${\bf ClassName:}~{\bf Class\_08.2bp\text{-}31}$ 

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

TypeNum: <u>80</u> Num: <u>80</u> OutS: <u>240000</u> InS: <u>193774</u> Rate: <u>0.807</u> UB: <u>24</u> LB0: <u>24</u>

LBWithCut:  $\underline{\mathbf{24}}$  NodeCut:  $\underline{\mathbf{0}}$ 

LB: **24** 

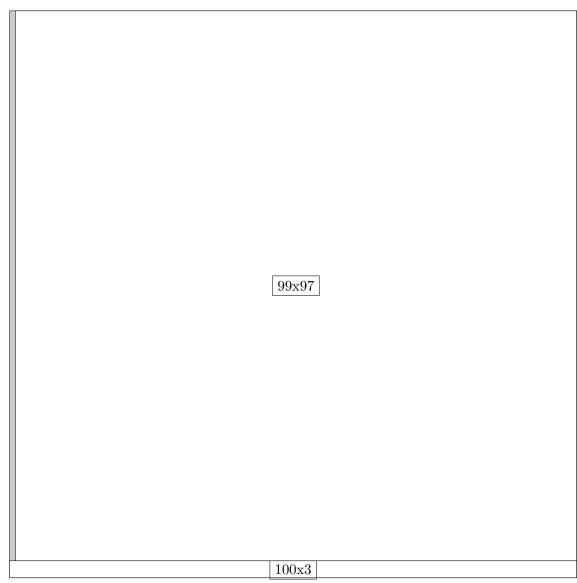
ExtendedNodeCnt:  $\underline{\mathbf{1}}$ 

GenNodeCnt:  $\underline{\mathbf{1}}$ PrimalNode:  $\underline{\mathbf{0}}$ ColumnCount:  $\underline{\mathbf{24}}$ TotalCutCount:  $\underline{\mathbf{0}}$ RootCutCount:  $\underline{\mathbf{0}}$ LPSolverCnt:  $\underline{\mathbf{1}}$ PricingSolverCnt:  $\underline{\mathbf{0}}$ BranchAndBoundNum:  $\underline{\mathbf{1}}$ 

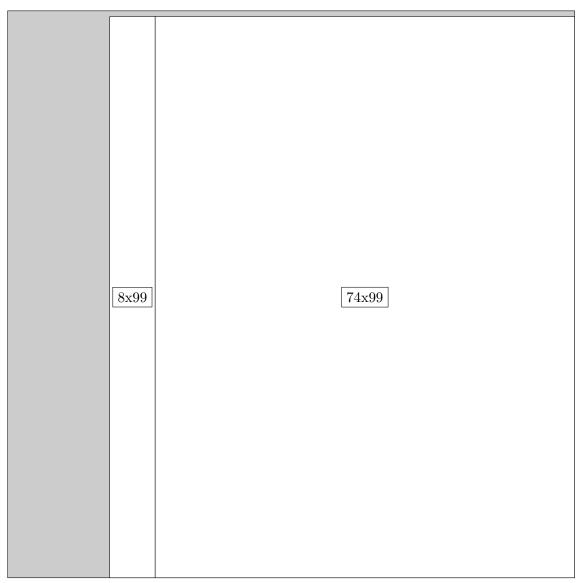
isOpt:  $\underline{\mathbf{true}}$ 

TimeOnInitSolution:  $\underline{600.000 \text{ s}}$ 

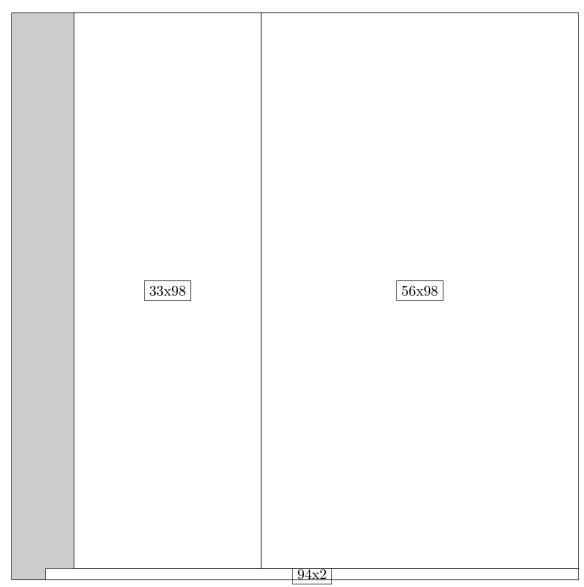
TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.078 sTotalTime: 600.344 s



$$\begin{array}{l} w = \! 100 \ , \, h = \! 3 \ , \, x = \! 0 \ , \, y = \! 0 \ , \, v = \! 300 \\ w = \! 99 \ , \, h = \! 97 \ , \, x = \! 1 \ , \, y = \! 3 \ , \, v = \! 9603 \end{array}$$



