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

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> LB: <u>24</u>

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

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

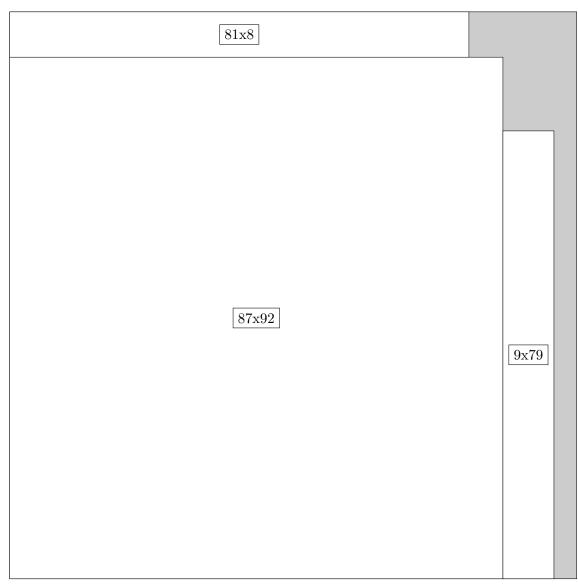
GenNodeCnt: 1
PrimalNode: 0
ColumnCount: 24
TotalCutCount: 0
RootCutCount: 0
LPSolverCnt: 1
PricingSolverCnt: 0
BranchAndBoundNum: 1

is Opt:  $\underline{\mathbf{true}}$ 

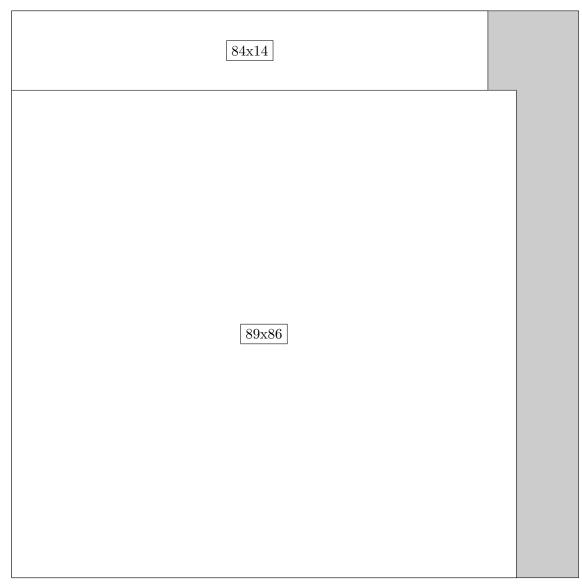
TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.078 sTotalTime: 0.125 s

