${\bf ClassName:}\ {\bf Class\_08.2bp\text{-}38}$ 

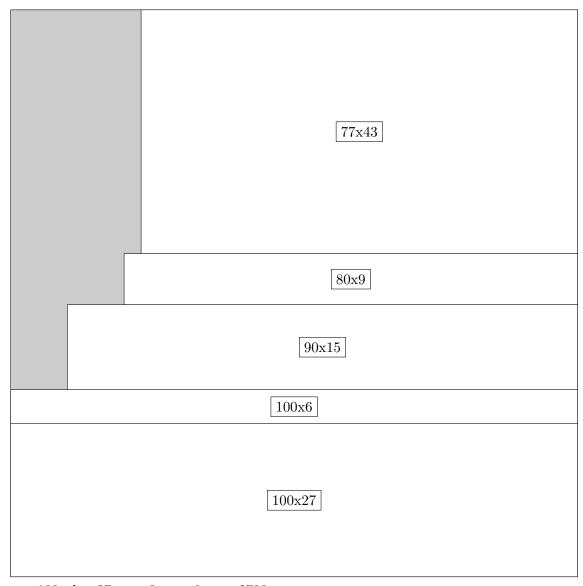
BinSize:  $\underline{100 \times 100}$ ReduceSize:  $\underline{100 \times 100}$ 

TypeNum: <u>80</u> Num: <u>80</u> OutS: <u>210000</u> InS: <u>188362</u> Rate: <u>0.897</u> UB: <u>21</u> LB: <u>21</u>

LBWithCut:  $\underline{\mathbf{21}}$ NodeCount:  $\underline{\mathbf{0}}$ PrimalNode:  $\underline{\mathbf{0}}$ ColumnCount:  $\underline{\mathbf{21}}$ TotalCutCount:  $\underline{\mathbf{0}}$ RootCutCount:  $\underline{\mathbf{0}}$ LPSolverCnt:  $\underline{\mathbf{1}}$ PricingSolverCnt:  $\underline{\mathbf{0}}$ BranchAndBoundNum:  $\underline{\mathbf{1}}$ 

isOpt: **true** 

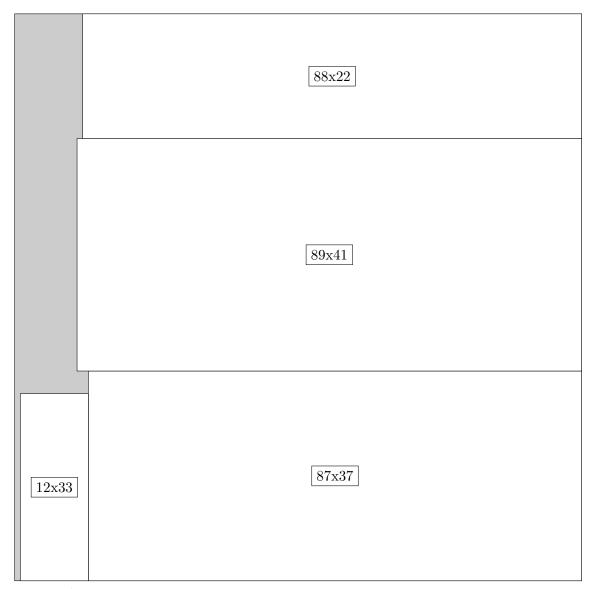
 $\begin{array}{ll} \mbox{TimeOnPrimal: } \underline{0.000 \ s} \\ \mbox{TimeOnPricing: } \underline{0.000 \ s} \\ \mbox{TimeOnRmp: } \underline{0.063 \ s} \\ \mbox{TotalTime: } \underline{0.234 \ s} \end{array}$ 



$$\begin{array}{l} w = \! 100 \ , \ h = \! 27 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 2700 \\ w = \! 100 \ , \ h = \! 6 \ , \ x = \! 0 \ , \ y = \! 27 \ , \ v = \! 600 \end{array}$$

