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

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> LB0: <u>18</u> LB: <u>18</u>

LBWithCut:  $\underline{\mathbf{19}}$ NodeCut:  $\underline{\mathbf{1}}$ 

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

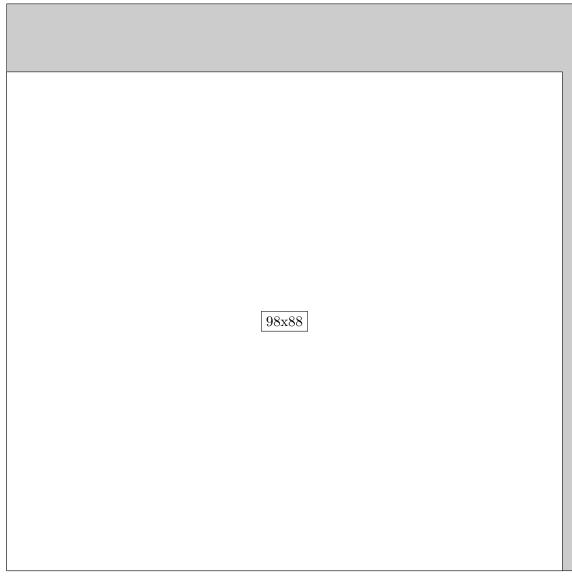
GenNodeCnt: 1
PrimalNode: 0
ColumnCount: 180
TotalCutCount: 33
RootCutCount: 33
LPSolverCnt: 163
PricingSolverCnt: 163

Branch And<br/>Bound Num:  $\underline{\mathbf{1}}$ 

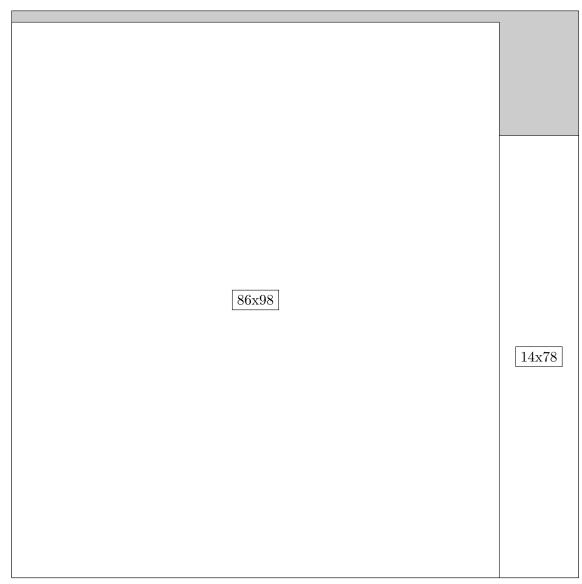
is Opt:  $\underline{\mathbf{true}}$ 

TimeOnInitSolution:  $\underline{120.010 \text{ s}}$ 

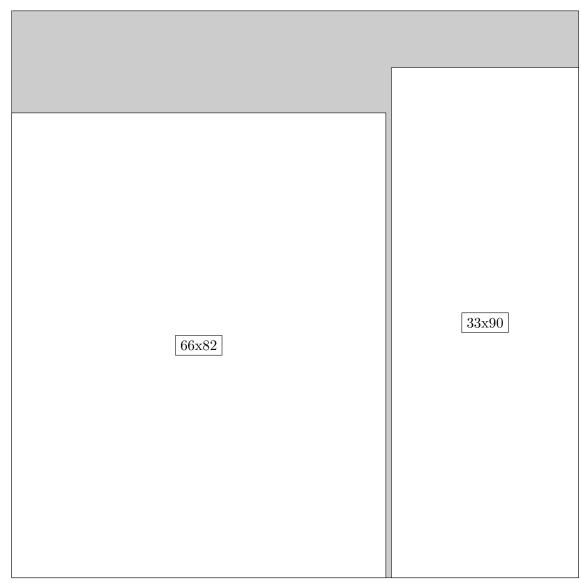
TimeOnPrimal: 0.000 sTimeOnPricing: 19.038 sTimeOnRmp: 0.149 sTotalTime: 139.401 s