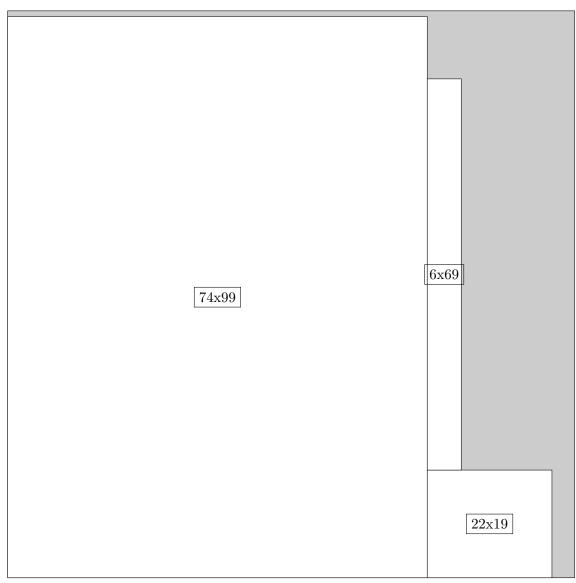


w = 99, h = 97, x = 0, y = 0, v = 9603

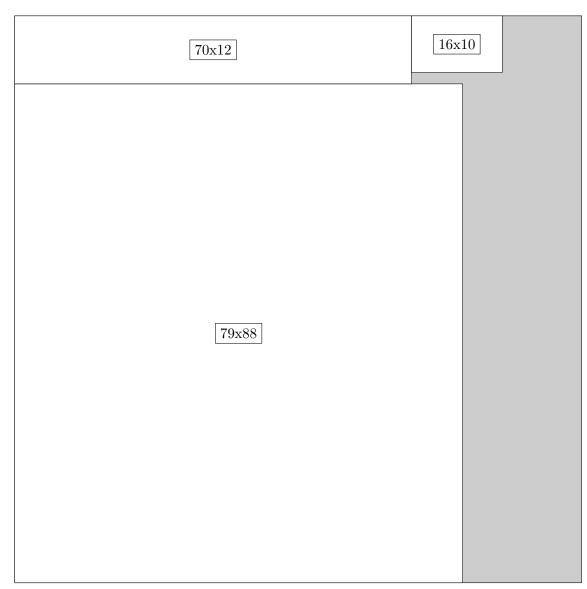


$$\begin{array}{l} w = \! 87 \; , \; h = \! 92 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 8004 \\ w = \! 9 \; , \; h = \! 79 \; , \; x = \! 87 \; , \; y = \! 0 \; , \; v = \! 711 \\ w = \! 81 \; , \; h = \! 8 \; , \; x = \! 0 \; , \; y = \! 92 \; , \; v = \! 648 \end{array}$$





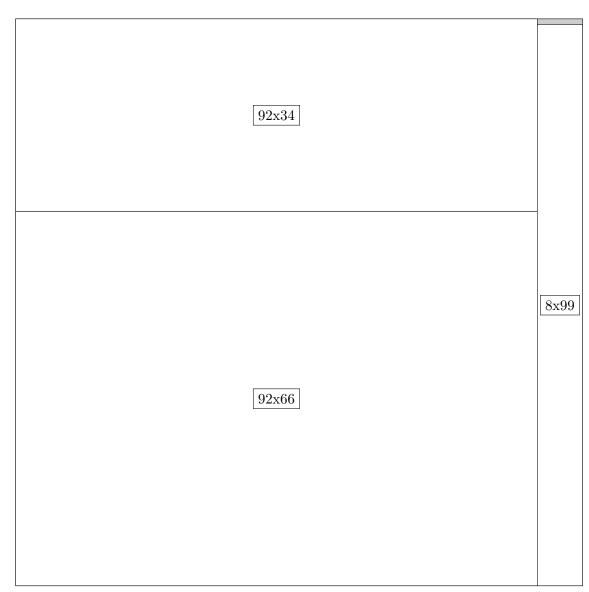
$$\begin{array}{l} w = & 74 \;,\; h = & 99 \;,\; x = & 0 \;,\; y = & 0 \;,\; v = & 7326 \\ w = & 22 \;,\; h = & 19 \;,\; x = & 74 \;,\; y = & 0 \;,\; v = & 418 \\ w = & 6 \;,\; h = & 69 \;,\; x = & 74 \;,\; y = & 19 \;,\; v = & 414 \end{array}$$



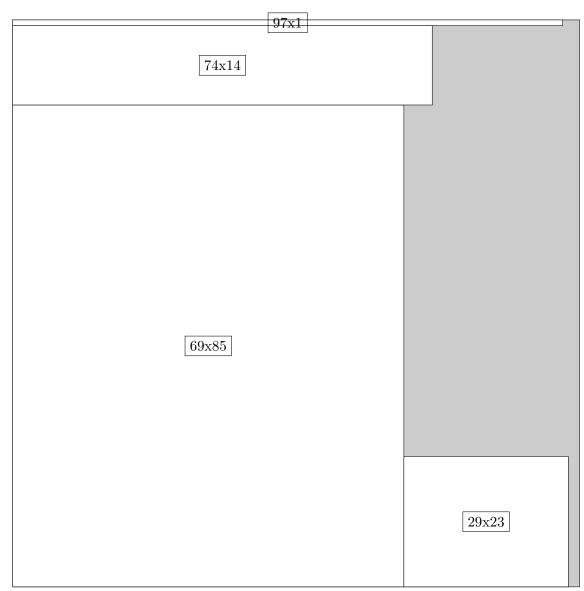
$$w = 79 \ , \ h = 88 \ , \ x = 0 \ , \ y = 0 \ , \ v = 6952$$

