$ClassName: \ Class\_08.2bp-44$ 

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

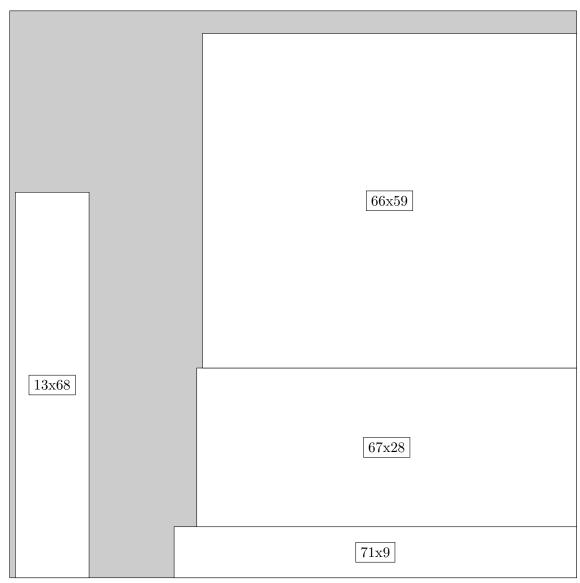
TypeNum: <u>100</u> Num: <u>100</u> OutS: <u>290000</u> InS: <u>240785</u> Rate: <u>0.830</u> UB: <u>29</u>

LB:  $\underline{29}$ LBWithCut:  $\underline{29}$ NodeCount:  $\underline{0}$ PrimalNode:  $\underline{0}$ ColumnCount:  $\underline{29}$ TotalCutCount:  $\underline{0}$ RootCutCount:  $\underline{0}$ LPSolverCnt:  $\underline{1}$ PricingSolverCnt:  $\underline{0}$ 

BranchAndBoundNum: 1

isOpt: **true** 

 $\begin{array}{ll} \text{TimeOnPrimal: } \underline{0.000 \text{ s}} \\ \text{TimeOnPricing: } \underline{0.000 \text{ s}} \\ \text{TimeOnRmp: } \underline{0.063 \text{ s}} \\ \text{TotalTime: } \underline{0.547 \text{ s}} \end{array}$ 

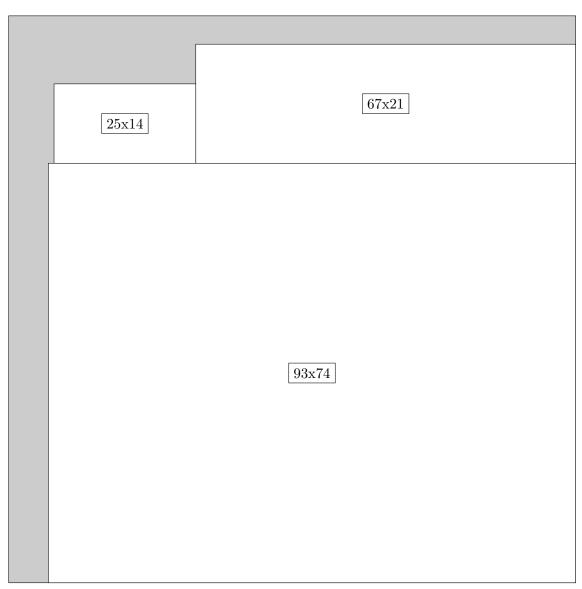


$$\le -71$$
 , h =9 , x =29 , y =0 , v =639

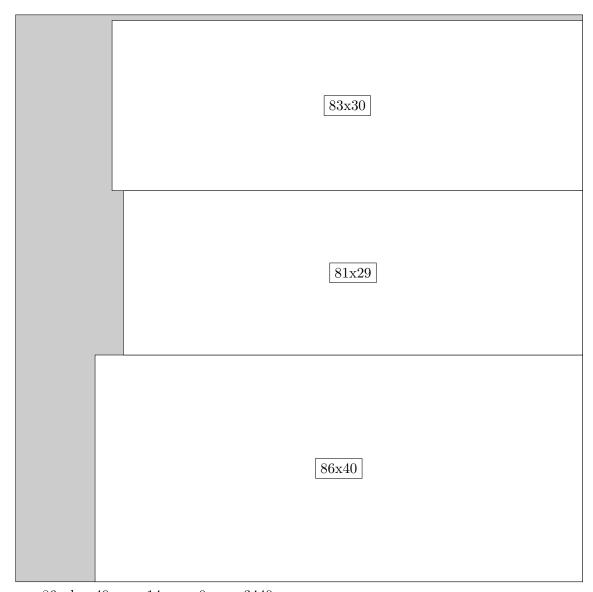
$$\le =67$$
 , h =28 , x =33 , y =9 , v =1876

