${\bf ClassName:}~{\bf Class_08.2bp\text{-}31}$

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

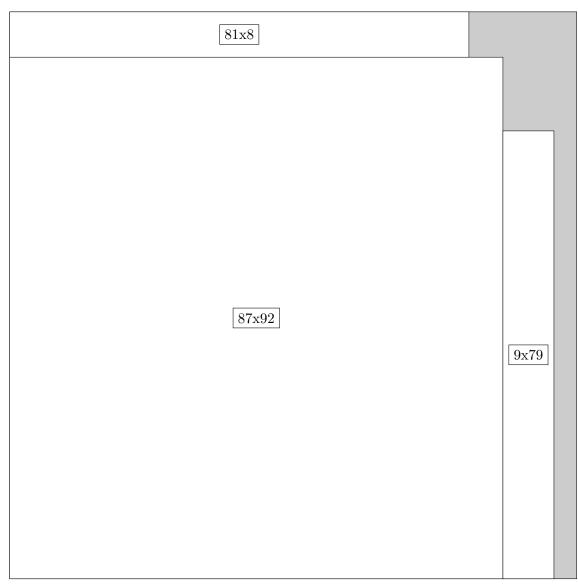
GenNodeCnt: $\underline{\mathbf{1}}$ PrimalNode: $\underline{\mathbf{0}}$ ColumnCount: $\underline{\mathbf{24}}$ TotalCutCount: $\underline{\mathbf{0}}$ RootCutCount: $\underline{\mathbf{0}}$ LPSolverCnt: $\underline{\mathbf{1}}$ PricingSolverCnt: $\underline{\mathbf{0}}$ BranchAndBoundNum: $\underline{\mathbf{1}}$

isOpt: **true**

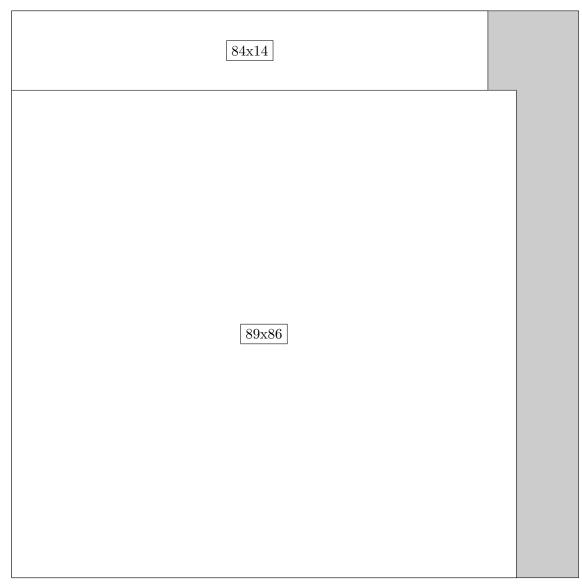
 $\begin{array}{ll} {\rm TimeOnInitSolution:} \ \underline{0.230 \ s} \\ {\rm TimeOnPrimal:} \ \underline{0.000 \ s} \\ {\rm TimeOnPricing:} \ \underline{0.000 \ s} \\ {\rm TimeOnRmp:} \ \underline{0.062 \ s} \\ {\rm TotalTime:} \ \underline{0.355 \ s} \end{array}$