$$\le =90$$
 , h =15 , x =10 , y =33 , v =1350

$$w = 80$$
,  $h = 9$ ,  $x = 20$ ,  $y = 48$ ,  $v = 720$ 

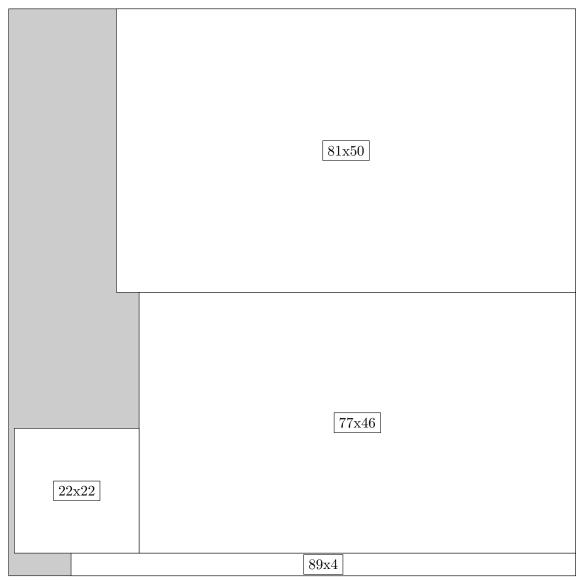


$$\le =87$$
 , h =37 , x =13 , y =0 , v =3219

$$\le =12$$
 , h =33 , x =1 , y =0 , v =396

$$\le =89$$
 , h =41 , x =11 , y =37 , v =3649

$$\le =88$$
 , h =22 , x =12 , y =78 , v =1936

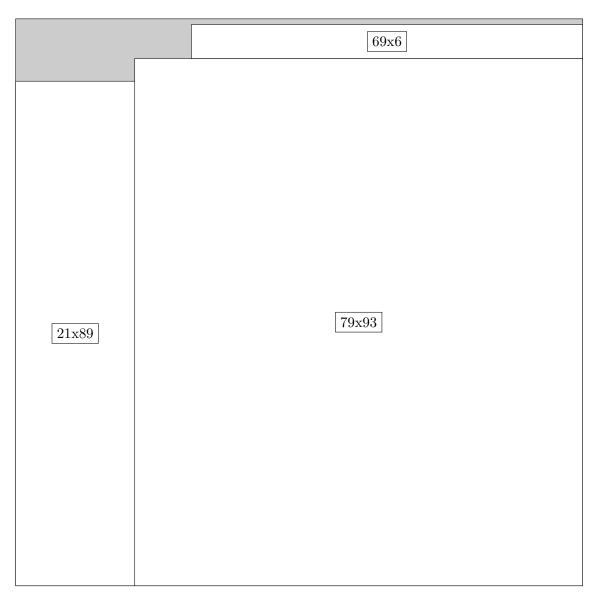


$$\le =89$$
 , h =4 , x =11 , y =0 , v =356

$$\le =77$$
 , h =46 , x =23 , y =4 , v =3542

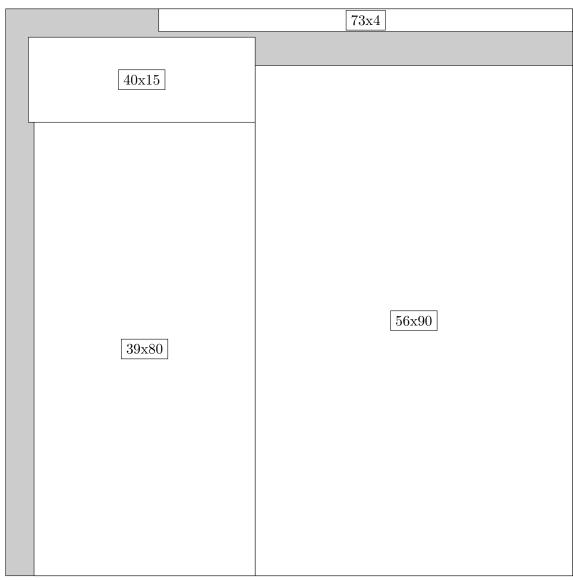
$$\le =22$$
 , h =22 , x =1 , y =4 , v =484