$$\le =66$$
 , h =59 , x =34 , y =37 , v =3894

$$\mathbf{w}$$
 =13 , h =68 , x =1 , y =0 , v =884



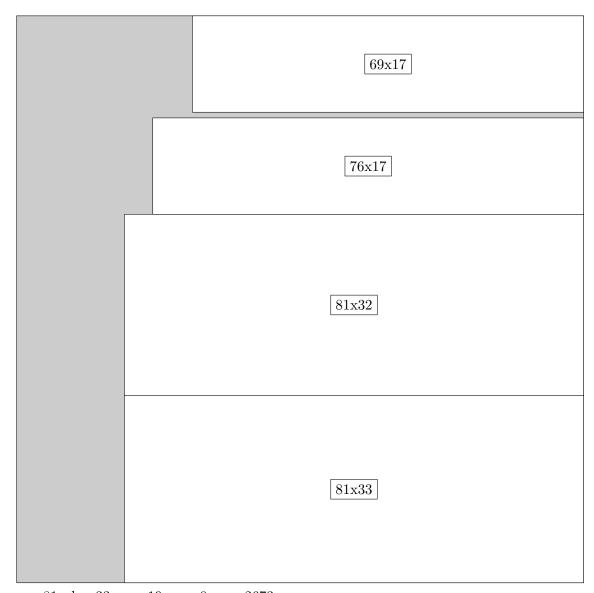
$$\begin{array}{l} w = \! 93 \ , \ h = \! 74 \ , \ x = \! 7 \ , \ y = \! 0 \ , \ v = \! 6882 \\ w = \! 67 \ , \ h = \! 21 \ , \ x = \! 33 \ , \ y = \! 74 \ , \ v = \! 1407 \\ w = \! 25 \ , \ h = \! 14 \ , \ x = \! 8 \ , \ y = \! 74 \ , \ v = \! 350 \end{array}$$



$$\le =86$$
 ,  $h=\!40$  ,  $x=\!14$  ,  $y=\!0$  ,  $v=\!3440$ 

$$\le =81$$
 , h =29 , x =19 , y =40 , v =2349

$$\le =83$$
 , h =30 , x =17 , y =69 , v =2490

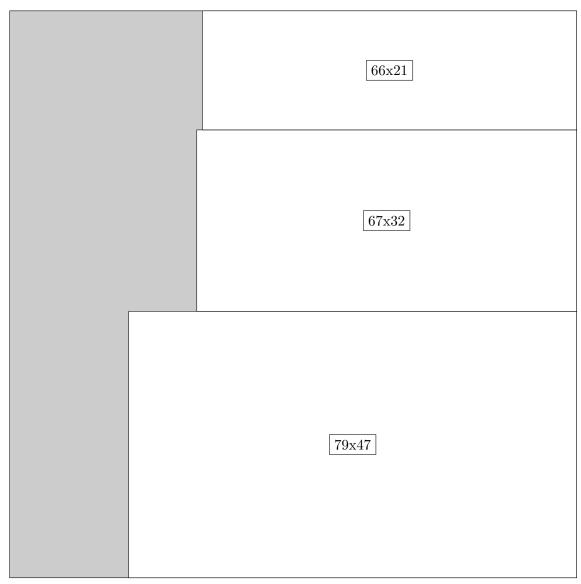


$$\le =81$$
 , h =33 , x =19 , y =0 , v =2673

$$\le =81$$
 , h =32 , x =19 , y =33 , v =2592

$$\le =76$$
 , h =17 , x =24 , y =65 , v =1292

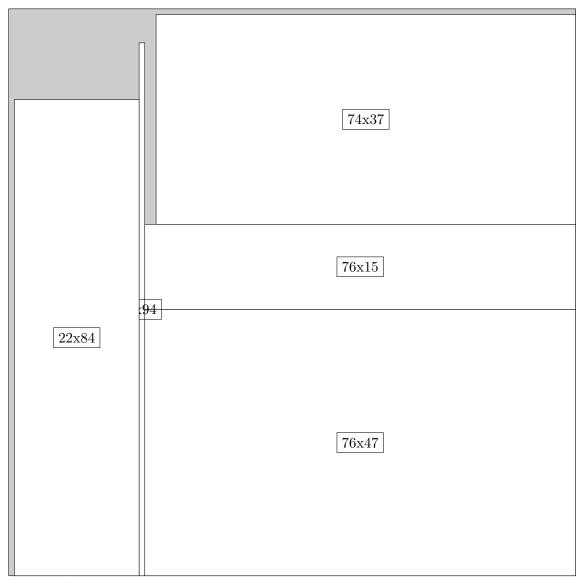
$$\le =69$$
 ,  $h=17$  ,  $x=31$  ,  $y=83$  ,  $v=1173$ 



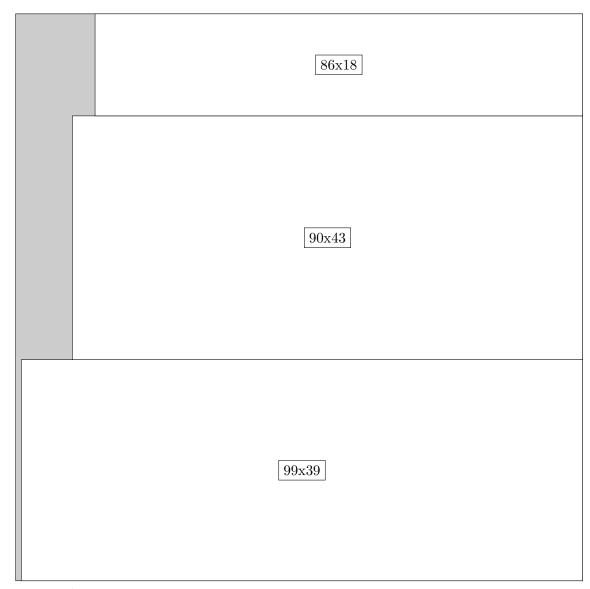
$$\le =79$$
 , h =47 , x =21 , y =0 , v =3713