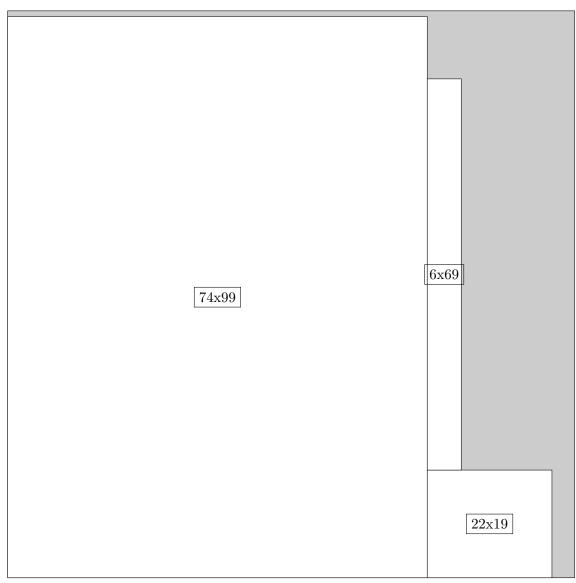


w = 99, h = 97, x = 0, y = 0, v = 9603

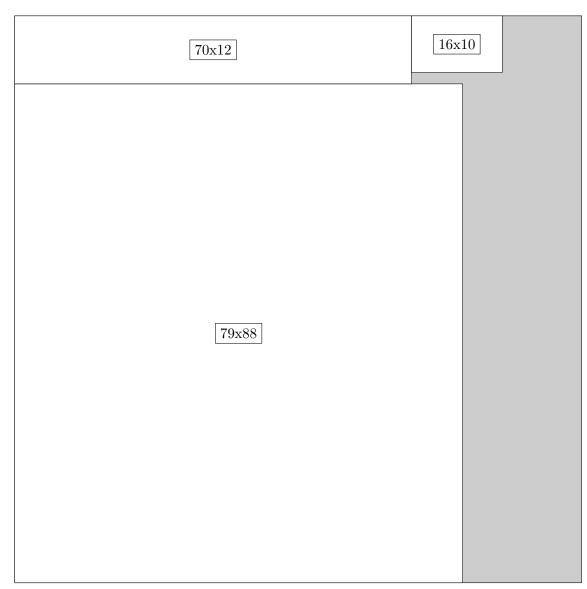


$$\begin{array}{l} w = \! 87 \; , \; h = \! 92 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 8004 \\ w = \! 9 \; , \; h = \! 79 \; , \; x = \! 87 \; , \; y = \! 0 \; , \; v = \! 711 \\ w = \! 81 \; , \; h = \! 8 \; , \; x = \! 0 \; , \; y = \! 92 \; , \; v = \! 648 \end{array}$$





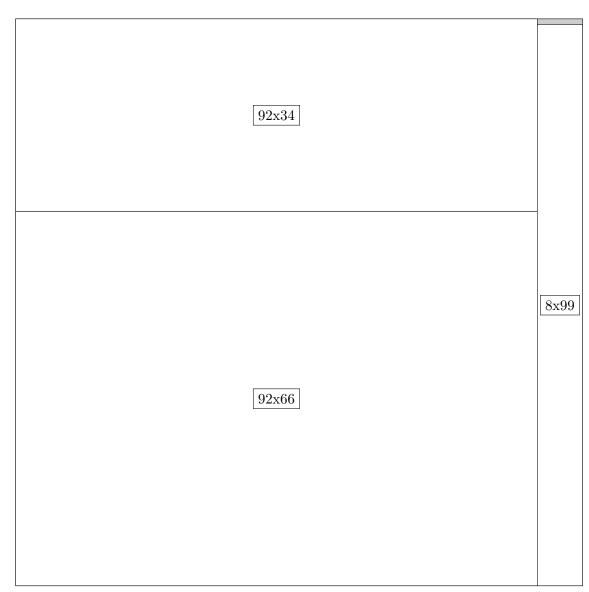
$$\begin{array}{l} w = & 74 \;,\; h = & 99 \;,\; x = & 0 \;,\; y = & 0 \;,\; v = & 7326 \\ w = & 22 \;,\; h = & 19 \;,\; x = & 74 \;,\; y = & 0 \;,\; v = & 418 \\ w = & 6 \;,\; h = & 69 \;,\; x = & 74 \;,\; y = & 19 \;,\; v = & 414 \end{array}$$



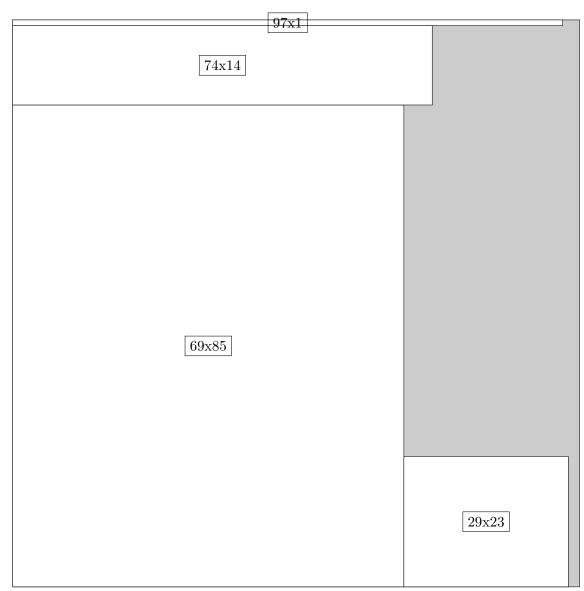
$$w = 79 \ , \ h = 88 \ , \ x = 0 \ , \ y = 0 \ , \ v = 6952$$