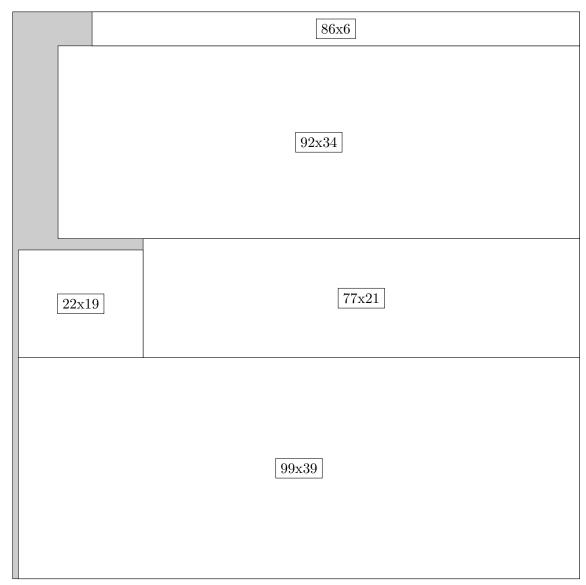
 $\begin{array}{l} w = \!\!\!\! 74 \ , \ h = \!\!\!\! 99 \ , \ x = \!\!\!\! 26 \ , \ y = \!\!\!\! 0 \ , \ v = \!\!\!\! 7326 \\ w = \!\!\!\! 8 \ , \ h = \!\!\!\! 99 \ , \ x = \!\!\!\! 18 \ , \ y = \!\!\!\! 0 \ , \ v = \!\!\!\! 792 \end{array}$ 



 $\le =94$  , h =2 , x =6 , y =0 , v =188

 $\mathbf{w}$  =56 , h =98 , x =44 , y =2 , v =5488

w = 33, h = 98, x = 11, y = 2, v = 3234



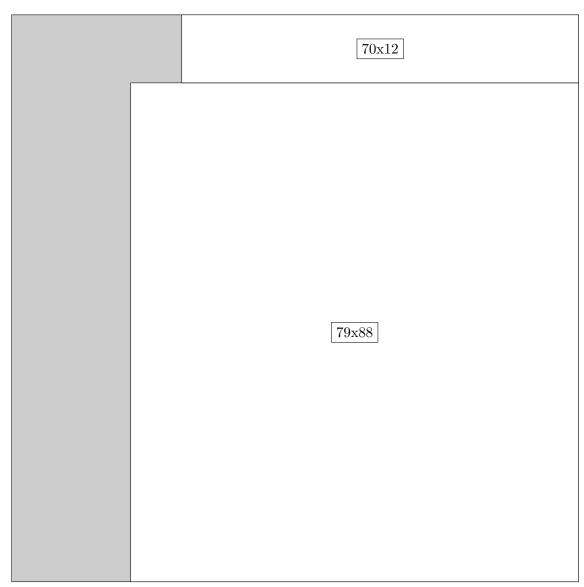
$$w = 99$$
,  $h = 39$ ,  $x = 1$ ,  $y = 0$ ,  $v = 3861$ 

$$\le =77$$
 , h =21 , x =23 , y =39 , v =1617

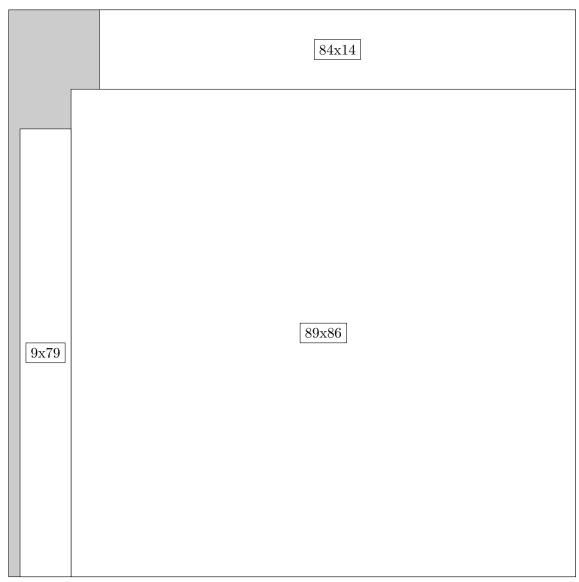
$$\le =22$$
 ,  $h$  =19 ,  $x$  =1 ,  $y$  =39 ,  $v$  =418