$$\le =81$$
 ,  $h$  =50 ,  $x$  =19 ,  $y$  =50 ,  $v$  =4050



$$\begin{array}{l} w = 79 \ , \ h = 93 \ , \ x = 21 \ , \ y = 0 \ , \ v = 7347 \\ w = 69 \ , \ h = 6 \ , \ x = 31 \ , \ y = 93 \ , \ v = 414 \end{array}$$

$$\le =21$$
 , h =89 , x =0 , y =0 , v =1869

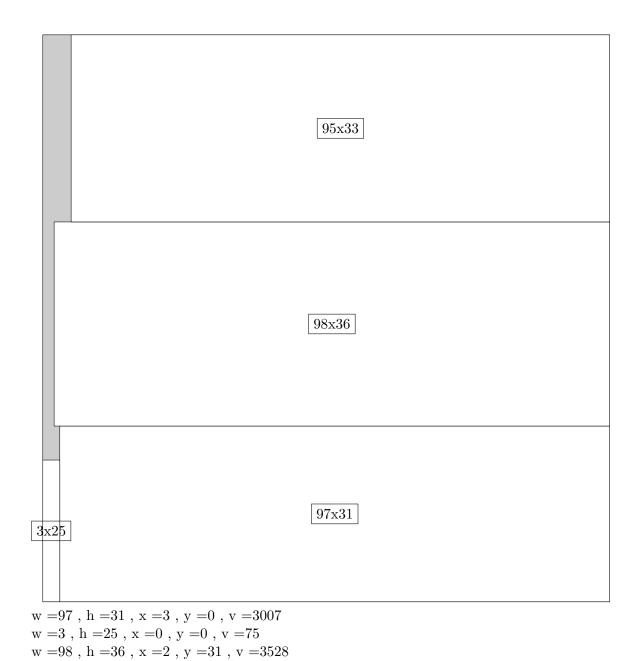


 $\le =56$  , h =90 , x =44 , y =0 , v =5040

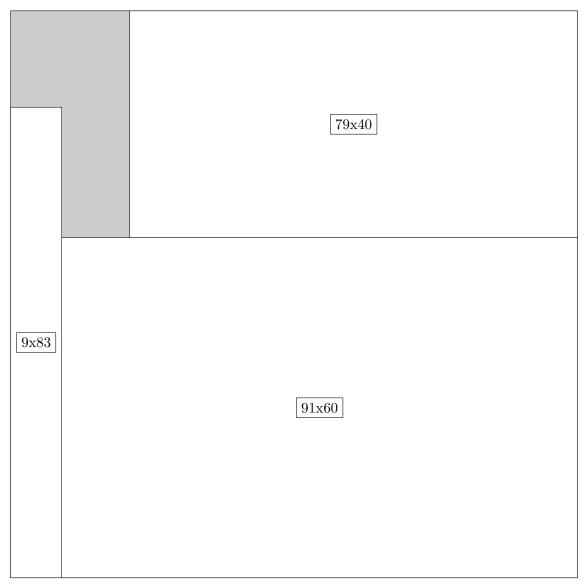
 $\le =39$  , h =80 , x =5 , y =0 , v =3120

