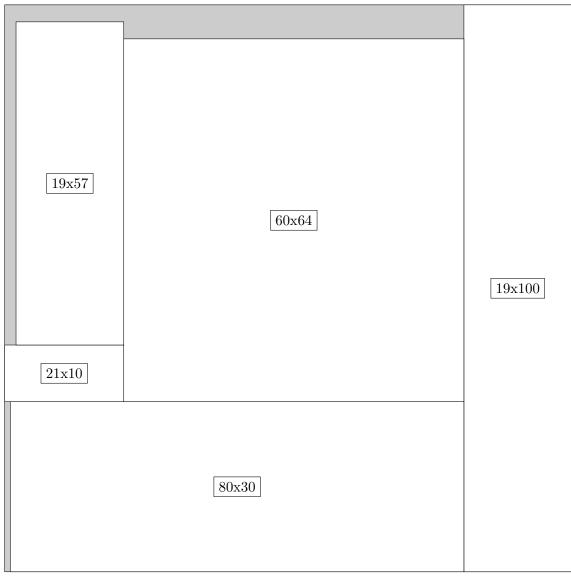
$$\begin{array}{l} w = 92 \; , \; h = \!\! 55 \; , \; x = \!\! 8 \; , \; y = \!\! 0 \; , \; v = \!\! 5060 \\ w = \!\! 76 \; , \; h = \!\! 39 \; , \; x = \!\! 24 \; , \; y = \!\! 55 \; , \; v = \!\! 2964 \end{array}$$



 $\le =94$, h =90 , x =6 , y =0 , v =8460



$$\begin{array}{l} w = \! 91 \; , \; h = \! 62 \; , \; x = \! 9 \; , \; y = \! 0 \; , \; v = \! 5642 \\ w = \! 56 \; , \; h = \! 35 \; , \; x = \! 44 \; , \; y = \! 62 \; , \; v = \! 1960 \\ \end{array}$$



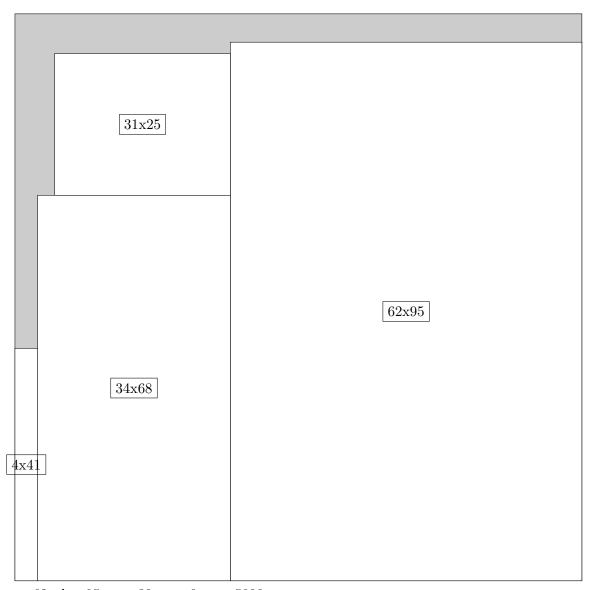
$$\mathbf{w}$$
 =19 , h =100 , x =81 , y =0 , v =1900

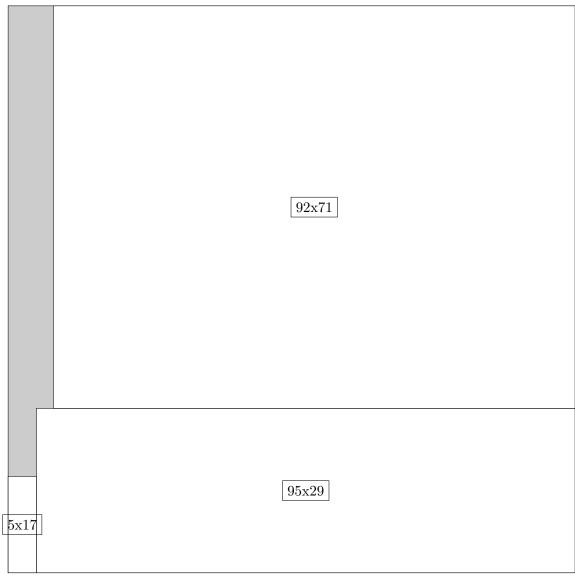
$$\le =80$$
 , h =30 , x =1 , y =0 , v =2400