$$\mathbf{w}$$
 =70 , h =12 , x =0 , y =88 , v =840

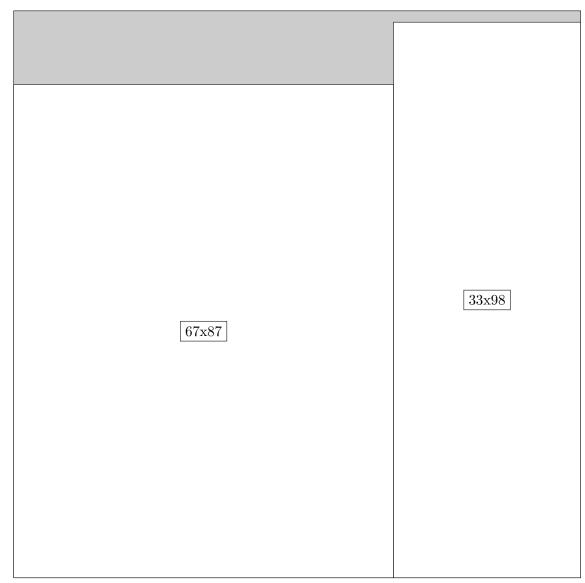
$$\le =16$$
 ,  $h=10$  ,  $x=70$  ,  $y=90$  ,  $v=160$ 



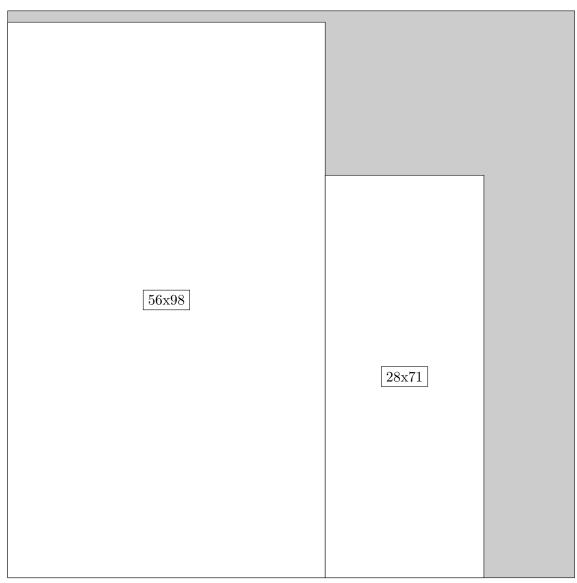
$$\begin{array}{l} w = 92 \ , \ h = 66 \ , \ x = 0 \ , \ y = 0 \ , \ v = 6072 \\ w = 92 \ , \ h = 34 \ , \ x = 0 \ , \ y = 66 \ , \ v = 3128 \\ w = 8 \ , \ h = 99 \ , \ x = 92 \ , \ y = 0 \ , \ v = 792 \end{array}$$

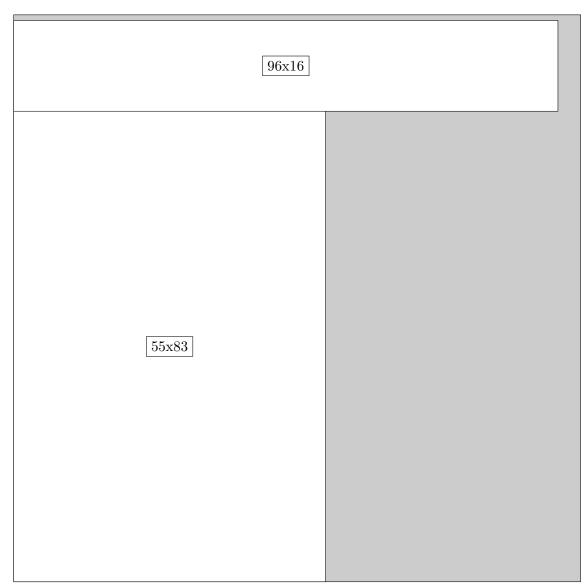


$$\begin{array}{l} w = 69 \ , \ h = 85 \ , \ x = 0 \ , \ y = 0 \ , \ v = 5865 \\ w = 74 \ , \ h = 14 \ , \ x = 0 \ , \ y = 85 \ , \ v = 1036 \\ w = 29 \ , \ h = 23 \ , \ x = 69 \ , \ y = 0 \ , \ v = 667 \\ w = 97 \ , \ h = 1 \ , \ x = 0 \ , \ y = 99 \ , \ v = 97 \end{array}$$