$$w$$
 =67 ,  $h$  =32 ,  $x$  =33 ,  $y$  =47 ,  $v$  =2144

$$\le =66$$
 , h =21 , x =34 , y =79 , v =1386



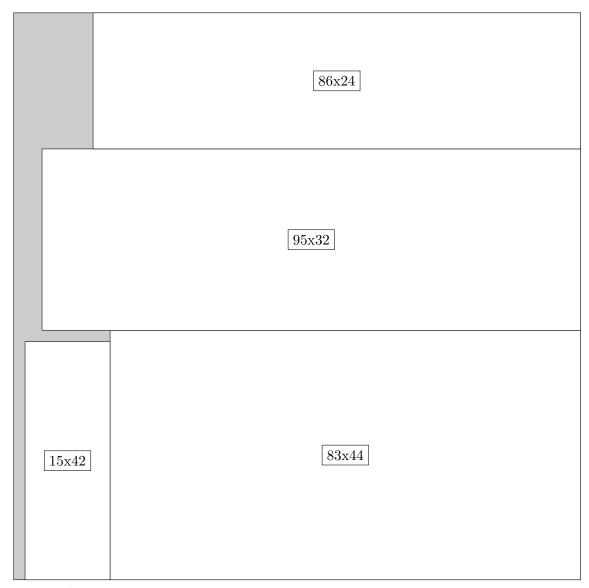
$$\begin{array}{l} w=76 \ , \ h=47 \ , \ x=24 \ , \ y=0 \ , \ v=3572 \\ w=76 \ , \ h=15 \ , \ x=24 \ , \ y=47 \ , \ v=1140 \\ w=74 \ , \ h=37 \ , \ x=26 \ , \ y=62 \ , \ v=2738 \\ w=1 \ , \ h=94 \ , \ x=23 \ , \ y=0 \ , \ v=94 \\ w=22 \ , \ h=84 \ , \ x=1 \ , \ y=0 \ , \ v=1848 \end{array}$$



$$\le =99$$
 , h =39 , x =1 , y =0 , v =3861

$$\le =90$$
 , h =43 , x =10 , y =39 , v =3870

$$\le =86$$
 , h =18 , x =14 , y =82 , v =1548

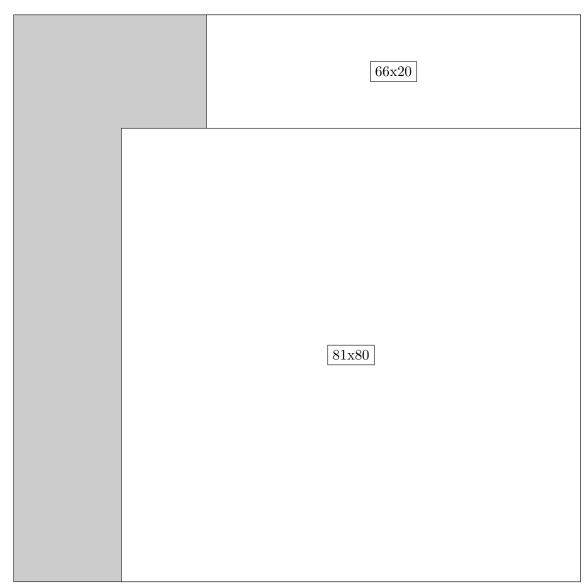


$$\le =83$$
 , h =44 , x =17 , y =0 , v =3652

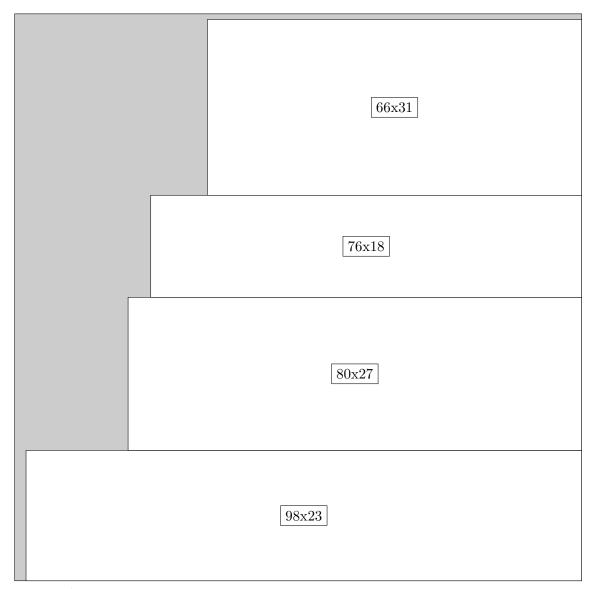
$$\le =15$$
 , h =42 , x =2 , y =0 , v =630

$$\le =95$$
 , h =32 , x =5 , y =44 , v =3040

$$\le =86$$
 , h =24 , x =14 , y =76 , v =2064



$$\begin{array}{l} w = \! 81 \ , \, h = \! 80 \ , \, x = \! 19 \ , \, y = \! 0 \ , \, v = \! 6480 \\ w = \! 66 \ , \, h = \! 20 \ , \, x = \! 34 \ , \, y = \! 80 \ , \, v = \! 1320 \end{array}$$