$$\le =60$$
 , $h=64$, $x=21$, $y=30$, $v=3840$

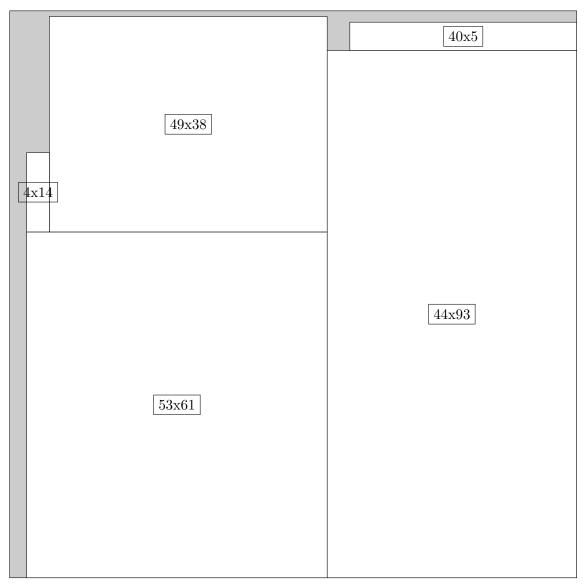
$$\le =21$$
 , $h=10$, $x=0$, $y=30$, $v=210$

$$w=\!19$$
 , $h=\!57$, $x=\!2$, $y=\!40$, $v=\!1083$





$$\begin{array}{l} w = \! 95 \ , \ h = \! 29 \ , \ x = \! 5 \ , \ y = \! 0 \ , \ v = \! 2755 \\ w = \! 5 \ , \ h = \! 17 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 85 \\ w = \! 92 \ , \ h = \! 71 \ , \ x = \! 8 \ , \ y = \! 29 \ , \ v = \! 6532 \end{array}$$