 $\le =40$  , h =15 , x =4 , y =80 , v =600

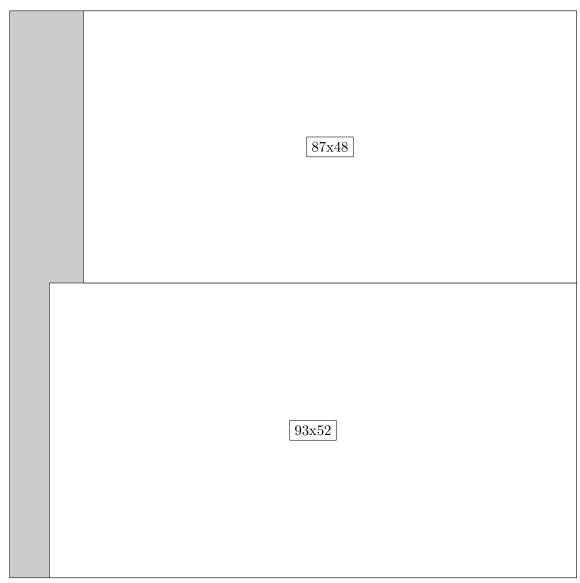
w =73 , h =4 , x =27 , y =96 , v =292



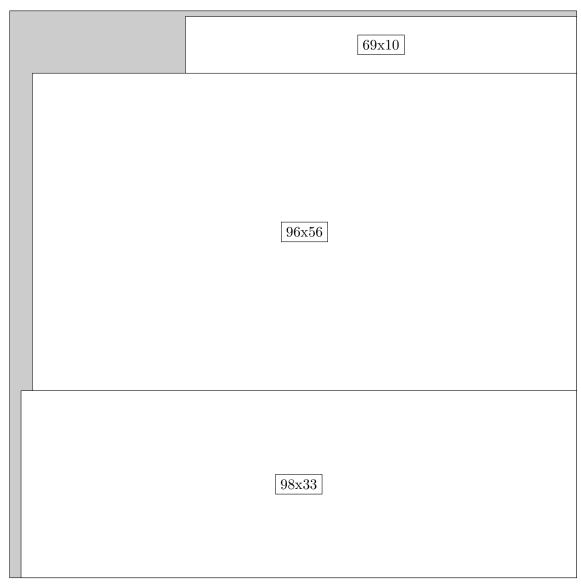
 $\le =95$  , h =33 , x =5 , y =67 , v =3135



$$\begin{array}{l} w = \! 91 \ , \ h = \! 60 \ , \ x = \! 9 \ , \ y = \! 0 \ , \ v = \! 5460 \\ w = \! 79 \ , \ h = \! 40 \ , \ x = \! 21 \ , \ y = \! 60 \ , \ v = \! 3160 \\ w = \! 9 \ , \ h = \! 83 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 747 \end{array}$$

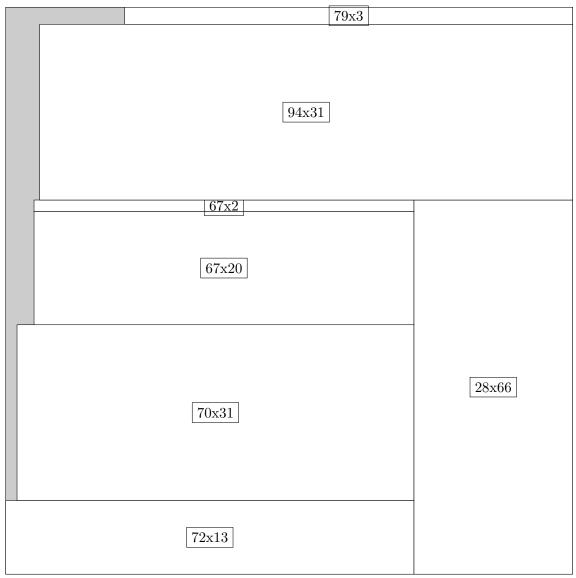


$$\begin{array}{l} w = 93 \; , \; h = \!\! 52 \; , \; x = \!\! 7 \; , \; y = \!\! 0 \; , \; v = \!\! 4836 \\ w = \!\! 87 \; , \; h = \!\! 48 \; , \; x = \!\! 13 \; , \; y = \!\! 52 \; , \; v = \!\! 4176 \end{array}$$



$$\begin{array}{l} w = \! 98 \ , \ h = \! 33 \ , \ x = \! 2 \ , \ y = \! 0 \ , \ v = \! 3234 \\ w = \! 96 \ , \ h = \! 56 \ , \ x = \! 4 \ , \ y = \! 33 \ , \ v = \! 5376 \end{array}$$