$$\le =92$$
 , h =34 , x =8 , y =60 , v =3128

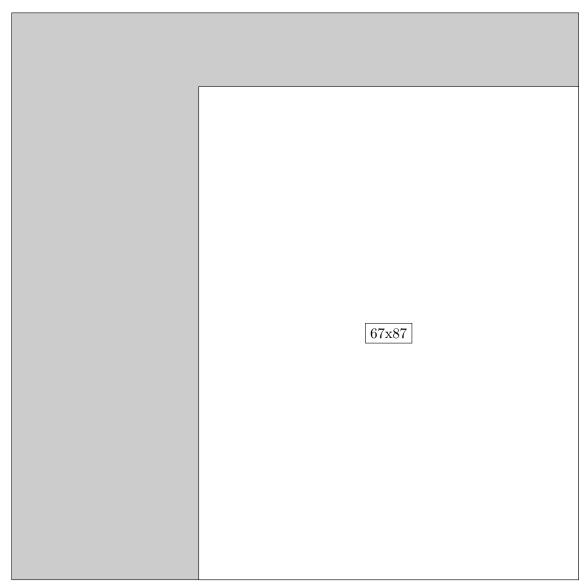
$$\le =86$$
 ,  $h=6$  ,  $x=14$  ,  $y=94$  ,  $v=516$ 



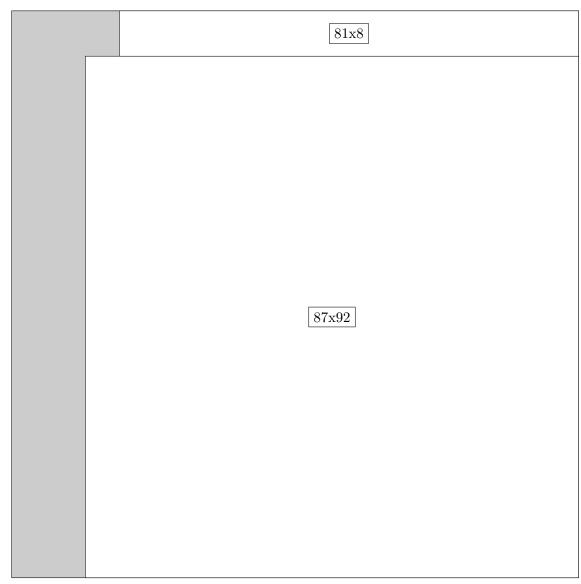
$$\begin{array}{l} w = 79 \ , \ h = \! 88 \ , \ x = \! 21 \ , \ y = \! 0 \ , \ v = \! 6952 \\ w = \! 70 \ , \ h = \! 12 \ , \ x = \! 30 \ , \ y = \! 88 \ , \ v = \! 840 \end{array}$$



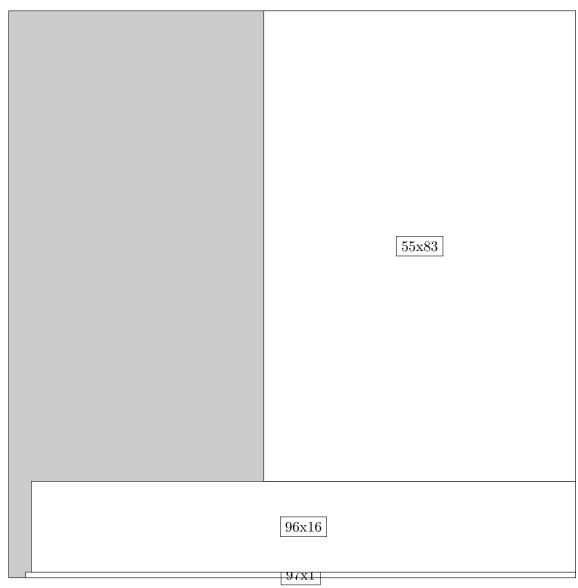
$$\begin{array}{l} w = \! 89 \; , \; h = \! 86 \; , \; x = \! 11 \; , \; y = \! 0 \; , \; v = \! 7654 \\ w = \! 9 \; , \; h = \! 79 \; , \; x = \! 2 \; , \; y = \! 0 \; , \; v = \! 711 \\ w = \! 84 \; , \; h = \! 14 \; , \; x = \! 16 \; , \; y = \! 86 \; , \; v = \! 1176 \end{array}$$