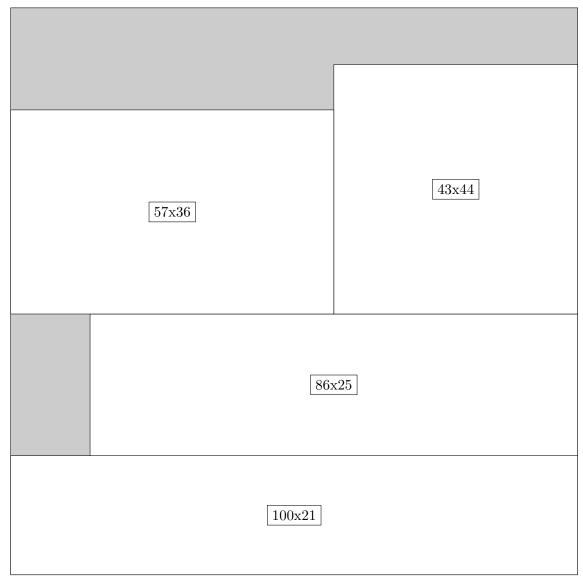
w = 44, h = 93, x = 56, y = 0, v = 4092

 $\le =40$, h =5 , x =60 , y =93 , v =200

 ≤ 53 , h =61 , x =3 , y =0 , v =3233

 $\le =49$, h =38 , x =7 , y =61 , v =1862

 \mathbf{w} =4 , h =14 , x =3 , y =61 , v =56

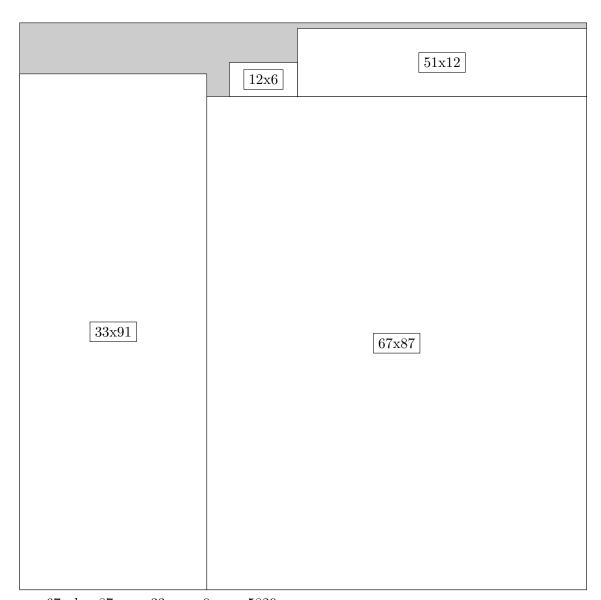


$$w = 100$$
 , $h = 21$, $x = 0$, $y = 0$, $v = 2100$

$$\le =86$$
 , h =25 , x =14 , y =21 , v =2150

$$\le =43$$
 , h =44 , x =57 , y =46 , v =1892

$$\le =57$$
 , h =36 , x =0 , y =46 , v =2052

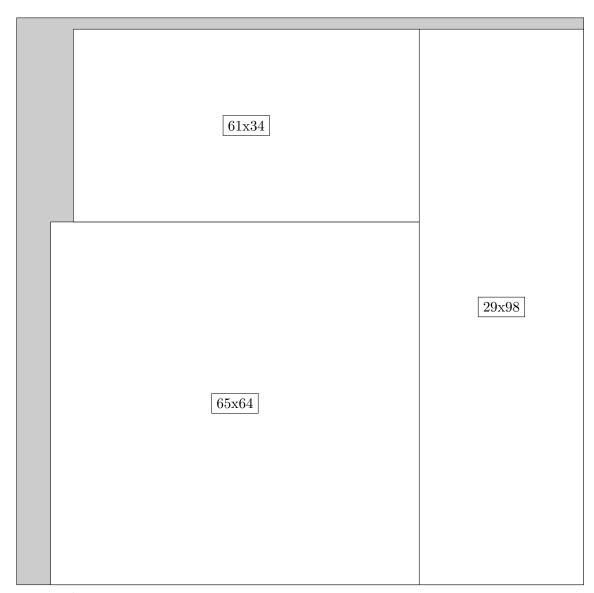


$$\le =67$$
 , h =87 , x =33 , y =0 , v =5829

$$\le =51$$
 , h =12 , x =49 , y =87 , v =612

$$\le =12$$
 , h =6 , x =37 , y =87 , v =72

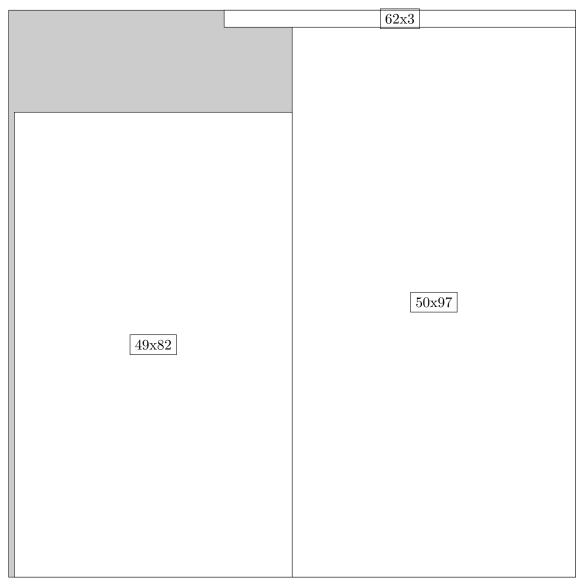
$$\le =33$$
 , $\ge =91$, $\ge =0$, $\ge =0$, $\ge =3003$