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

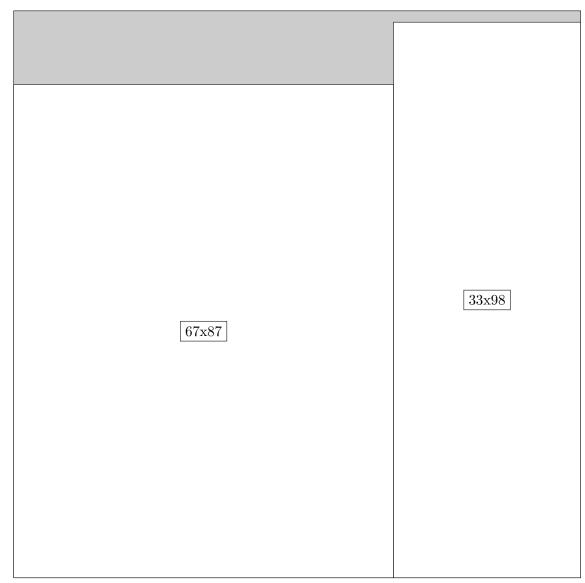
$$\le =16$$
 , $h=10$, $x=70$, $y=90$, $v=160$



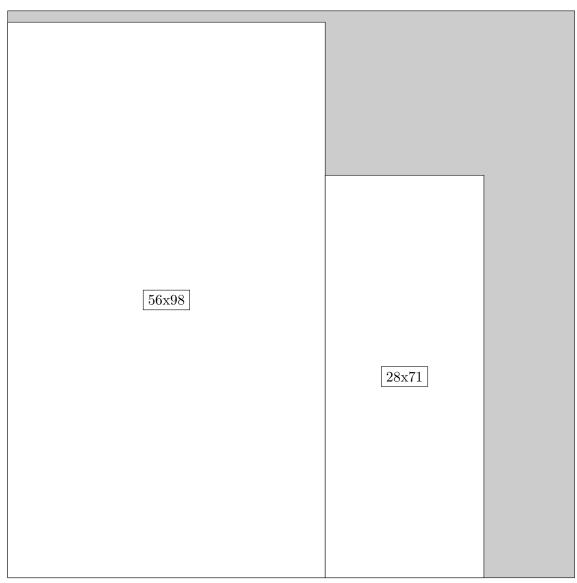
$$\begin{array}{l} w = 92 \ , \ h = 66 \ , \ x = 0 \ , \ y = 0 \ , \ v = 6072 \\ w = 92 \ , \ h = 34 \ , \ x = 0 \ , \ y = 66 \ , \ v = 3128 \\ w = 8 \ , \ h = 99 \ , \ x = 92 \ , \ y = 0 \ , \ v = 792 \end{array}$$

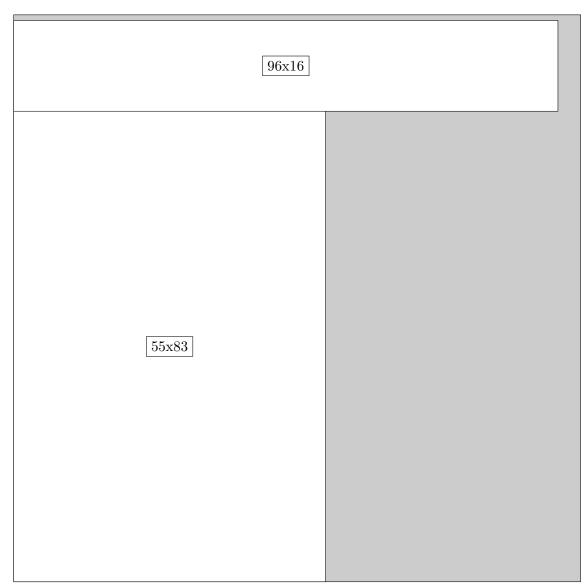


$$\begin{array}{l} w = 69 \ , \ h = 85 \ , \ x = 0 \ , \ y = 0 \ , \ v = 5865 \\ w = 74 \ , \ h = 14 \ , \ x = 0 \ , \ y = 85 \ , \ v = 1036 \\ w = 29 \ , \ h = 23 \ , \ x = 69 \ , \ y = 0 \ , \ v = 667 \\ w = 97 \ , \ h = 1 \ , \ x = 0 \ , \ y = 99 \ , \ v = 97 \end{array}$$

