$ClassName: \ Class\_07.2bp-29$ 

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

TypeNum: <u>60</u> Num: <u>60</u> OutS: <u>190000</u> InS: <u>162038</u> Rate: <u>0.853</u> UB: <u>19</u>

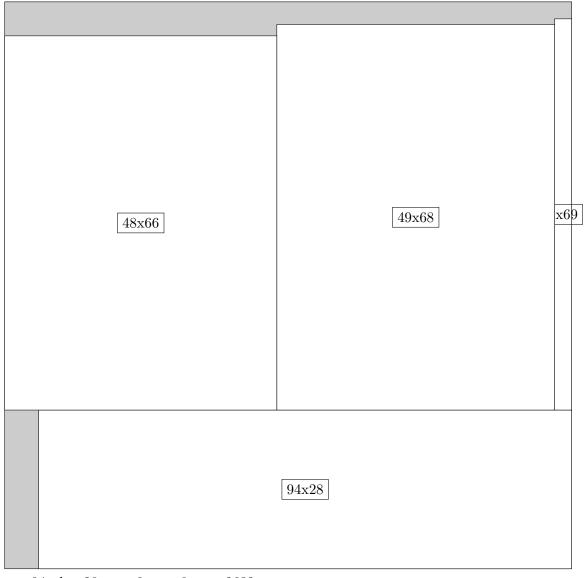
LB:  $\underline{18}$ LBWithCut:  $\underline{18}$ NodeCount:  $\underline{0}$ PrimalNode:  $\underline{38}$ ColumnCount:  $\underline{201}$ TotalCutCount:  $\underline{0}$ RootCutCount:  $\underline{0}$ LPSolverCnt:  $\underline{365}$ 

 $\begin{array}{ll} {\rm PricingSolverCnt:} \ \underline{\bf 362} \\ {\rm BranchAndBoundNum:} \ \underline{\bf 7} \end{array}$ 

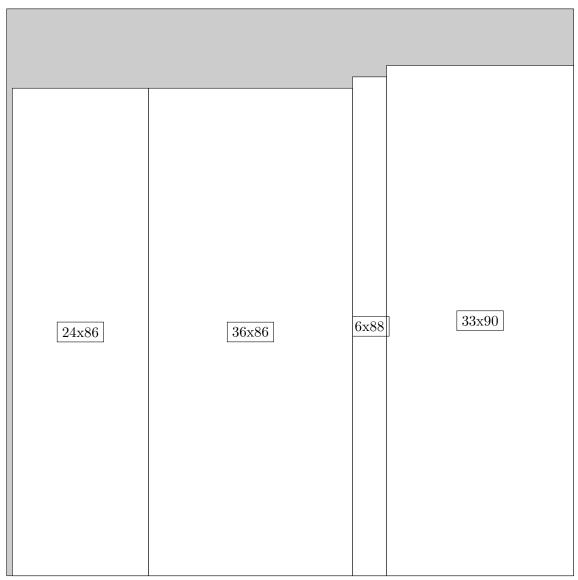
isOpt: **true** 

 $\begin{array}{ll} {\rm TimeOnPrimal:} \ \underline{182.715 \ s} \\ {\rm TimeOnPricing:} \ \underline{1845.112 \ s} \end{array}$ 

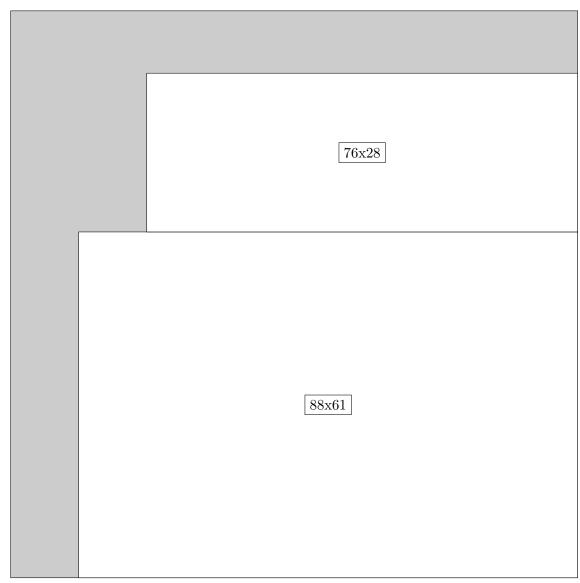
TimeOnRmp:  $\underline{0.340 \text{ s}}$ TotalTime:  $\underline{1845.673 \text{ s}}$ 