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

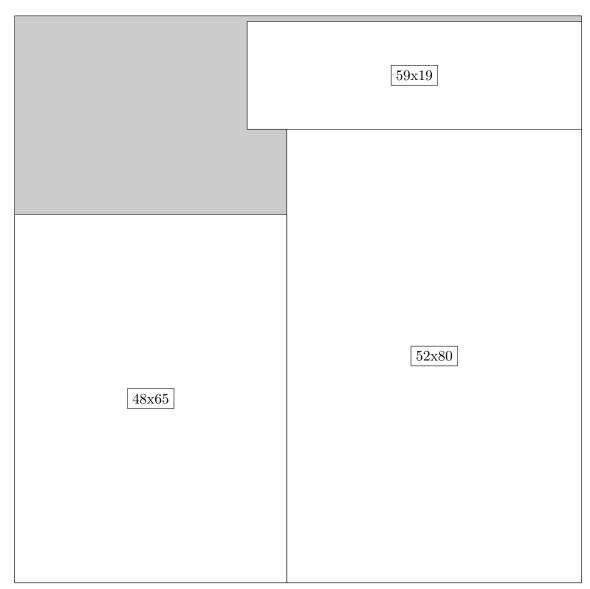
$$\le =65$$
 , $h=64$, $x=6$, $y=0$, $v=4160$

$$\le =61$$
 , h =34 , x =10 , y =64 , v =2074



$$\begin{array}{l} w = \! 50 \ , \ h = \! 97 \ , \ x = \! 50 \ , \ y = \! 0 \ , \ v = \! 4850 \\ w = \! 49 \ , \ h = \! 82 \ , \ x = \! 1 \ , \ y = \! 0 \ , \ v = \! 4018 \end{array}$$

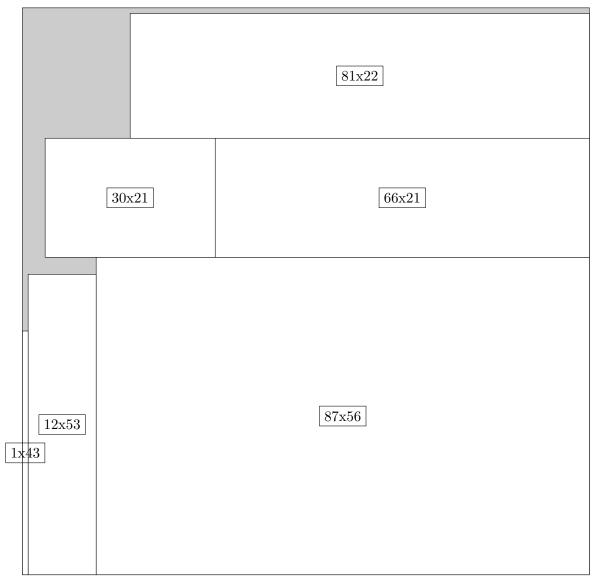
$$\le =62$$
 , h $=3$, x $=38$, y $=97$, v $=186$



$$w = 52$$
, $h = 80$, $x = 48$, $y = 0$, $v = 4160$

$$\le =48$$
 , $h=65$, $x=0$, $y=0$, $v=3120$

$$\le =59$$
 , h =19 , x =41 , y =80 , v =1121



$$\begin{array}{l} w = \! 87 \; , \; h = \! 56 \; , \; x = \! 13 \; , \; y = \! 0 \; , \; v = \! 4872 \\ w = \! 12 \; , \; h = \! 53 \; , \; x = \! 1 \; , \; y = \! 0 \; , \; v = \! 636 \\ \end{array}$$

$$\mathbf{w}$$
 =1 , h =43 , x =0 , y =0 , v =43

$$\le =66$$
 , h =21 , x =34 , y =
56 , v =1386

$$\le =30$$
 , $h=21$, $x=4$, $y=56$, $v=630$

$$\le =81$$
 , $h=22$, $x=19$, $y=77$, $v=1782$