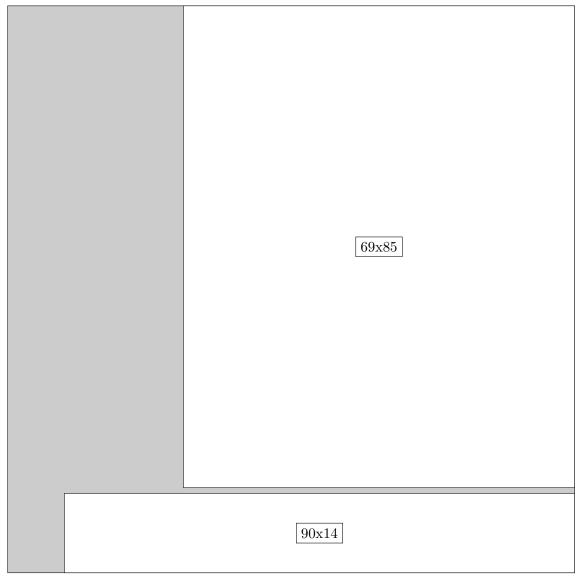
 $\le =67$  , h =87 , x =33 , y =0 , v =5829



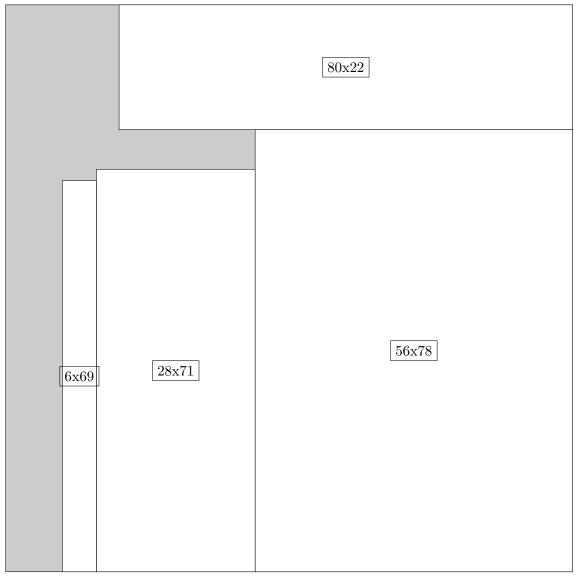
$$\begin{array}{l} w = \! 87 \; , \; h = \! 92 \; , \; x = \! 13 \; , \; y = \! 0 \; , \; v = \! 8004 \\ w = \! 81 \; , \; h = \! 8 \; , \; x = \! 19 \; , \; y = \! 92 \; , \; v = \! 648 \end{array}$$



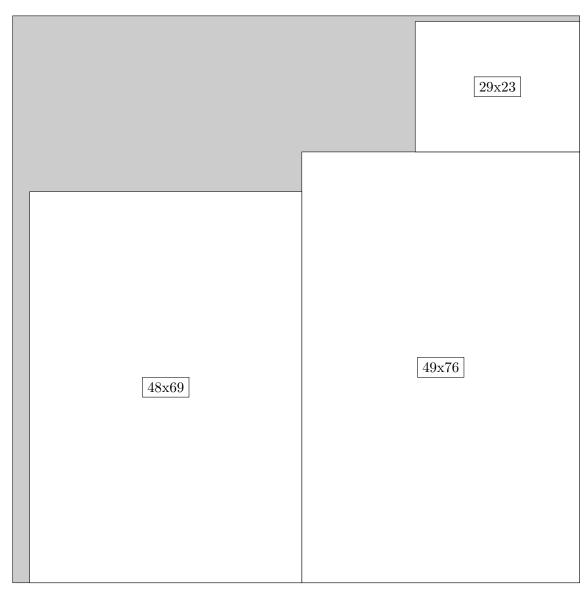
$$\begin{array}{l} w = \! 97 \; , \; h = \! 1 \; , \; x = \! 3 \; , \; y = \! 0 \; , \; v = \! 97 \\ w = \! 96 \; , \; h = \! 16 \; , \; x = \! 4 \; , \; y = \! 1 \; , \; v = \! 1536 \\ w = \! 55 \; , \; h = \! 83 \; , \; x = \! 45 \; , \; y = \! 17 \; , \; v = \! 4565 \end{array}$$



$$\begin{array}{l} w = \! 90 \ , \, h = \! 14 \ , \, x = \! 10 \ , \, y = \! 0 \ , \, v = \! 1260 \\ w = \! 69 \ , \, h = \! 85 \ , \, x = \! 31 \ , \, y = \! 15 \ , \, v = \! 5865 \end{array}$$