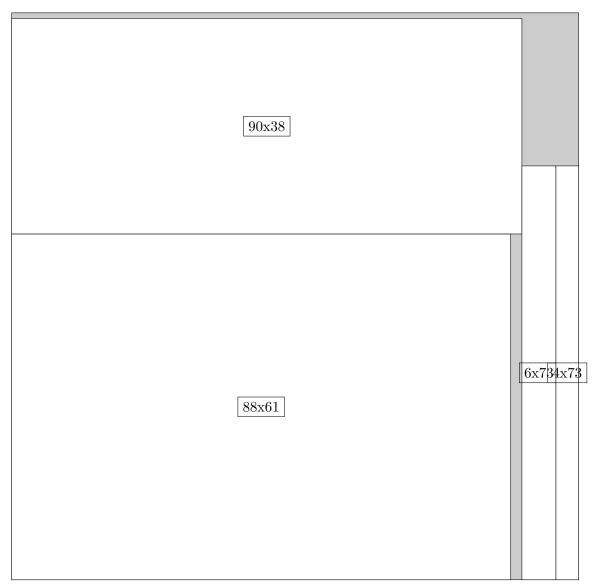
 $\le =98$  , h =88 , x =0 , y =0 , v =8624



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



$$\begin{array}{c} w = \!\!\! 66 \; , \; h = \!\!\! 82 \; , \; x = \!\!\! 0 \; , \; y = \!\!\! 0 \; , \; v = \!\!\! 5412 \\ w = \!\!\! 33 \; , \; h = \!\!\! 90 \; , \; x = \!\!\! 67 \; , \; y = \!\!\! 0 \; , \; v = \!\!\! 2970 \\ \end{array}$$

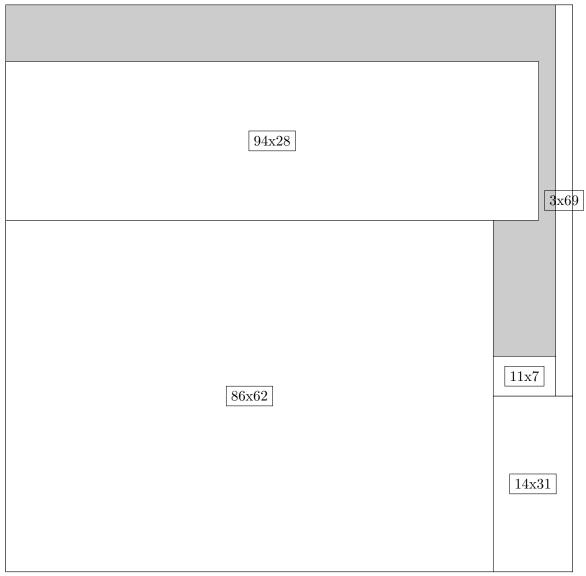


$$\le = 88$$
 ,  $h = 61$  ,  $x = 0$  ,  $y = 0$  ,  $v = 5368$ 

$$\le =90$$
 , h =38 , x =0 , y =61 , v =3420

$$\mathbf{w}$$
 =6 , h =73 , x =90 , y =0 , v =438

$$\mathbf{w}$$
 =4 , h =73 , x =96 , y =0 , v =292



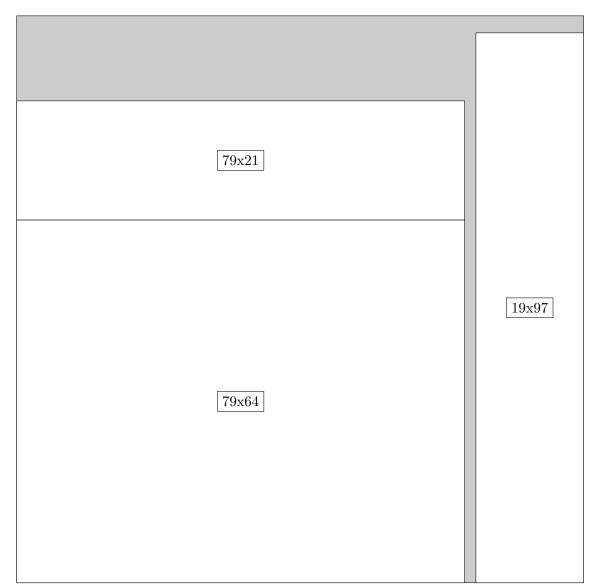
$$\le =86$$
 ,  $h=62$  ,  $x=0$  ,  $y=0$  ,  $v=5332$ 