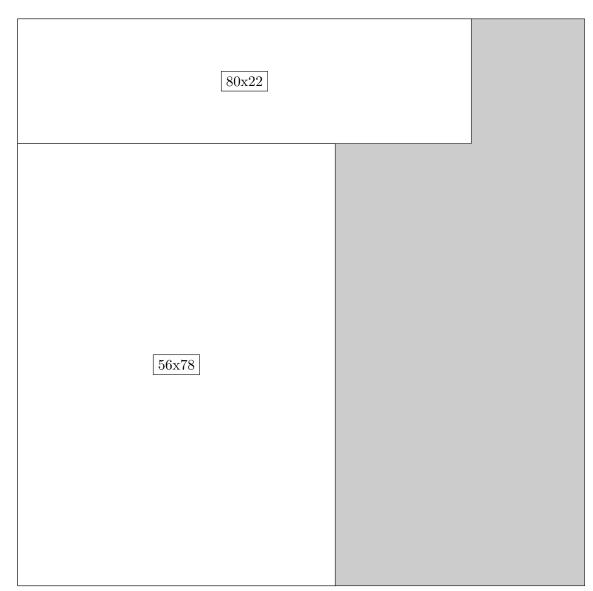


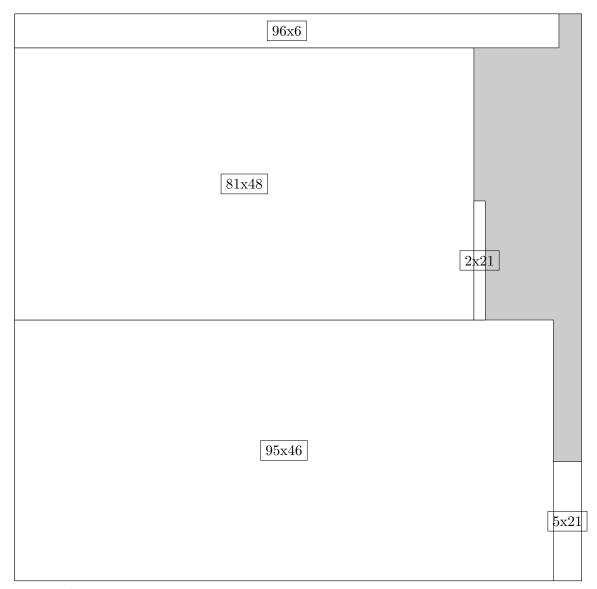
$$\begin{array}{c} w = \!\!67 \; , \; h = \!\!87 \; , \; x = \!\!0 \; , \; y = \!\!0 \; , \; v = \!\!5829 \\ w = \!\!33 \; , \; h = \!\!98 \; , \; x = \!\!67 \; , \; y = \!\!0 \; , \; v = \!\!3234 \\ \end{array}$$





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





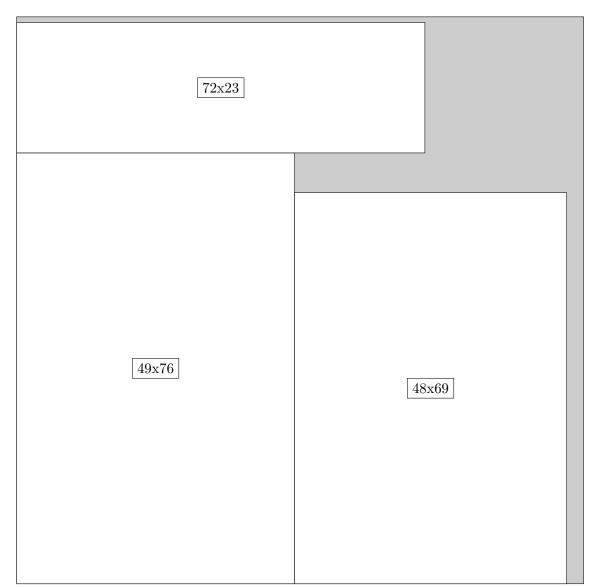
 $\le =95$, h =46 , x =0 , y =0 , v =4370