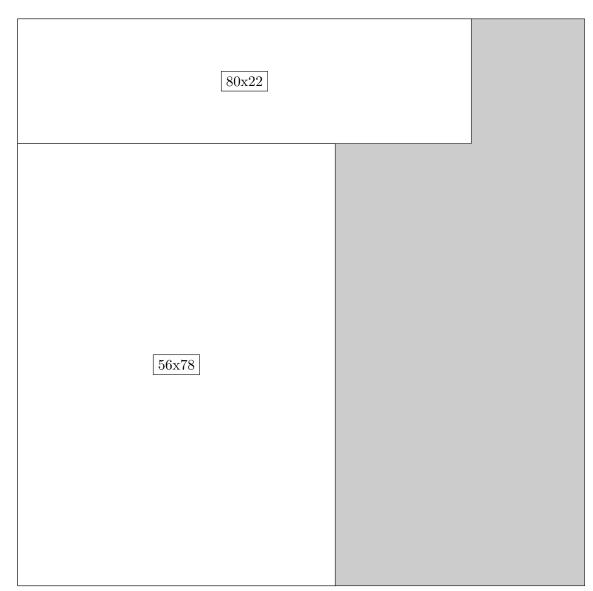


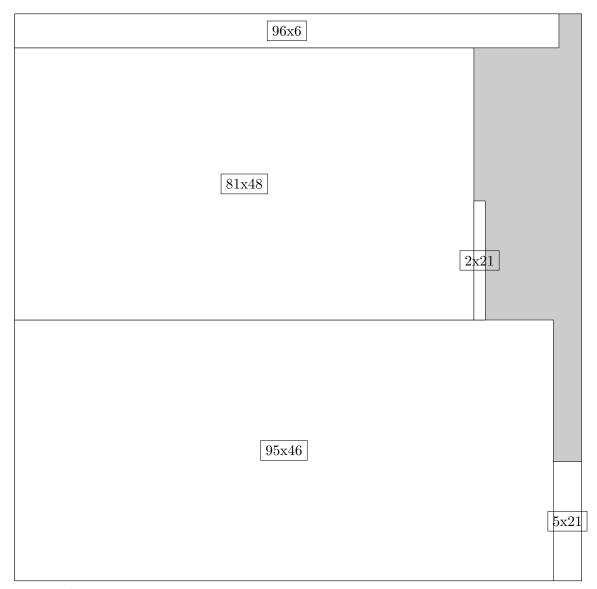
$$\begin{array}{c} w = \!\!67 \; , \; h = \!\!87 \; , \; x = \!\!0 \; , \; y = \!\!0 \; , \; v = \!\!5829 \\ w = \!\!33 \; , \; h = \!\!98 \; , \; x = \!\!67 \; , \; y = \!\!0 \; , \; v = \!\!3234 \\ \end{array}$$





$$\begin{array}{c} w = \!\! 55 \ , \ h = \!\! 83 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 4565 \\ w = \!\! 96 \ , \ h = \!\! 16 \ , \ x = \!\! 0 \ , \ y = \!\! 83 \ , \ v = \!\! 1536 \\ \end{array}$$





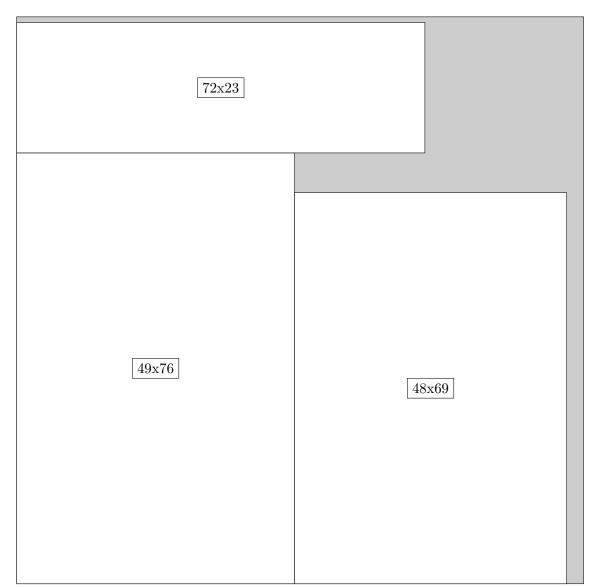
 $\le =95$  , h =46 , x =0 , y =0 , v =4370