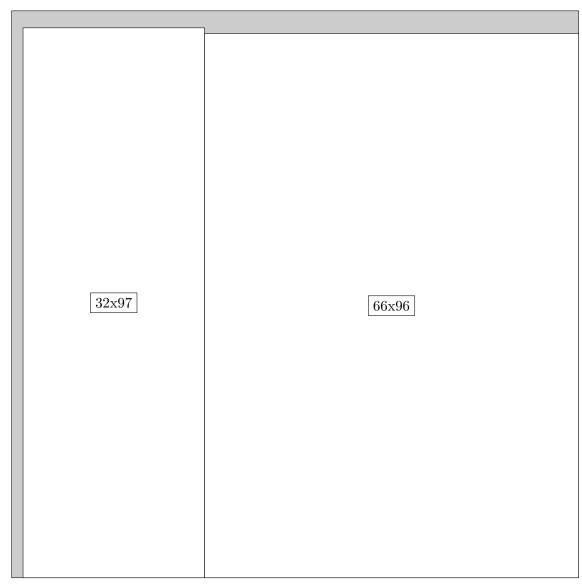


$$\le =98$$
 , h =23 , x =2 , y =0 , v =2254

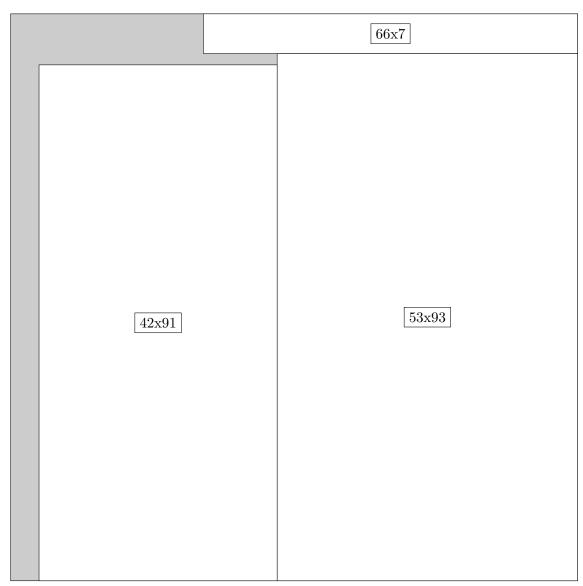
$$\le =80$$
 , h =27 , x =20 , y =23 , v =2160

$$\le =76$$
 , h =18 , x =24 , y =50 , v =1368

$$\le =66$$
 , h =31 , x =34 , y =68 , v =2046



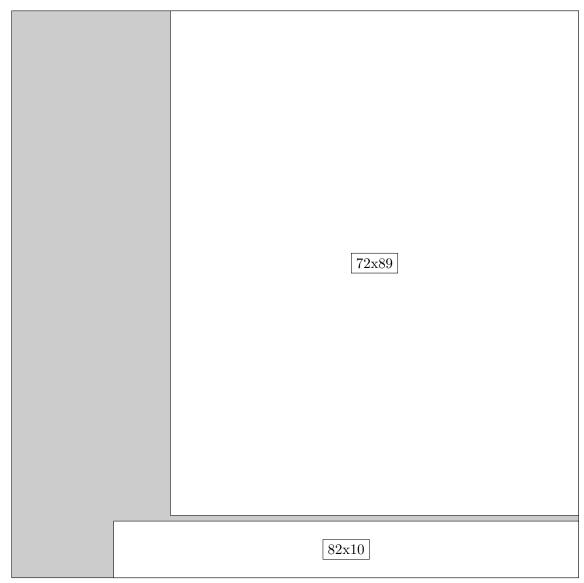
$$\begin{array}{c} w = \!\! 66 \ , \ h = \!\! 96 \ , \ x = \!\! 34 \ , \ y = \!\! 0 \ , \ v = \!\! 6336 \\ w = \!\! 32 \ , \ h = \!\! 97 \ , \ x = \!\! 2 \ , \ y = \!\! 0 \ , \ v = \!\! 3104 \\ \end{array}$$



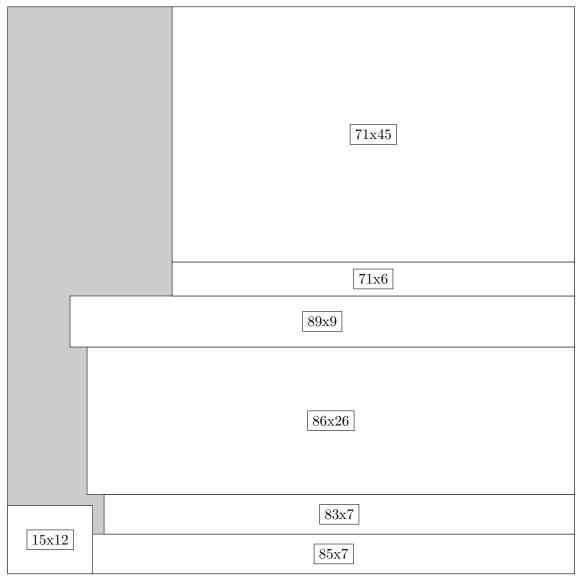
 $\le =53$  , h =93 , x =47 , y =0 , v =4929