 $\le =81$, 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

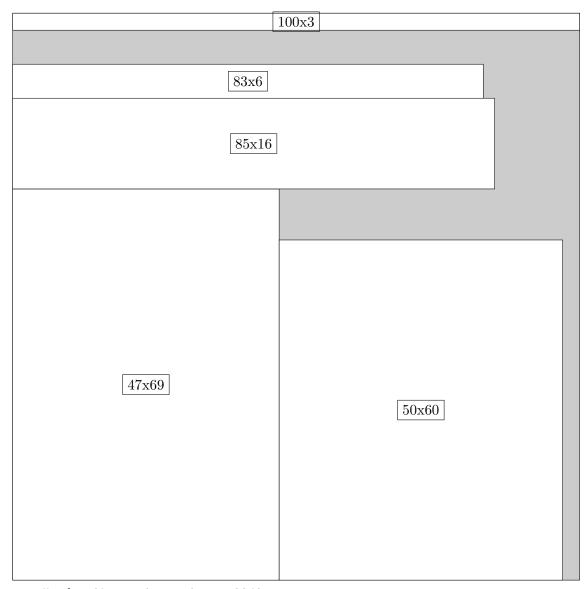
w =2 , h =21 , x =81 , y =46 , v =42



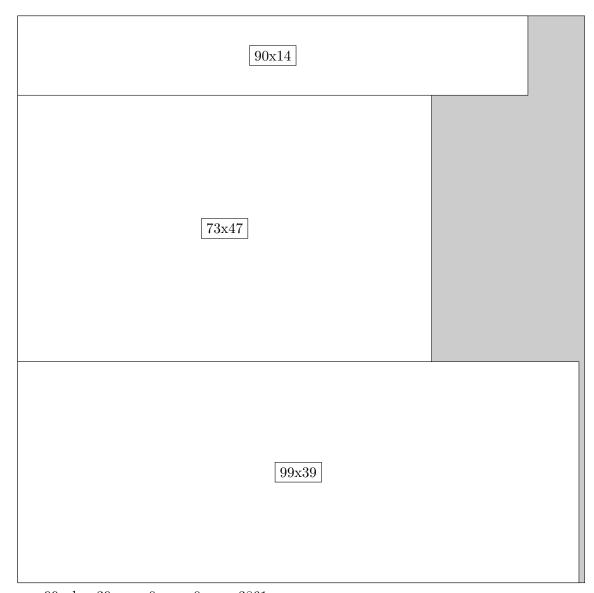
$$\le =49$$
 , h =76 , x =0 , y =0 , v =3724

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

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



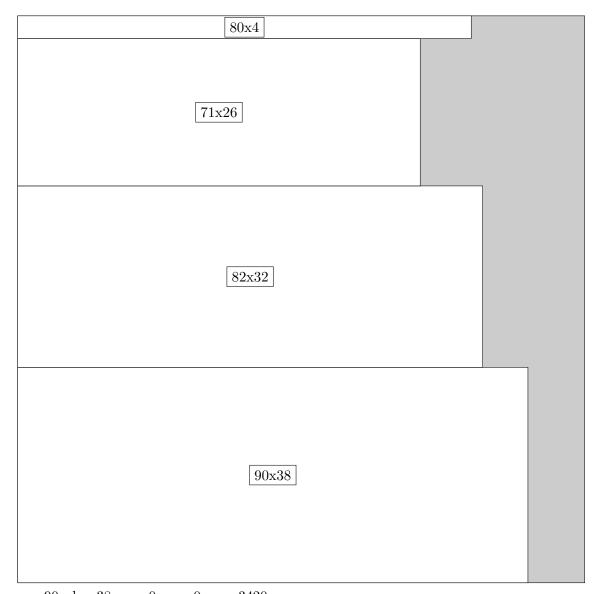
$$\begin{array}{l} w = \!\! 47 \;,\; h = \!\! 69 \;,\; x = \!\! 0 \;,\; y = \!\! 0 \;,\; v = \!\! 3243 \\ w = \!\! 50 \;,\; h = \!\! 60 \;,\; x = \!\! 47 \;,\; y = \!\! 0 \;,\; v = \!\! 3000 \\ w = \!\! 85 \;,\; h = \!\! 16 \;,\; x = \!\! 0 \;,\; y = \!\! 69 \;,\; v = \!\! 1360 \\ w = \!\! 83 \;,\; h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