$$\le =69$$
 ,  $h = 10$  ,  $x = 31$  ,  $y = 89$  ,  $v = 690$ 



$$\le =28$$
 ,  $h$  =66 ,  $x$  =72 ,  $y$  =0 ,  $v$  =1848

$$\mathbf{w}$$
 =72 , h =13 , x =0 , y =0 , v =936

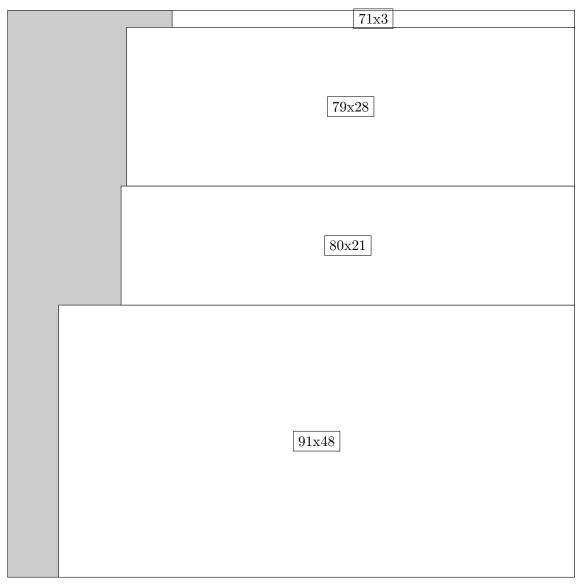
$$w$$
 =70 , h =31 , x =2 , y =13 , v =2170

$$w = 67$$
,  $h = 20$ ,  $x = 5$ ,  $y = 44$ ,  $v = 1340$ 

$$w$$
 =67 ,  $h$  =2 ,  $x$  =5 ,  $y$  =64 ,  $v$  =134

$$w = 94$$
,  $h = 31$ ,  $x = 6$ ,  $y = 66$ ,  $v = 2914$ 

$$\le =79$$
 , h =3 , x =21 , y =97 , v =237

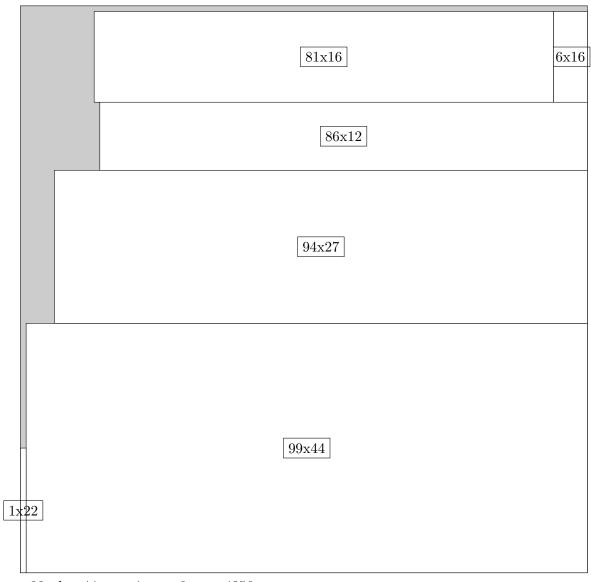


$$\le =91$$
 , h =48 , x =9 , y =0 , v =4368

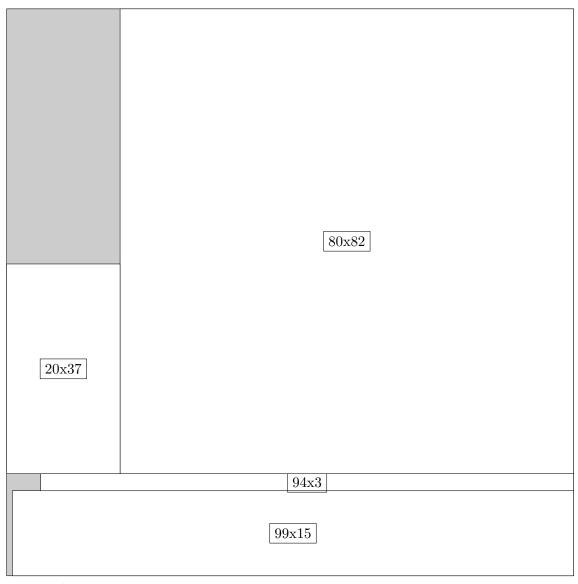
$$\le =80$$
 , h =21 , x =20 , y =48 , v =1680

$$\le =79$$
 , h =28 , x =21 , y =69 , v =2212

$$\le =71$$
 , h =3 , x =29 , y =97 , v =213



$$\begin{array}{l} w=99\;,\; h=44\;,\; x=1\;,\; y=0\;,\; v=4356\\ w=1\;,\; h=22\;,\; x=0\;,\; y=0\;,\; v=22\\ w=94\;,\; h=27\;,\; x=6\;,\; y=44\;,\; v=2538\\ w=86\;,\; h=12\;,\; x=14\;,\; y=71\;,\; v=1032\\ w=6\;,\; h=16\;,\; x=94\;,\; y=83\;,\; v=96\\ w=81\;,\; h=16\;,\; x=13\;,\; y=83\;,\; v=1296\\ \end{array}$$