 $\le =42$  , h =91 , x =5 , y =0 , v =3822

 $\mathbf{w}$  =66 , h =7 , x =34 , y =93 , v =462



$$\begin{array}{l} w = \! 82 \ , \, h = \! 10 \ , \, x = \! 18 \ , \, y = \! 0 \ , \, v = \! 820 \\ w = \! 72 \ , \, h = \! 89 \ , \, x = \! 28 \ , \, y = \! 11 \ , \, v = \! 6408 \end{array}$$



$$w = 85$$
,  $h = 7$ ,  $x = 15$ ,  $y = 0$ ,  $v = 595$ 

$$\le =83$$
 , h =7 , x =17 , y =7 , v =581

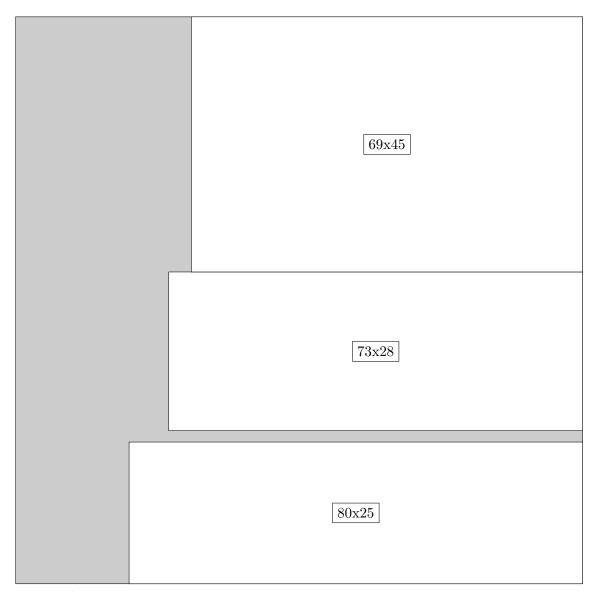
$$\le =15$$
 ,  $h=12$  ,  $x=0$  ,  $y=0$  ,  $v=180$ 

$$w = 86$$
,  $h = 26$ ,  $x = 14$ ,  $y = 14$ ,  $v = 2236$ 

$$\le =89$$
 , h =9 , x =11 , y =40 , v =801

$$w = 71$$
,  $h = 6$ ,  $x = 29$ ,  $y = 49$ ,  $v = 426$ 

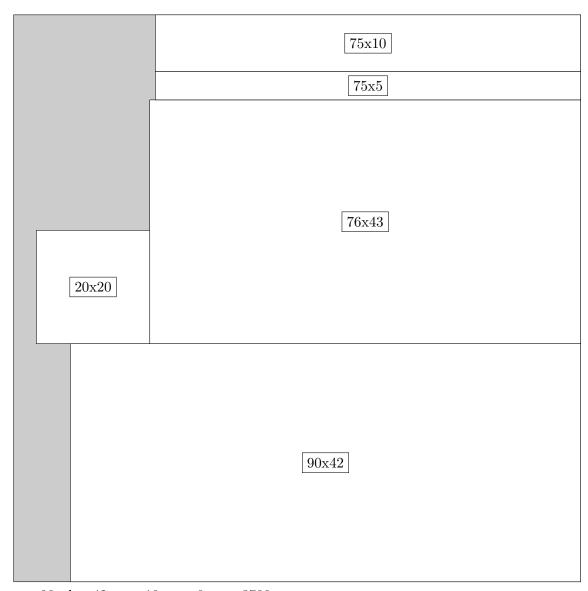
$$\le =71$$
 , h =45 , x =29 , y =55 , v =3195



$$\le =80$$
 ,  $h$  =25 ,  $x$  =20 ,  $y$  =0 ,  $v$  =2000

$$\le =73$$
 , h =28 , x =27 , y =27 , v =2044

$$\le =69$$
 , h =45 , x =31 , y =55 , v =3105



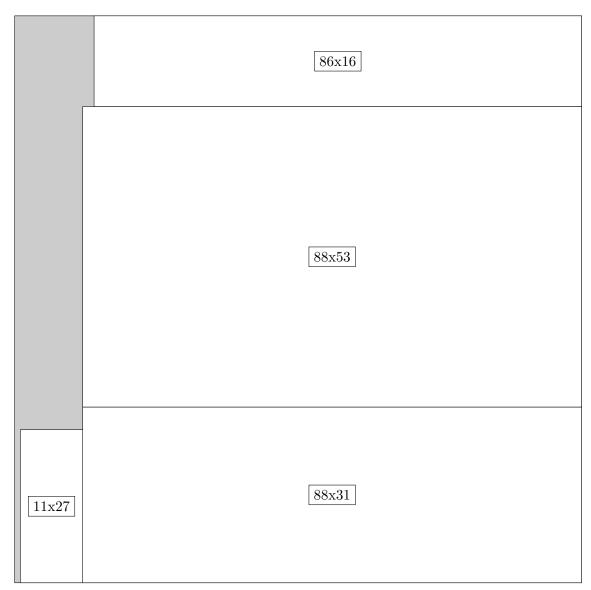
$$\le =90$$
 , h =42 , x =10 , y =0 , v =3780