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

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



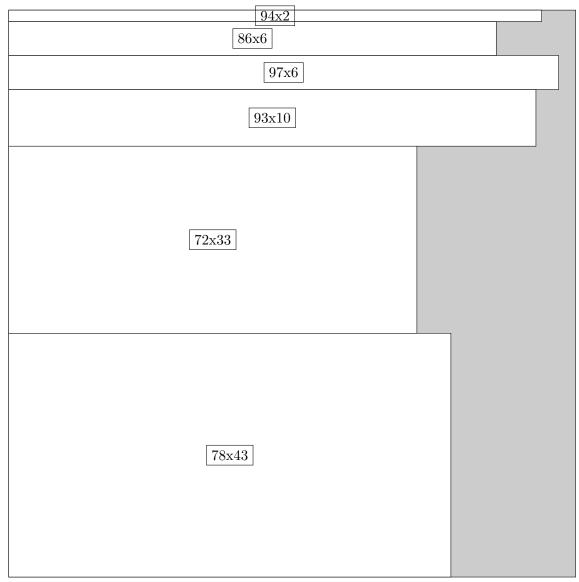


$$\le =90$$
 , h =38 , x =0 , y =0 , v =3420

$$\le =82$$
 , 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



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

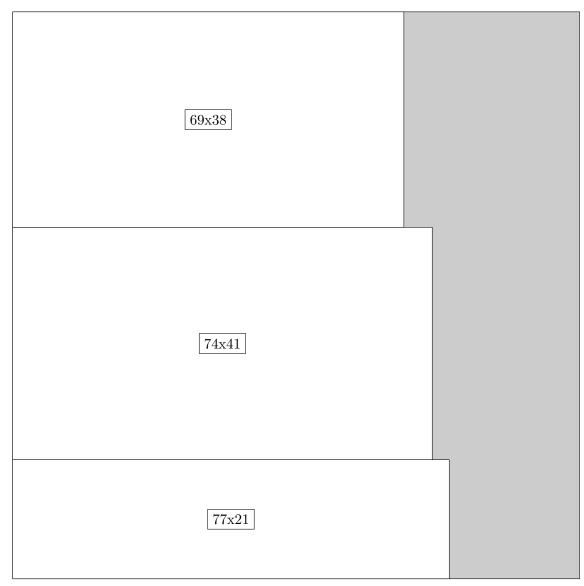


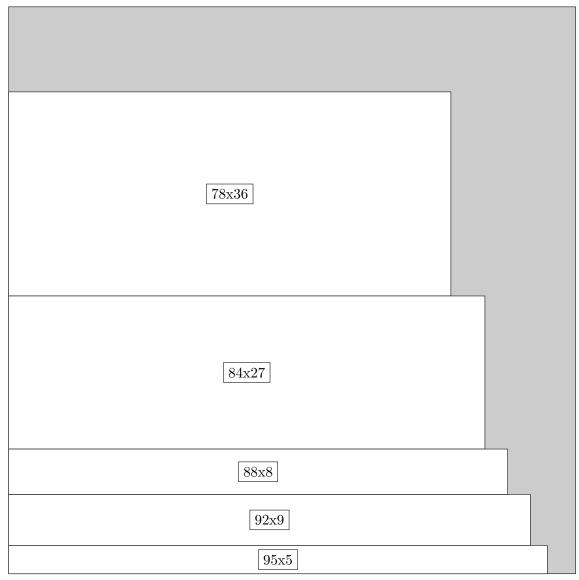
$$w = 79$$
, $h = 1$, $x = 0$, $y = 66$, $v = 79$

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

$$\le =79$$
 , 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

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



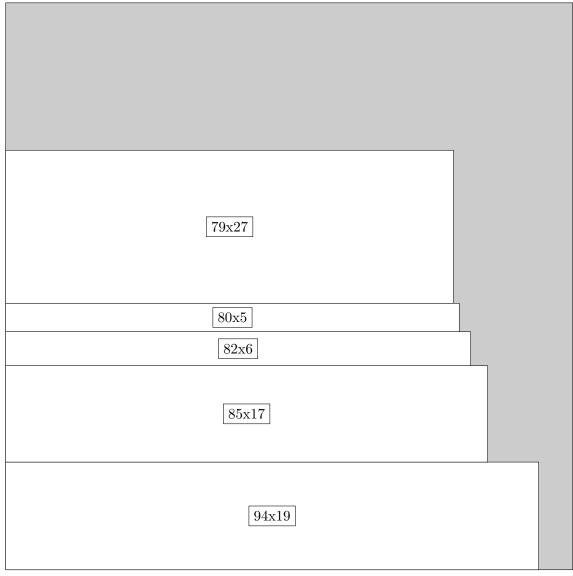
$$w = 94$$
, $h = 36$, $x = 0$, $y = 0$, $v = 3384$

$$\le =69$$
 , 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

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