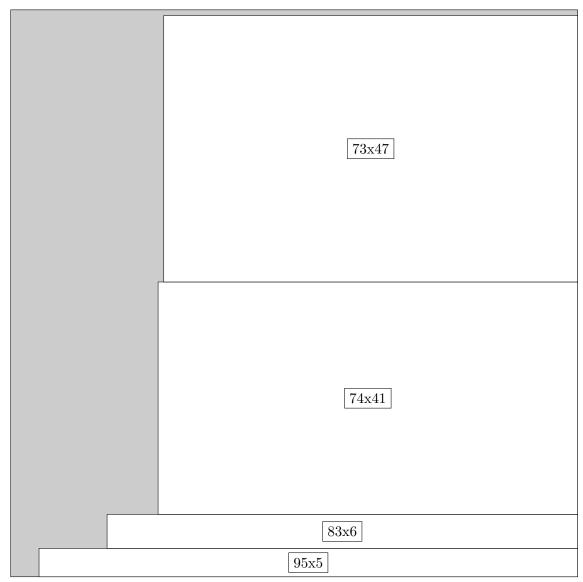
 $\begin{array}{l} w = \!56 \ , \, h = \!78 \ , \, x = \!44 \ , \, y = \!0 \ , \, v = \!4368 \\ w = \!28 \ , \, h = \!71 \ , \, x = \!16 \ , \, y = \!0 \ , \, v = \!1988 \\ w = \!6 \ , \, h = \!69 \ , \, x = \!10 \ , \, y = \!0 \ , \, v = \!414 \\ w = \!80 \ , \, h = \!22 \ , \, x = \!20 \ , \, y = \!78 \ , \, v = \!1760 \end{array}$ 



$$w = 49$$
,  $h = 76$ ,  $x = 51$ ,  $y = 0$ ,  $v = 3724$ 

$$\le =29$$
 , h =23 , x =71 , y =76 , v =667

$$\le =48$$
 , h =69 , x =3 , y =0 , v =3312

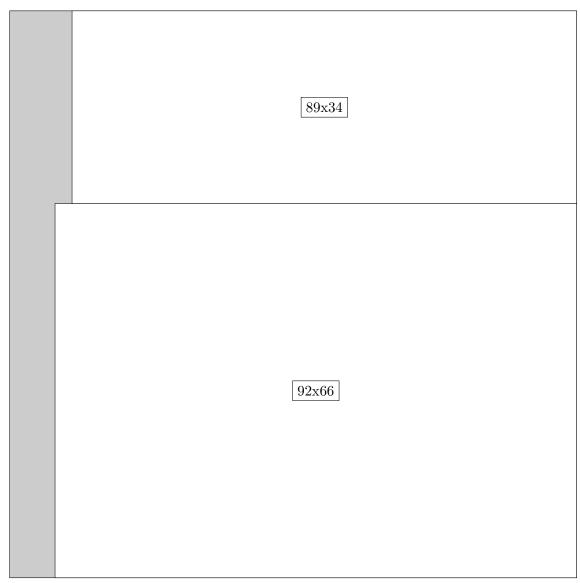


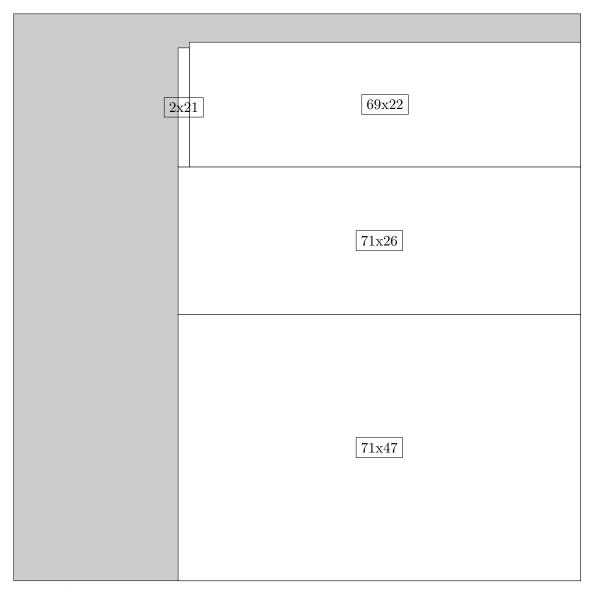
$$\le =95$$
 ,  $h=5$  ,  $x=5$  ,  $y=0$  ,  $v=475$ 