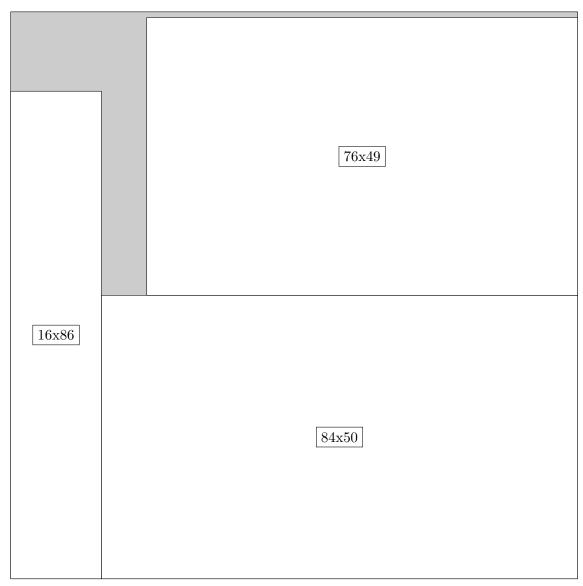
 $\begin{array}{l} w = 94 \ , \ h = 28 \ , \ x = 6 \ , \ y = 0 \ , \ v = 2632 \\ w = 3 \ , \ h = 69 \ , \ x = 97 \ , \ y = 28 \ , \ v = 207 \\ w = 49 \ , \ h = 68 \ , \ x = 48 \ , \ y = 28 \ , \ v = 3332 \\ w = 48 \ , \ h = 66 \ , \ x = 0 \ , \ y = 28 \ , \ v = 3168 \end{array}$ 



 $\begin{array}{l} w = & 33 \ , \ h = & 90 \ , \ x = & 67 \ , \ y = & 0 \ , \ v = & 2970 \\ w = & 6 \ , \ h = & 88 \ , \ x = & 61 \ , \ y = & 0 \ , \ v = & 528 \\ w = & 36 \ , \ h = & 86 \ , \ x = & 25 \ , \ y = & 0 \ , \ v = & 3096 \\ w = & 24 \ , \ h = & 86 \ , \ x = & 1 \ , \ y = & 0 \ , \ v = & 2064 \end{array}$ 



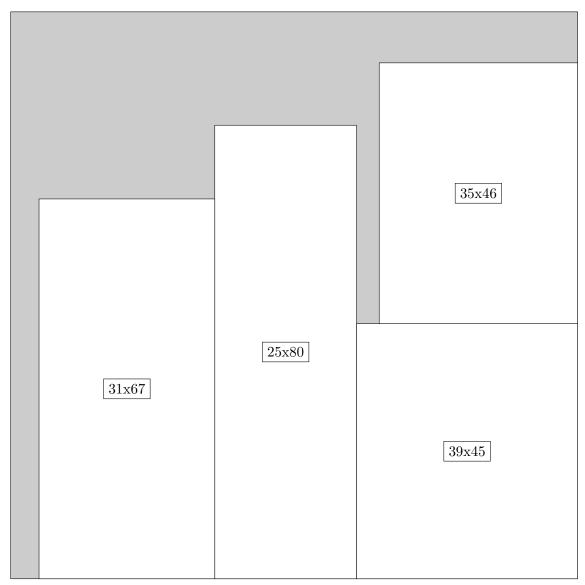
$$\begin{array}{l} w = \! 88 \; , \; h = \! 61 \; , \; x = \! 12 \; , \; y = \! 0 \; , \; v = \! 5368 \\ w = \! 76 \; , \; h = \! 28 \; , \; x = \! 24 \; , \; y = \! 61 \; , \; v = \! 2128 \end{array}$$