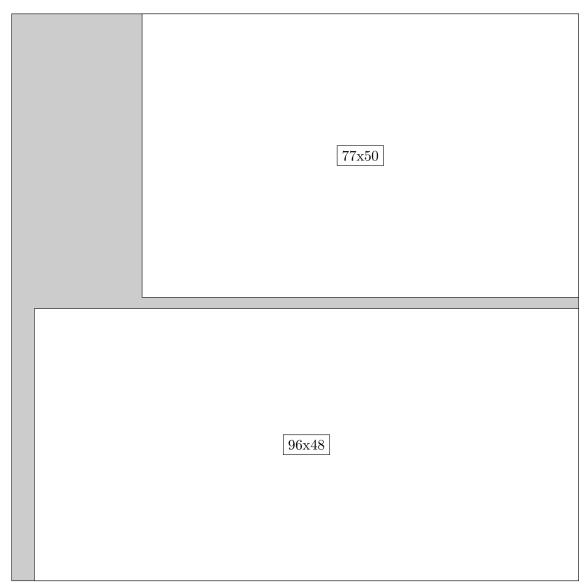


$$\le =99$$
 , h =15 , x =1 , y =0 , v =1485

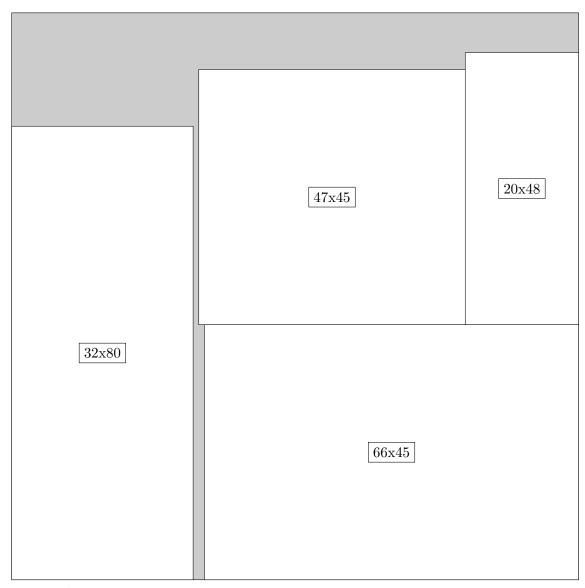
$$\le =94$$
 , h =3 , x =6 , y =15 , v =282

$$\le =80$$
 , h =82 , x =20 , y =18 , v =6560

$$\mathbf{w}$$
 =20 , h =37 , x =0 , y =18 , v =740



$$\begin{array}{c} w = \! 96 \; , \; h = \! 48 \; , \; x = \! 4 \; , \; y = \! 0 \; , \; v = \! 4608 \\ w = \! 77 \; , \; h = \! 50 \; , \; x = \! 23 \; , \; y = \! 50 \; , \; v = \! 3850 \\ \end{array}$$