$$w = 76$$
,  $h = 43$ ,  $x = 24$ ,  $y = 42$ ,  $v = 3268$ 

$$w$$
 =75 ,  $h$  =5 ,  $x$  =25 ,  $y$  =85 ,  $v$  =375

$$\le =20$$
 , h =20 , x =4 , y =42 , v =400

$$\le =75$$
 , h =10 , x =25 , y =90 , v =750

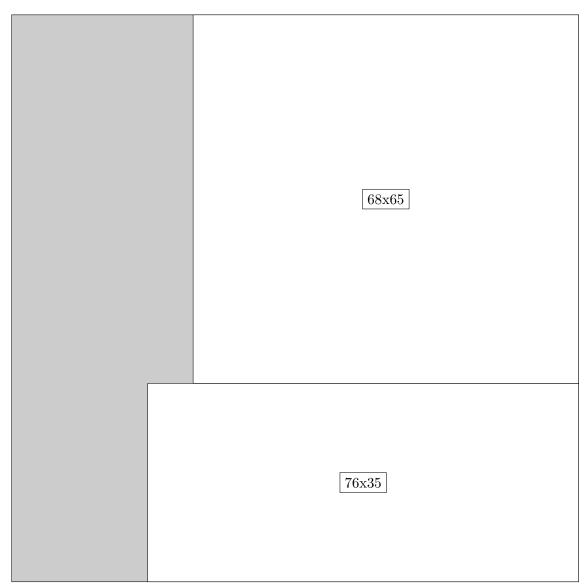


$$w = 88$$
,  $h = 31$ ,  $x = 12$ ,  $y = 0$ ,  $v = 2728$ 

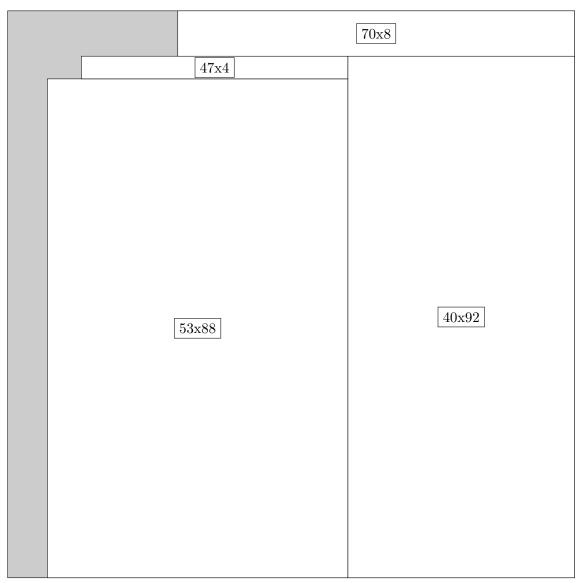
$$w$$
 =11 ,  $h$  =27 ,  $x$  =1 ,  $y$  =0 ,  $v$  =297

$$\le =88$$
 , h =53 , x =12 , y =31 , v =4664

$$\le =86$$
 ,  $h=16$  ,  $x=14$  ,  $y=84$  ,  $v=1376$ 



$$\begin{array}{l} w = \! 76 \ , \, h = \! 35 \ , \, x = \! 24 \ , \, y = \! 0 \ , \, v = \! 2660 \\ w = \! 68 \ , \, h = \! 65 \ , \, x = \! 32 \ , \, y = \! 35 \ , \, v = \! 4420 \end{array}$$



$$\le =40$$
 ,  $h=92$  ,  $x=60$  ,  $y=0$  ,  $v=3680$ 

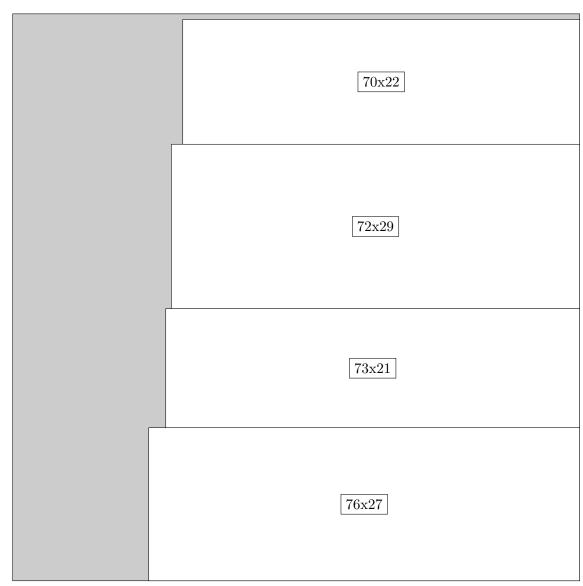
$$\le =53$$
 , h =88 , x =7 , y =0 , v =4664

$$\le =47$$
 , h =4 , x =13 , y =88 , v =188

$$w$$
 =70 , h =8 , x =30 , y =92 , v =560



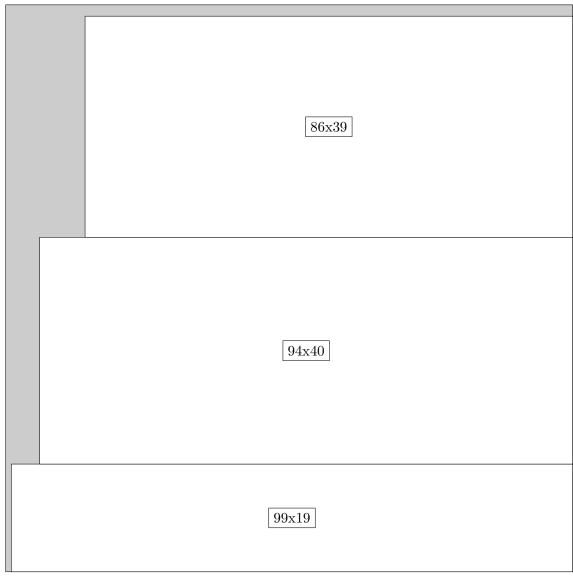
$$\begin{array}{l} w = 74 \ , \ h = \! 50 \ , \ x = \! 26 \ , \ y = \! 0 \ , \ v = \! 3700 \\ w = \! 74 \ , \ h = \! 48 \ , \ x = \! 26 \ , \ y = \! 50 \ , \ v = \! 3552 \end{array}$$