$$w = 84$$
,  $h = 50$ ,  $x = 16$ ,  $y = 0$ ,  $v = 4200$ 

$$w$$
 =76 , h =49 , x =24 , y =50 , v =3724

$$\le =16$$
 , h =86 , x =0 , y =0 , v =1376

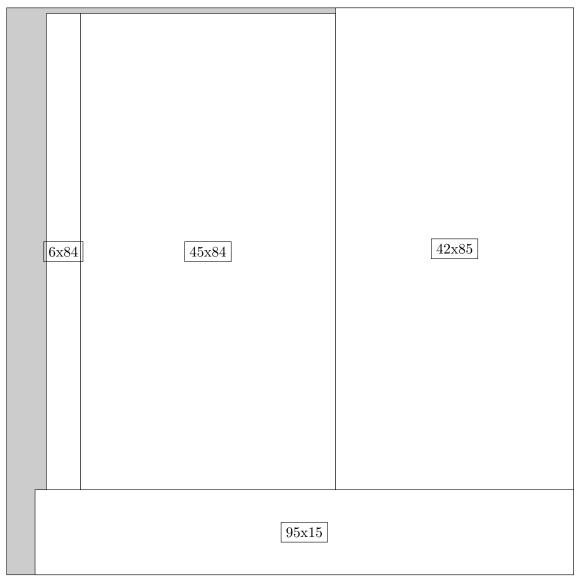


 $\le =39$  , h =45 , x =61 , y =0 , v =1755

 $\le =35$  , h =46 , x =65 , y =45 , v =1610

 $\le =25$  , h =80 , x =36 , y =0 , v =2000

 $\le 31$  , h =67 , x =5 , y =0 , v =2077

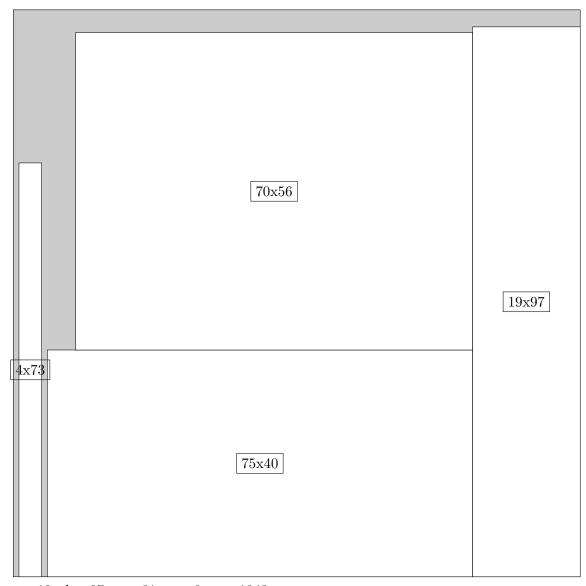


w =95 , h =15 , x =5 , y =0 , v =1425

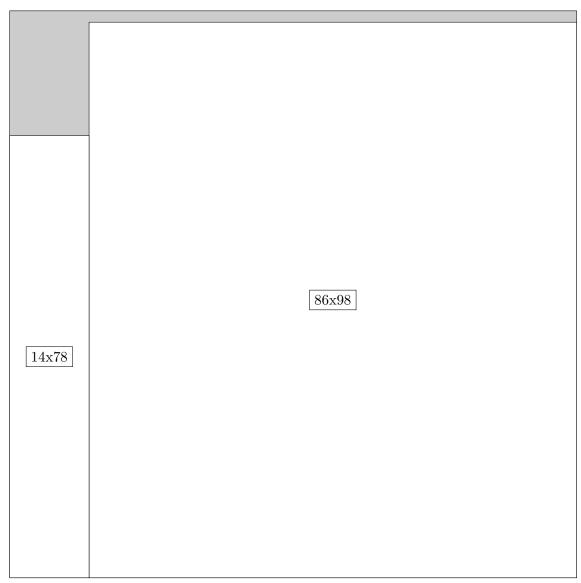
 $\le =42$  , h =85 , x =58 , y =15 , v =3570