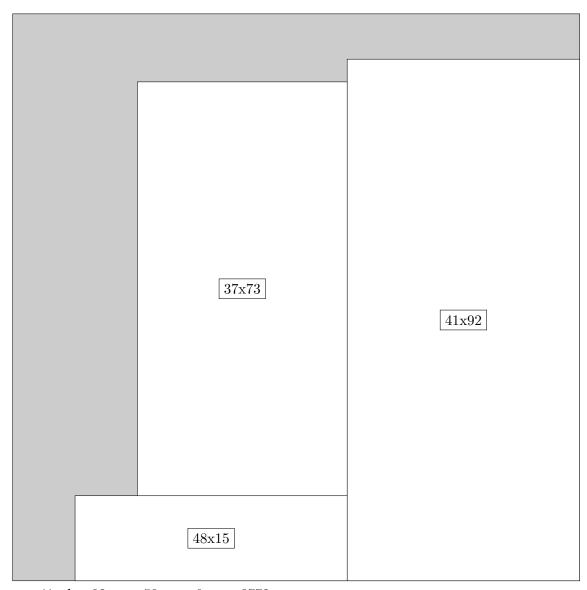


$$\le =66$$
 ,  $h=45$  ,  $x=34$  ,  $y=0$  ,  $v=2970$ 

$$\le =20$$
 , h =48 , x =80 , y =45 , v =960

$$\le =47$$
 , h =45 , x =33 , y =45 , v =2115

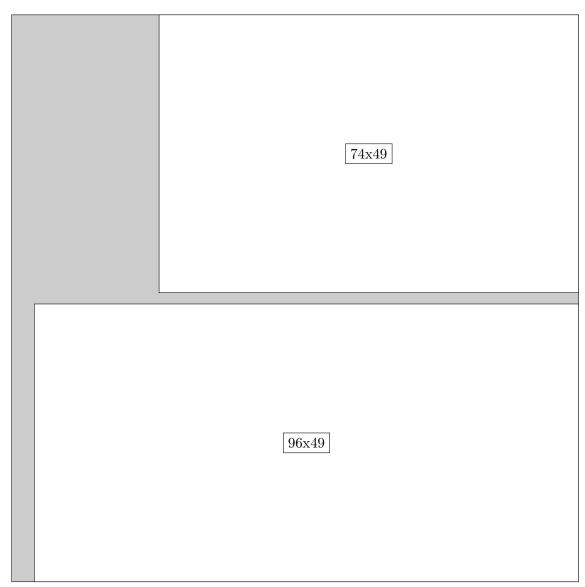
$$\le =32$$
 , h =80 , x =0 , y =0 , v =2560



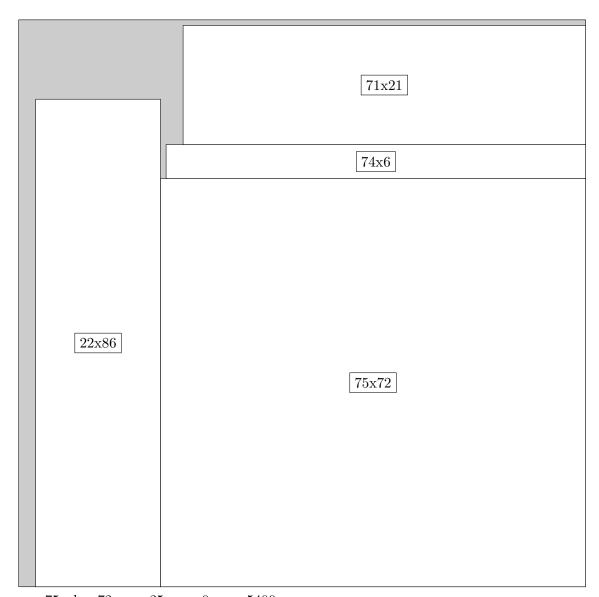
$$\le =41$$
 , h =92 , x =59 , y =0 , v =3772

$$\le 48$$
 ,  $h$  =15 ,  $x$  =11 ,  $y$  =0 ,  $v$  =720

$$\le =37$$
 , h =73 , x =22 , y =15 , v =2701



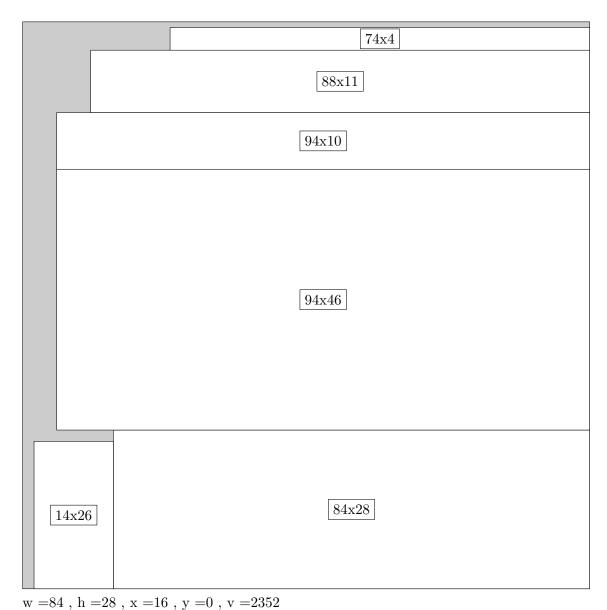
$$\begin{array}{l} w = \! 96 \; , \; h = \! 49 \; , \; x = \! 4 \; , \; y = \! 0 \; , \; v = \! 4704 \\ w = \! 74 \; , \; h = \! 49 \; , \; x = \! 26 \; , \; y = \! 51 \; , \; v = \! 3626 \end{array}$$