$$\mathbf{w}$$
 =76 , h =27 , x =24 , y =0 , v =2052

$$\le =73$$
 , h =21 , x =27 , y =27 , v =1533

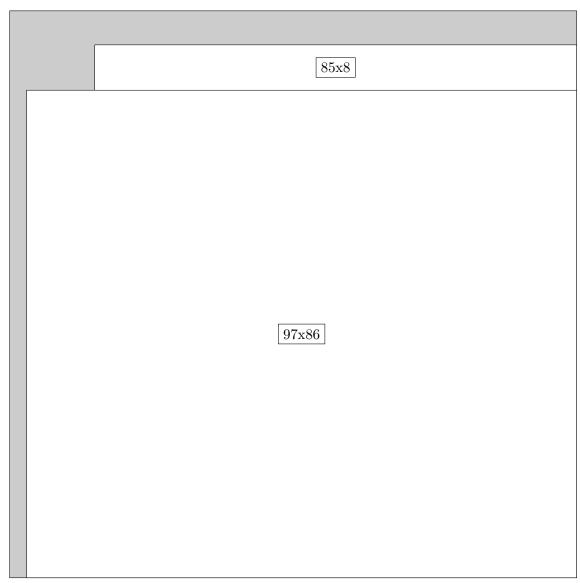
$$w$$
 =70 , h =22 , x =30 , y =77 , v =1540



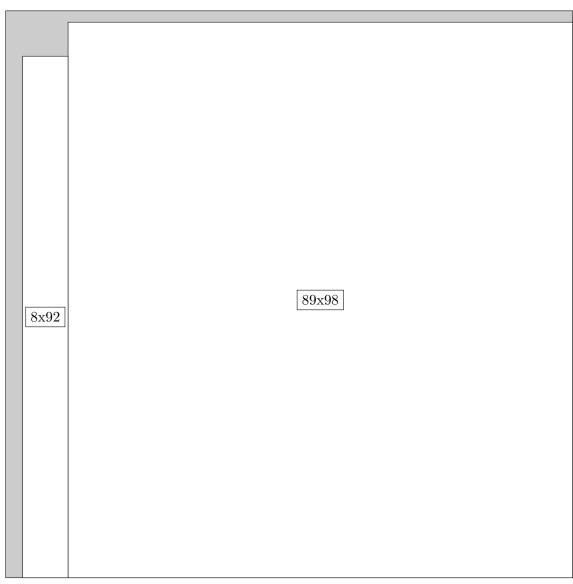
$$\le =99$$
 , h =19 , x =1 , y =0 , v =1881

$$\le =94$$
 , h =40 , x =6 , y =19 , v =3760

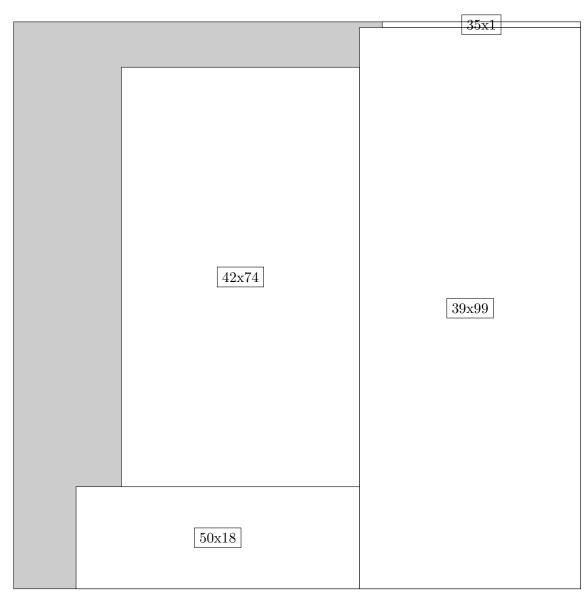
$$\le =86$$
 , h =39 , x =14 , y =59 , v =3354



$$\begin{array}{l} w = \! 97 \ , \ h = \! 86 \ , \ x = \! 3 \ , \ y = \! 0 \ , \ v = \! 8342 \\ w = \! 85 \ , \ h = \! 8 \ , \ x = \! 15 \ , \ y = \! 86 \ , \ v = \! 680 \end{array}$$



 $\begin{array}{l} w = \! 89 \; , \; h = \! 98 \; , \; x = \! 11 \; , \; y = \! 0 \; , \; v = \! 8722 \\ w = \! 8 \; , \; h = \! 92 \; , \; x = \! 3 \; , \; y = \! 0 \; , \; v = \! 736 \end{array}$ 