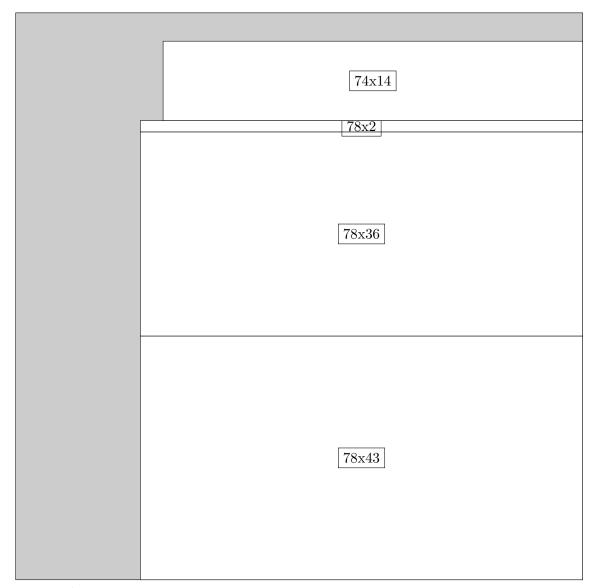
$$\le =83$$
 , h =6 , x =17 , y =5 , v =498

$$\le =74$$
 , h =41 , x =26 , y =11 , v =3034

$$w$$
 =73 ,  $h$  =47 ,  $x$  =27 ,  $y$  =52 ,  $v$  =3431





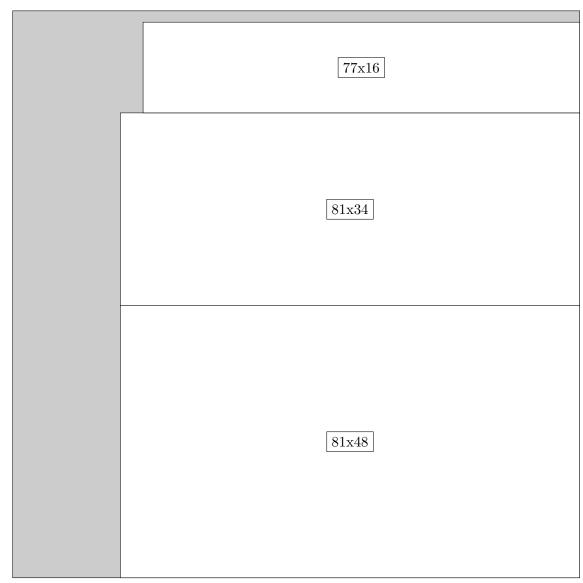


$$\le =78$$
 , h =43 , x =22 , y =0 , v =3354

$$\le =78$$
 , h =36 , x =22 , y =43 , v =2808

$$\le -78$$
 , h =  
2 , x =  
22 , y =  
79 , v =  
156

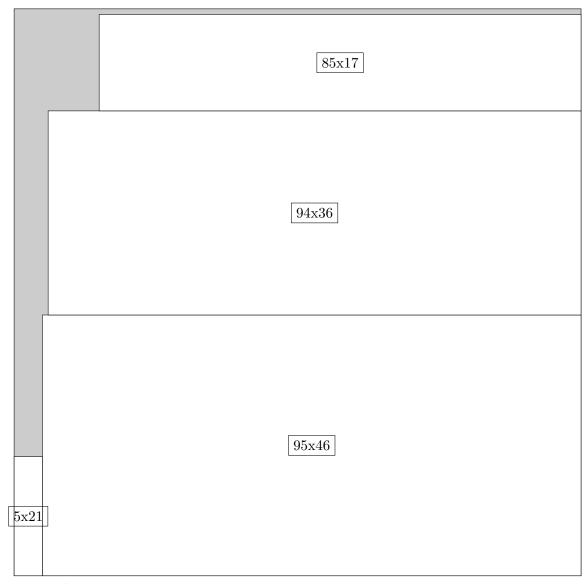
$$\mathbf{w}$$
 =74 , h =14 , x =26 , y =81 , v =1036