 $\le =81$  , h=48 , x=0 , y=46 , v=3888

 $\le =96$  , h =6 , x =0 , y =94 , v =576

w =5 , h =21 , x =95 , y =0 , v =105

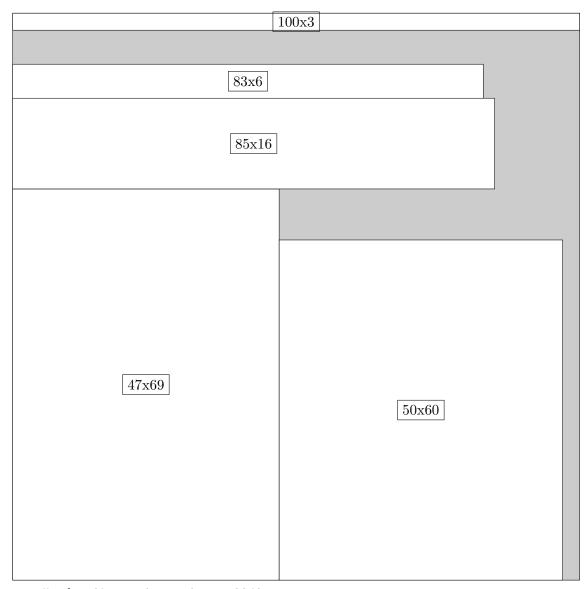
w =2 , h =21 , x =81 , y =46 , v =42



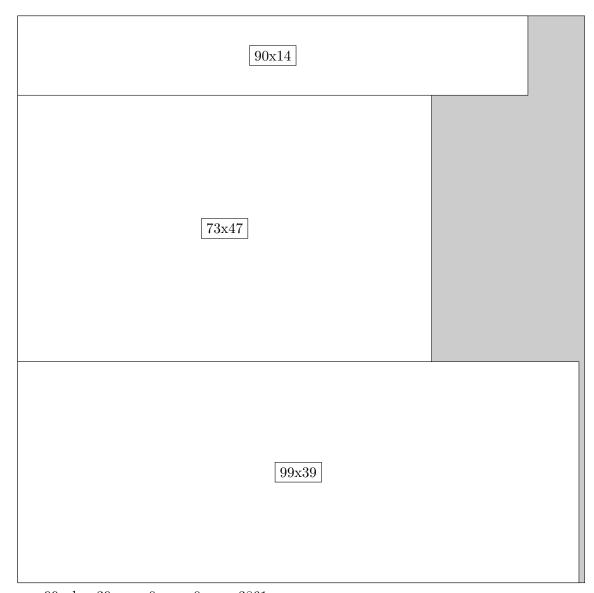
$$\le =49$$
 , h =76 , x =0 , y =0 , v =3724

$$\le =48$$
 ,  $h=69$  ,  $x=49$  ,  $y=0$  ,  $v=3312$ 

$$\le =72$$
 , h =23 , x =0 , y =76 , v =1656



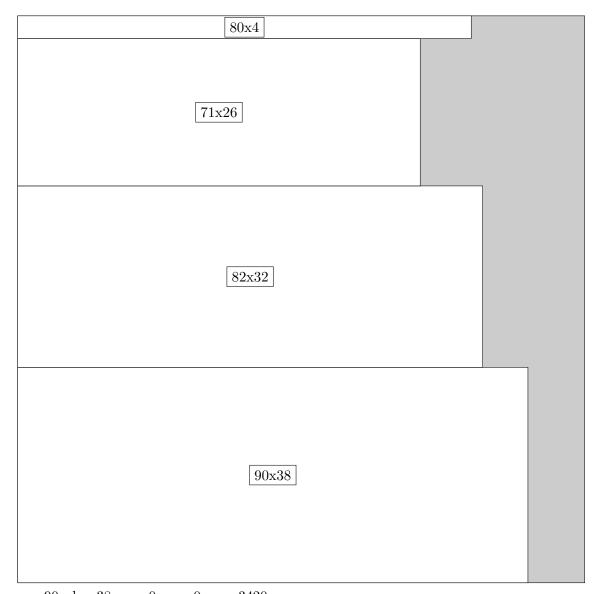
$$\begin{array}{l} w = \!\! 47 \;,\; h = \!\! 69 \;,\; x = \!\! 0 \;,\; y = \!\! 0 \;,\; v = \!\! 3243 \\ w = \!\! 50 \;,\; h = \!\! 60 \;,\; x = \!\! 47 \;,\; y = \!\! 0 \;,\; v = \!\! 3000 \\ w = \!\! 85 \;,\; h = \!\! 16 \;,\; x = \!\! 0 \;,\; y = \!\! 69 \;,\; v = \!\! 1360 \\ w = \!\! 83 \;,\; h = \!\! 6 \;,\; x = \!\! 0 \;,\; y = \!\! 85 \;,\; v = \!\! 498 \\ w = \!\! 100 \;,\; h = \!\! 3 \;,\; x = \!\! 0 \;,\; y = \!\! 97 \;,\; v = \!\! 300 \end{array}$$