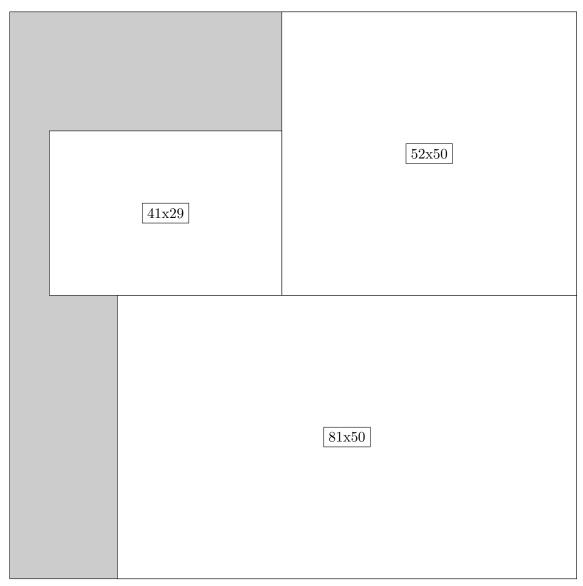


$$\le =39$$
 , h =99 , x =61 , y =0 , v =3861

$$\le =35$$
 , h =1 , x =65 , y =99 , v =35

$$\le =50$$
 , h =18 , x =11 , y =0 , v =900

$$\mathbf{w}$$
 =42 , h =74 , x =19 , y =18 , v =3108



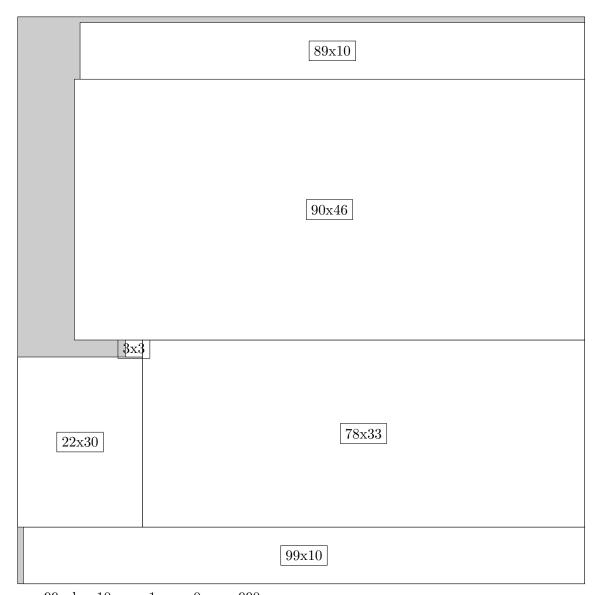
$$w = 81$$
,  $h = 50$ ,  $x = 19$ ,  $y = 0$ ,  $v = 4050$ 

$$\le =52$$
 , h =50 , x =48 , y =50 , v =2600

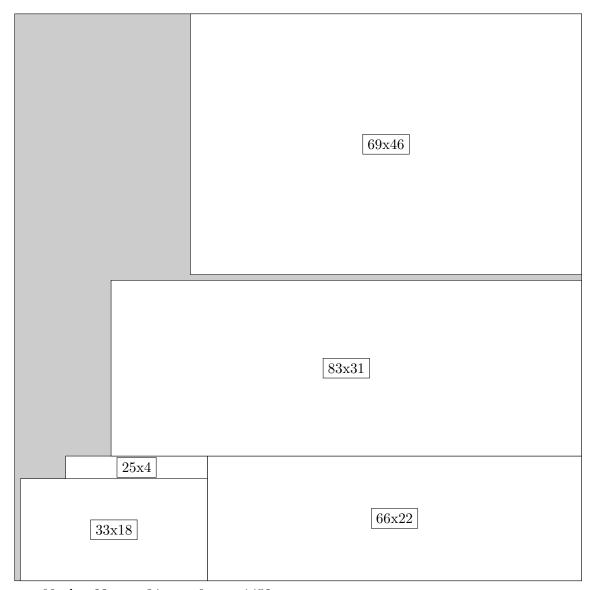
$$\le =41$$
 , h =29 , x =7 , y =50 , v =1189



$$\begin{array}{l} w = \! 86 \; , \; h = \! 57 \; , \; x = \! 14 \; , \; y = \! 0 \; , \; v = \! 4902 \\ w = \! 81 \; , \; h = \! 41 \; , \; x = \! 19 \; , \; y = \! 57 \; , \; v = \! 3321 \end{array}$$



$$\begin{array}{l} w = 99 \; , \; h = 10 \; , \; x = 1 \; , \; y = 0 \; , \; v = 990 \\ w = 78 \; , \; h = 33 \; , \; x = 22 \; , \; y = 10 \; , \; v = 2574 \\ w = 22 \; , \; h = 30 \; , \; x = 0 \; , \; y = 10 \; , \; v = 660 \\ w = 3 \; , \; h = 3 \; , \; x = 19 \; , \; y = 40 \; , \; v = 9 \\ w = 90 \; , \; h = 46 \; , \; x = 10 \; , \; y = 43 \; , \; v = 4140 \\ w = 89 \; , \; h = 10 \; , \; x = 11 \; , \; y = 89 \; , \; v = 890 \end{array}$$



$$\le =66$$
 , h =22 , x =34 , y =0 , v =1452

$$\le =33$$
 , h =18 , x =1 , y =0 , v =594

$$\le =25$$
 , h =4 , x =9 , y =18 , v =100

$$\le =83$$
 , h =31 , x =17 , y =22 , v =2573

$$\le =69$$
 , h =46 , x =31 , y =54 , v =3174