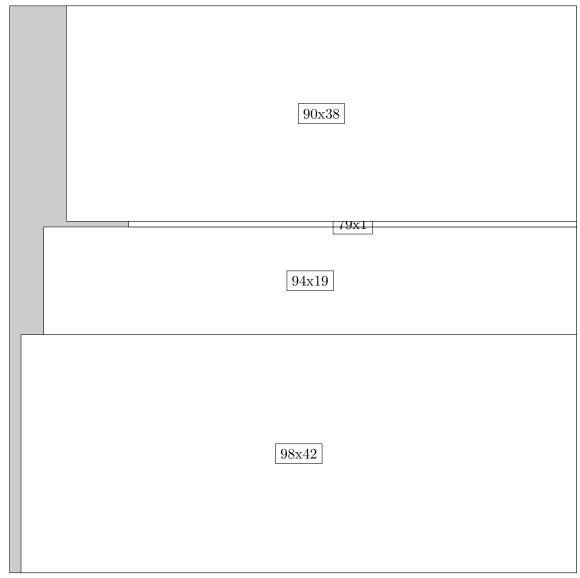
$$\le =81$$
 ,  $h=48$  ,  $x=19$  ,  $y=0$  ,  $v=3888$ 

$$w$$
 =81 , h =34 , x =19 , y =48 , v =2754

$$\le =77$$
 , h =16 , x =23 , y =82 , v =1232



$$\begin{array}{l} w = \!95 \ , \ h = \!46 \ , \ x = \!5 \ , \ y = \!0 \ , \ v = \!4370 \\ w = \!94 \ , \ h = \!36 \ , \ x = \!6 \ , \ y = \!46 \ , \ v = \!3384 \\ w = \!85 \ , \ h = \!17 \ , \ x = \!15 \ , \ y = \!82 \ , \ v = \!1445 \\ w = \!5 \ , \ h = \!21 \ , \ x = \!0 \ , \ y = \!0 \ , \ v = \!105 \end{array}$$