 $\le =45$  , h =84 , x =13 , y =15 , v =3780

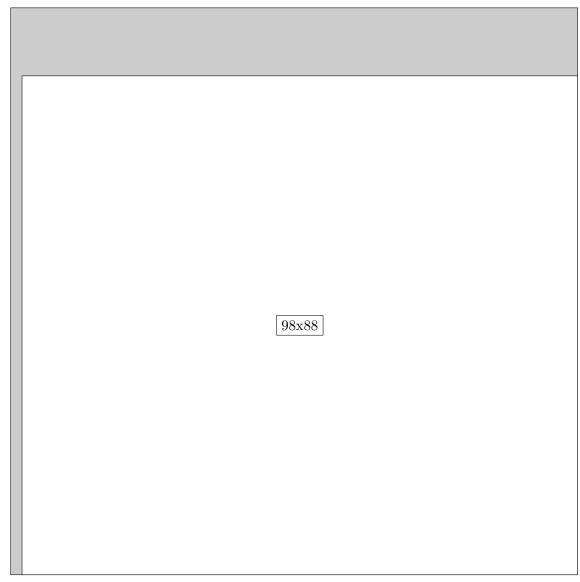
w =6 , h =84 , x =7 , y =15 , v =504



$$\begin{array}{l} w=19 \ , \ h=97 \ , \ x=81 \ , \ y=0 \ , \ v=1843 \\ w=75 \ , \ h=40 \ , \ x=6 \ , \ y=0 \ , \ v=3000 \\ w=70 \ , \ h=56 \ , \ x=11 \ , \ y=40 \ , \ v=3920 \\ w=4 \ , \ h=73 \ , \ x=1 \ , \ y=0 \ , \ v=292 \end{array}$$



$$\begin{array}{l} w = \! 86 \ , \ h = \! 98 \ , \ x = \! 14 \ , \ y = \! 0 \ , \ v = \! 8428 \\ w = \! 14 \ , \ h = \! 78 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 1092 \end{array}$$