$$\le =73$$
 , h =47 , x =0 , y =39 , v =3431

$$\le =90$$
 , h =14 , x =0 , y =86 , v =1260



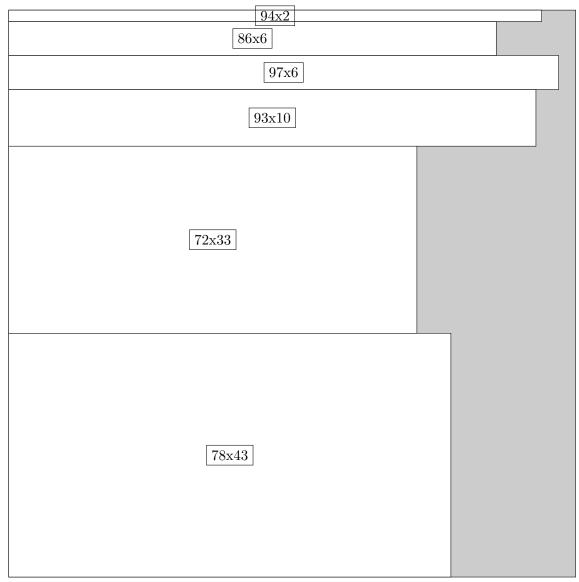


$$\le =90$$
 , h =38 , x =0 , y =0 , v =3420

$$\le =82$$
 , h =32 , x =0 , y =38 , v =2624

$$\le =71$$
 , h =26 , x =0 , y =70 , v =1846

$$\le =80$$
 , h =4 , x =0 , y =96 , v =320



$$w = 78$$
,  $h = 43$ ,  $x = 0$ ,  $y = 0$ ,  $v = 3354$ 

$$\le =72$$
 , h =33 , x =0 , y =43 , v =2376

$$\le =93$$
 ,  $h$  =10 ,  $x$  =0 ,  $y$  =76 ,  $v$  =930

$$\le =97$$
 , h =6 , x =0 , y =86 , v =582

$$\le =86$$
 ,  $h$  =6 ,  $x$  =0 ,  $y$  =92 ,  $v$  =516

$$\le =94$$
 ,  $h$  =2 ,  $x$  =0 ,  $y$  =98 ,  $v$  =188



$$\begin{array}{l} w = \! 96 \ , \ h = \! 32 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 3072 \\ w = \! 81 \ , \ h = \! 34 \ , \ x = \! 0 \ , \ y = \! 32 \ , \ v = \! 2754 \\ w = \! 79 \ , \ h = \! 34 \ , \ x = \! 0 \ , \ y = \! 66 \ , \ v = \! 2686 \end{array}$$