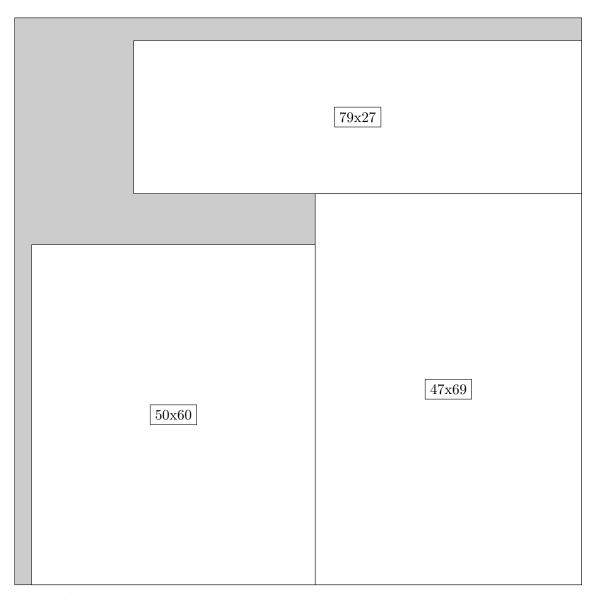


$$\le =98$$
 ,  $h=42$  ,  $x=2$  ,  $y=0$  ,  $v=4116$ 

$$\le =94$$
 ,  $h=19$  ,  $x=6$  ,  $y=42$  ,  $v=1786$ 

$$\le =79$$
 , h =1 , x =21 , y =61 , v =79

$$\le =90$$
 , h =38 , x =10 , y =62 , v =3420



$$\le =47$$
 , h =69 , x =53 , y =0 , v =3243

$$\le =50$$
 , h =60 , x =3 , y =0 , v =3000

$$\le =79$$
 , h =27 , x =21 , y =69 , v =2133

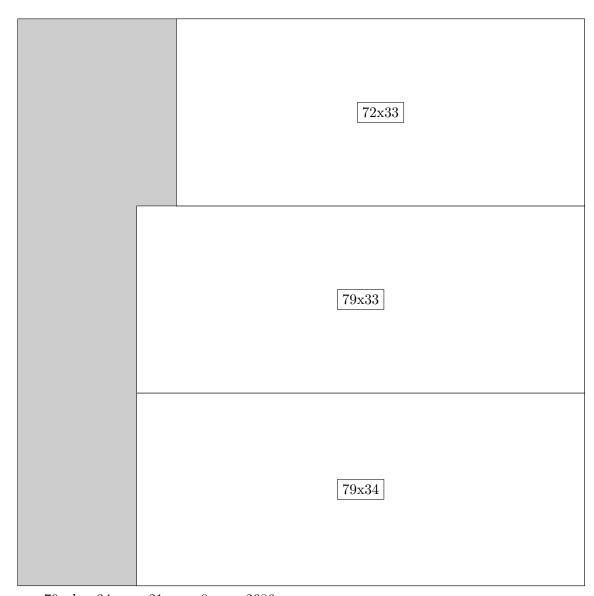


$$\le =96$$
 , h =32 , x =4 , y =0 , v =3072

$$\le =84$$
 , h =32 , x =16 , y =32 , v =2688

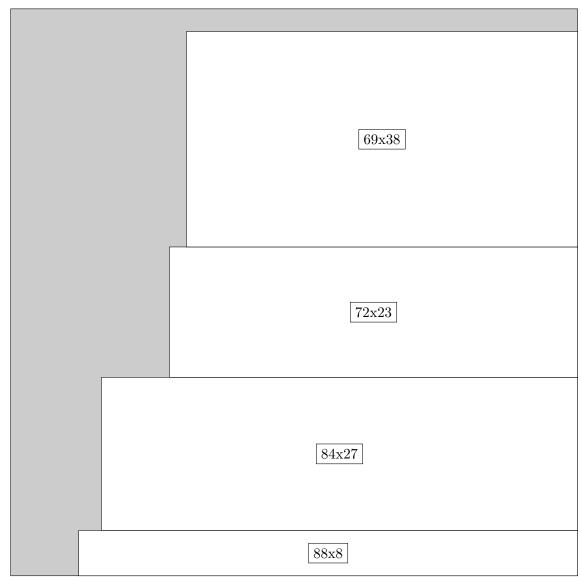
$$\le =82$$
 , h =32 , x =18 , y =64 , v =2624

$$\le =80$$
 , h =4 , x =20 , y =96 , v =320



$$\begin{array}{l} w = 79 \ , \ h = 34 \ , \ x = 21 \ , \ y = 0 \ , \ v = 2686 \\ w = 79 \ , \ h = 33 \ , \ x = 21 \ , \ y = 34 \ , \ v = 2607 \end{array}$$

$$\le =72$$
 , h =33 , x =28 , y =67 , v =2376

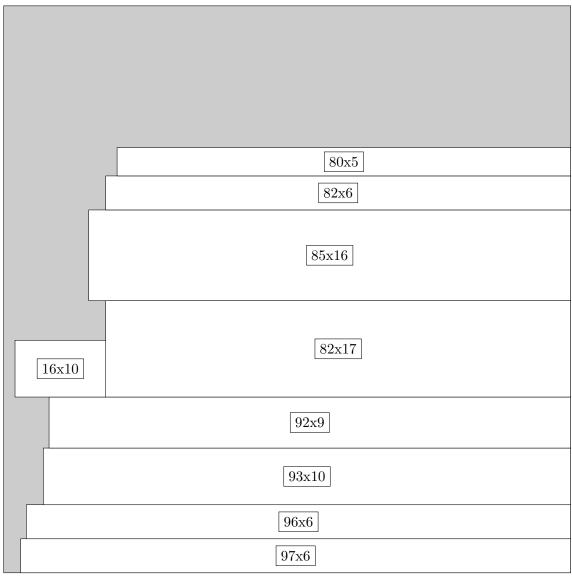


$$w$$
 =88 , h =8 , x =12 , y =0 , v =704

$$\le =84$$
 ,  $h$  =27 ,  $x$  =16 ,  $y$  =8 ,  $v$  =2268

$$\le =72$$
 , h =23 , x =28 , y =35 , v =1656

$$\le =69$$
 , h =38 , x =31 , y =58 , v =2622



$$w = 97$$
,  $h = 6$ ,  $x = 3$ ,  $y = 0$ ,  $v = 582$ 

$$w=96$$
 ,  $h=6$  ,  $x=4$  ,  $y=6$  ,  $v=\!576$ 

$$\le =93$$
 , h =10 , x =7 , y =12 , v =930

$$\le =92$$
 , h =9 , x =8 , y =22 , v =828

$$\le =82$$
 ,  $h$  =17 ,  $x$  =18 ,  $y$  =31 ,  $v$  =1394

$$\le =16$$
 ,  $h=10$  ,  $x=2$  ,  $y=31$  ,  $v=160$ 

$$w = 85$$
,  $h = 16$ ,  $x = 15$ ,  $y = 48$ ,  $v = 1360$ 

$$\le =82$$
 ,  $h$  =6 ,  $x$  =18 ,  $y$  =64 ,  $v$  =492

$$w = 80$$
,  $h = 5$ ,  $x = 20$ ,  $y = 70$ ,  $v = 400$