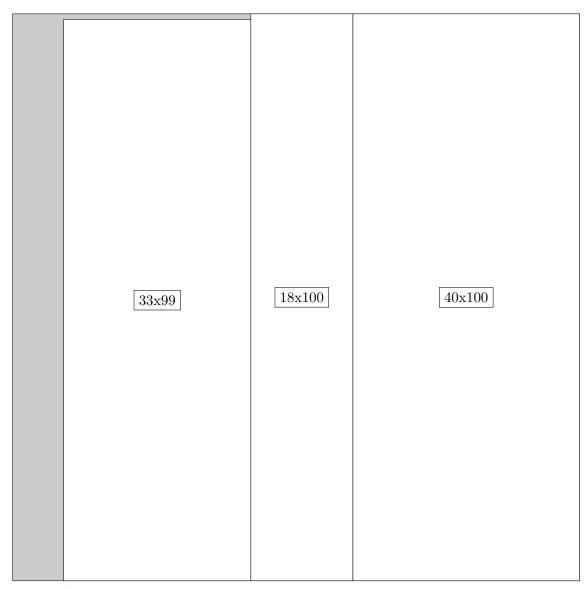


 $\le =98$  , h =88 , x =2 , y =0 , v =8624

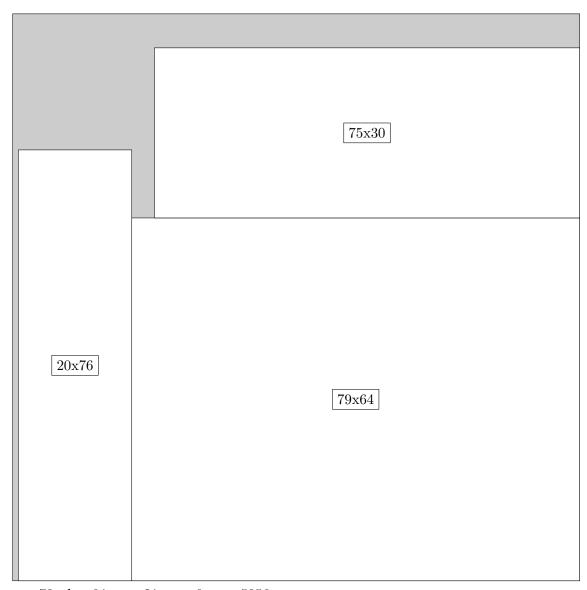


$$\mathbf{w}$$
 =14 , h =31 , x =0 , y =0 , v =434

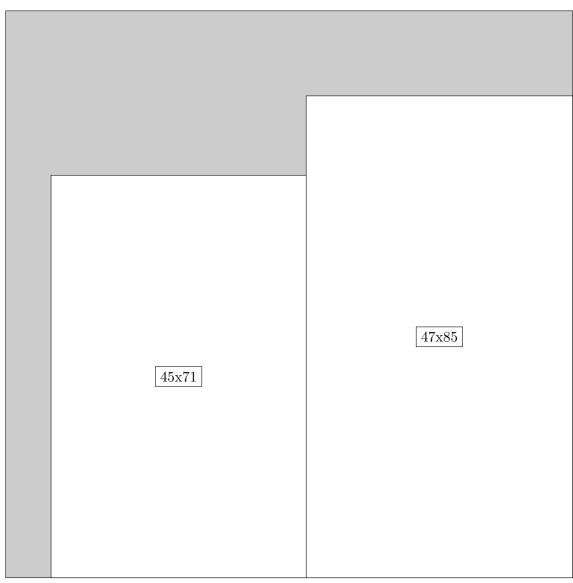
$$\le =90$$
 , h =38 , x =10 , y =62 , v =3420



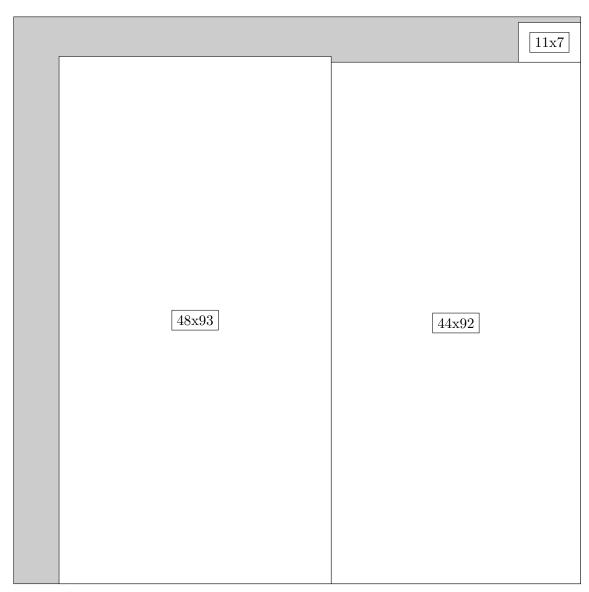
 $\begin{array}{l} w = \! 40 \ , \ h = \! 100 \ , \ x = \! 60 \ , \ y = \! 0 \ , \ v = \! 4000 \\ w = \! 18 \ , \ h = \! 100 \ , \ x = \! 42 \ , \ y = \! 0 \ , \ v = \! 1800 \\ w = \! 33 \ , \ h = \! 99 \ , \ x = \! 9 \ , \ y = \! 0 \ , \ v = \! 3267 \end{array}$ 



$$\begin{array}{l} w = 79 \ , \ h = 64 \ , \ x = 21 \ , \ y = 0 \ , \ v = 5056 \\ w = 75 \ , \ h = 30 \ , \ x = 25 \ , \ y = 64 \ , \ v = 2250 \\ w = 20 \ , \ h = 76 \ , \ x = 1 \ , \ y = 0 \ , \ v = 1520 \end{array}$$