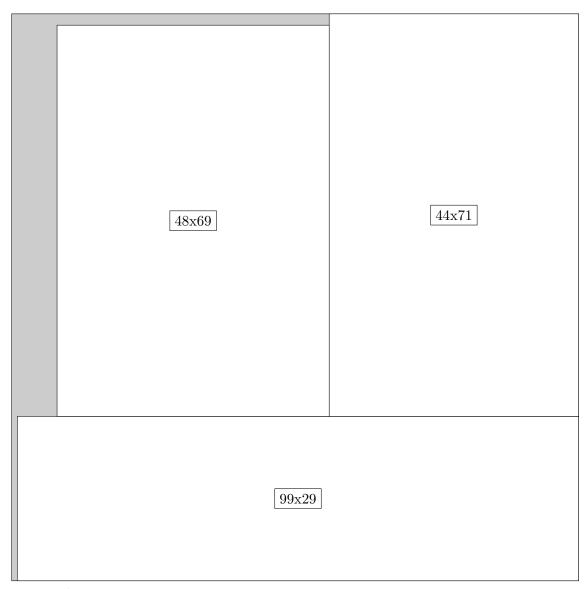
w = 75, h = 72, x = 25, y = 0, v = 5400w=74 , h=6 , x=26 , y=72 , v=444

 $\mathbf{w}$  =71 , h =21 , x =29 , y =78 , v =1491

 $\le =22$  , h =86 , x =3 , y =0 , v =1892



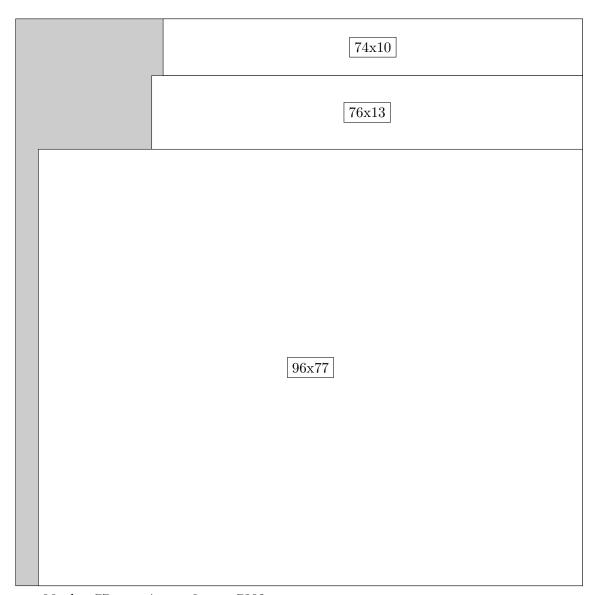
w =74 , h =4 , x =26 , y =95 , v =296



$$\le =99$$
 , h =29 , x =1 , y =0 , v =2871

$$w = 44$$
 ,  $h = 71$  ,  $x = 56$  ,  $y = 29$  ,  $v = 3124$ 

$$\le =48$$
 ,  $h=69$  ,  $x=8$  ,  $y=29$  ,  $v=3312$ 



$$\begin{array}{l} w = \! 96 \ , \ h = \! 77 \ , \ x = \! 4 \ , \ y = \! 0 \ , \ v = \! 7392 \\ w = \! 76 \ , \ h = \! 13 \ , \ x = \! 24 \ , \ y = \! 77 \ , \ v = \! 988 \end{array}$$

$$\le =74$$
 , h =10 , x =26 , y =90 , v =740