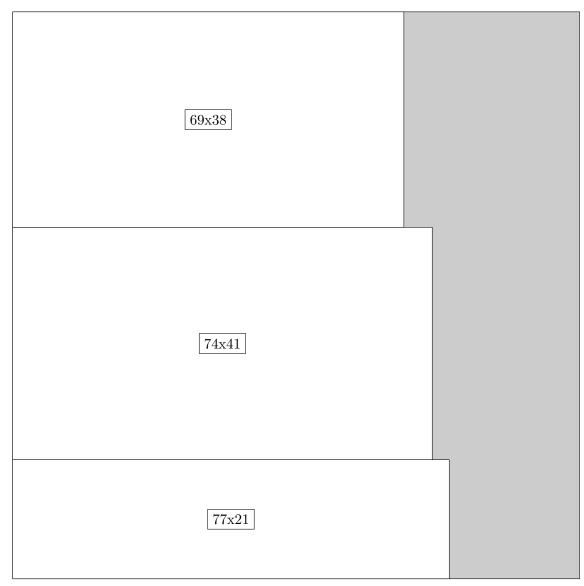


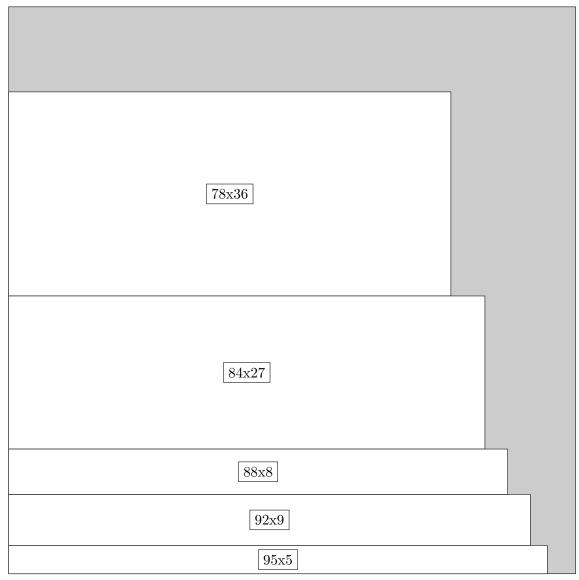
$$w = 79$$
,  $h = 1$ ,  $x = 0$ ,  $y = 66$ ,  $v = 79$ 

$$\le =84$$
 ,  $h=32$  ,  $x=0$  ,  $y=34$  ,  $v=2688$ 

$$\le =79$$
 , h =33 , x =0 , y =67 , v =2607

$$\le =89$$
 , h =34 , x =0 , y =0 , v =3026





$$w = 78$$
,  $h = 36$ ,  $x = 0$ ,  $y = 49$ ,  $v = 2808$ 

$$\le =84$$
 , h =27 , x =0 , y =22 , v =2268

$$\le =92$$
 , h =9 , x =0 , y =5 , v =828

$$\le =88$$
 ,  $h$  =8 ,  $x$  =0 ,  $y$  =14 ,  $v$  =704

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



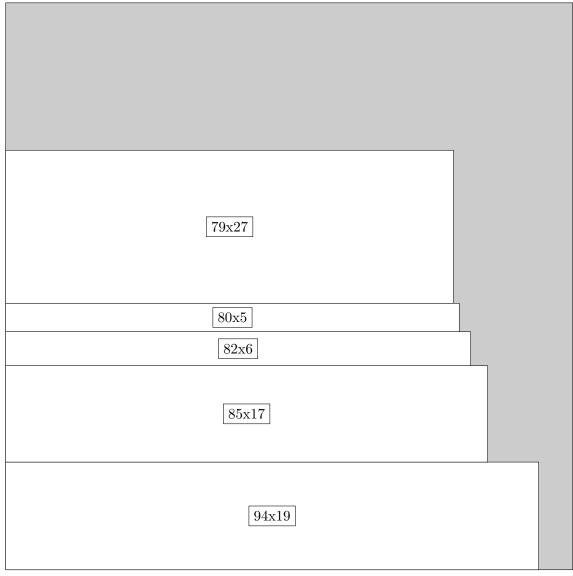
$$w = 94$$
,  $h = 36$ ,  $x = 0$ ,  $y = 0$ ,  $v = 3384$ 

$$\le =69$$
 , h =22 , x =0 , y =71 , v =1518

$$\le =82$$
 , h =17 , x =0 , y =36 , v =1394

$$\mathbf{w}$$
 =77 , h =16 , x =0 , y =55 , v =1232

$$\le -78$$
 , h =2 , x =0 , y =53 , v =156



$$w = 79$$
,  $h = 27$ ,  $x = 0$ ,  $y = 47$ ,  $v = 2133$ 

$$\le =94$$
 ,  $h$  =19 ,  $x$  =0 ,  $y$  =0 ,  $v$  =1786

$$\le =85$$
 ,  $h$  =17 ,  $x$  =0 ,  $y$  =19 ,  $v$  =1445

$$\le =82$$
 ,  $h$  =6 ,  $x$  =0 ,  $y$  =36 ,  $v$  =492

$$\le =80$$
 ,  $h=5$  ,  $x=0$  ,  $y=42$  ,  $v=400$