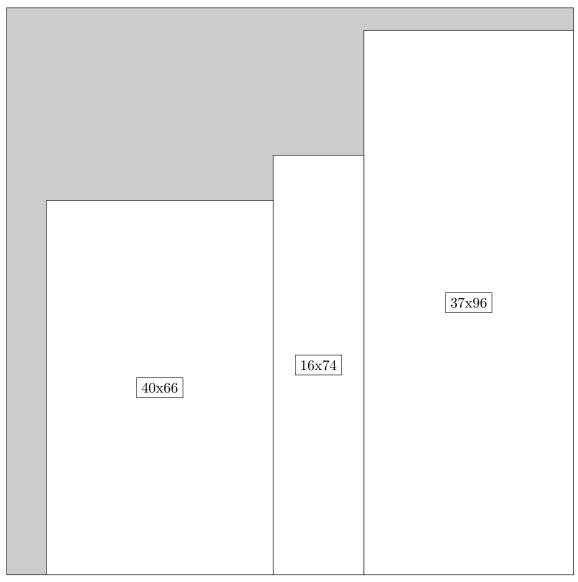
$$\begin{array}{l} w = \! 47 \; , \; h = \! 85 \; , \; x = \! 53 \; , \; y = \! 0 \; , \; v = \! 3995 \\ w = \! 45 \; , \; h = \! 71 \; , \; x = \! 8 \; , \; y = \! 0 \; , \; v = \! 3195 \end{array}$$



 $\le =44$  , h =92 , x = 56 , y =0 , v = 4048

 $\le =11$  , h =7 , x =89 , y =92 , v =77

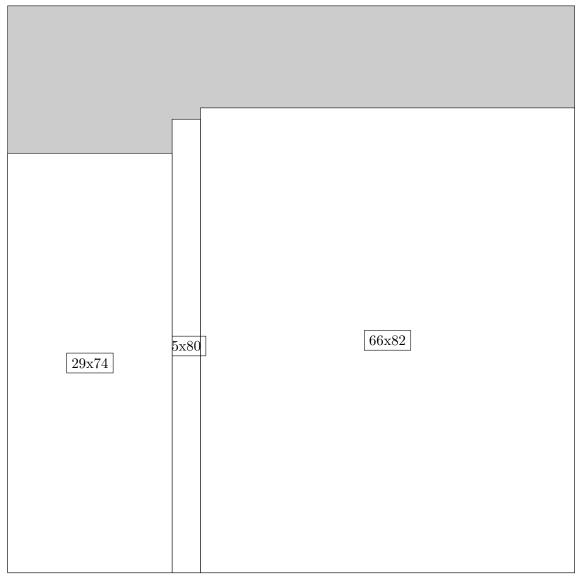
 $\le =48$  , h =93 , x =8 , y =0 , v =4464



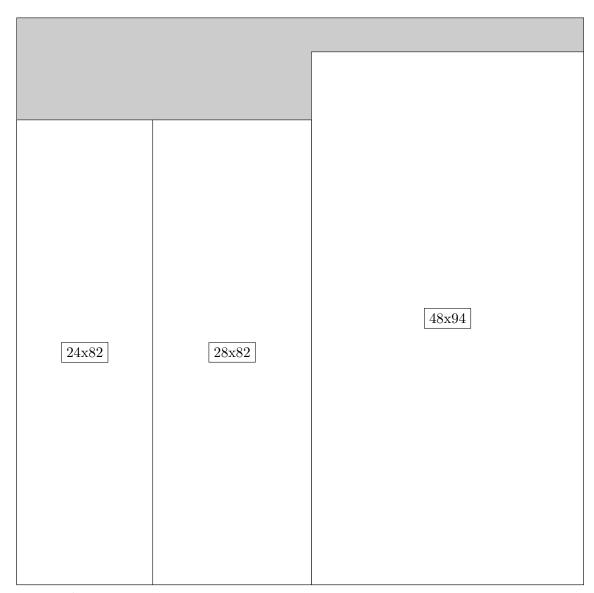
$$w = 37$$
,  $h = 96$ ,  $x = 63$ ,  $y = 0$ ,  $v = 3552$ 

$$\mathbf{w}$$
 =16 , h =74 , x =47 , y =0 , v =1184

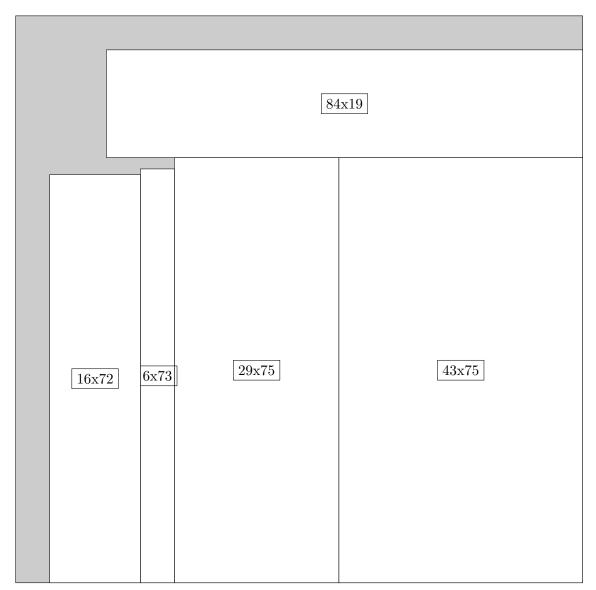
$$\le =40$$
 , h =66 , x =7 , y =0 , v =2640



 $\begin{array}{l} w = \!\!66 \ , \ h = \!\!82 \ , \ x = \!\!34 \ , \ y = \!\!0 \ , \ v = \!\!5412 \\ w = \!\!5 \ , \ h = \!\!80 \ , \ x = \!\!29 \ , \ y = \!\!0 \ , \ v = \!\!400 \\ w = \!\!29 \ , \ h = \!\!74 \ , \ x = \!\!0 \ , \ y = \!\!0 \ , \ v = \!\!2146 \end{array}$ 



 $\begin{array}{l} w = \! 48 \ , \ h = \! 94 \ , \ x = \! 52 \ , \ y = \! 0 \ , \ v = \! 4512 \\ w = \! 28 \ , \ h = \! 82 \ , \ x = \! 24 \ , \ y = \! 0 \ , \ v = \! 2296 \\ w = \! 24 \ , \ h = \! 82 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 1968 \end{array}$ 



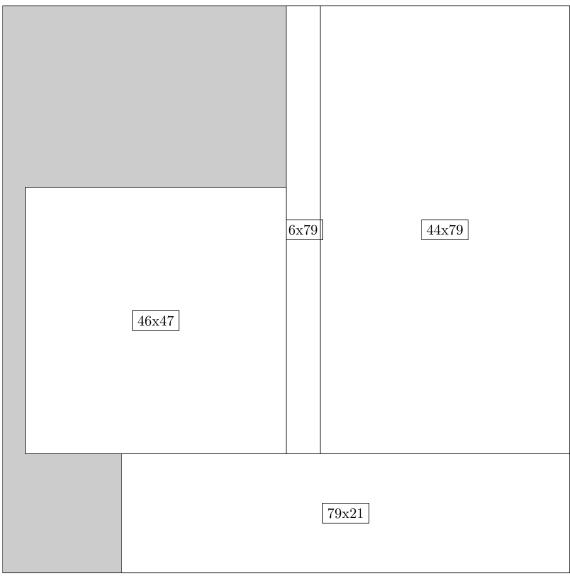
$$w = 43$$
,  $h = 75$ ,  $x = 57$ ,  $y = 0$ ,  $v = 3225$ 

$$\le =29$$
 ,  $h$  =75 ,  $x$  =28 ,  $y$  =0 ,  $v$  =2175

$$\mathbf{w}$$
 =6 , h =73 , x =22 , y =0 , v =438

$$\mathbf{w}$$
 =16 , h =72 , x =6 , y =0 , v =1152

$$\le =84$$
 ,  $h$  =19 ,  $x$  =16 ,  $y$  =75 ,  $v$  =1596



 $\begin{array}{l} w=79 \ , \ h=21 \ , \ x=21 \ , \ y=0 \ , \ v=1659 \\ w=44 \ , \ h=79 \ , \ x=56 \ , \ y=21 \ , \ v=3476 \\ w=6 \ , \ h=79 \ , \ x=50 \ , \ y=21 \ , \ v=474 \\ w=46 \ , \ h=47 \ , \ x=4 \ , \ y=21 \ , \ v=2162 \end{array}$