$$w = 94$$
,  $h = 28$ ,  $x = 0$ ,  $y = 62$ ,  $v = 2632$ 

$$w=\!14$$
 ,  $h=\!31$  ,  $x=\!86$  ,  $y=\!0$  ,  $v=\!434$ 

$$w$$
 =3 , h =69 , x =97 , y =31 , v =207

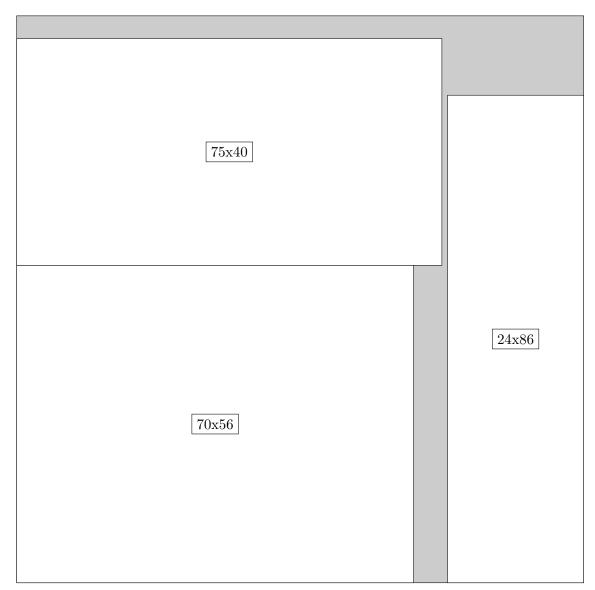
$$\le =11$$
 ,  $h$  =7 ,  $x$  =86 ,  $y$  =31 ,  $v$  =77



$$\le =79$$
 , h =64 , x =0 , y =0 , v =5056

$$w$$
 =19 ,  $h$  =97 ,  $x$  =81 ,  $y$  =0 ,  $v$  =1843

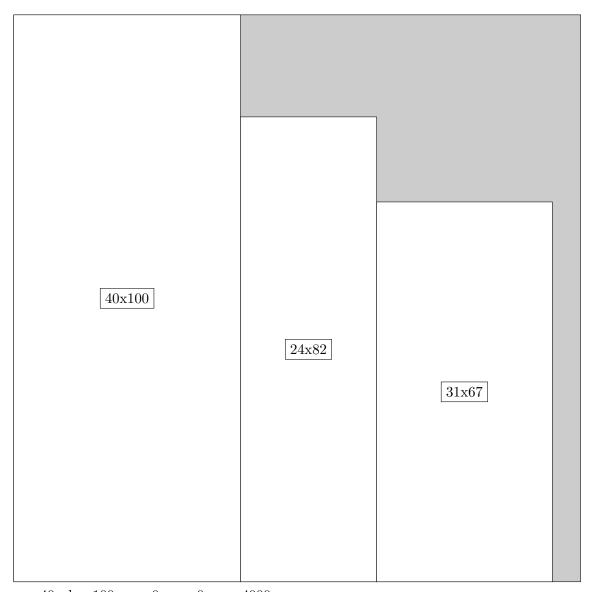
$$\mathbf{w}$$
 =79 , h =21 , x =0 , y =64 , v =1659



$$\mathbf{w}$$
 =70 , h =56 , x =0 , y =0 , v =3920

$$\le =75$$
 , h =40 , x =0 , y =  
56 , v =3000

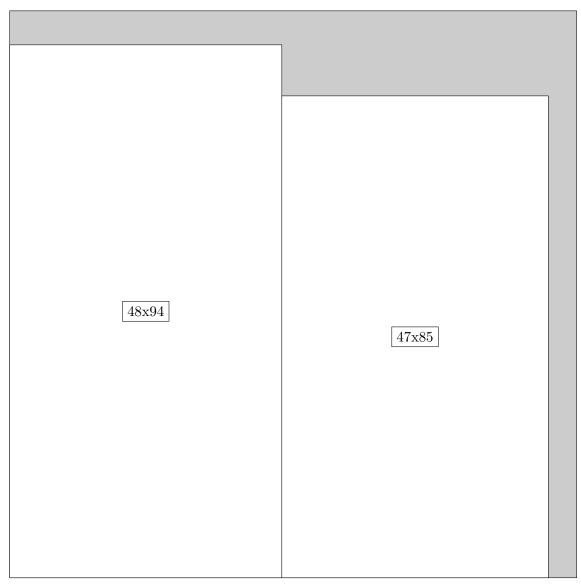
$$\le =24$$
 , h =86 , x =76 , y =0 , v =2064

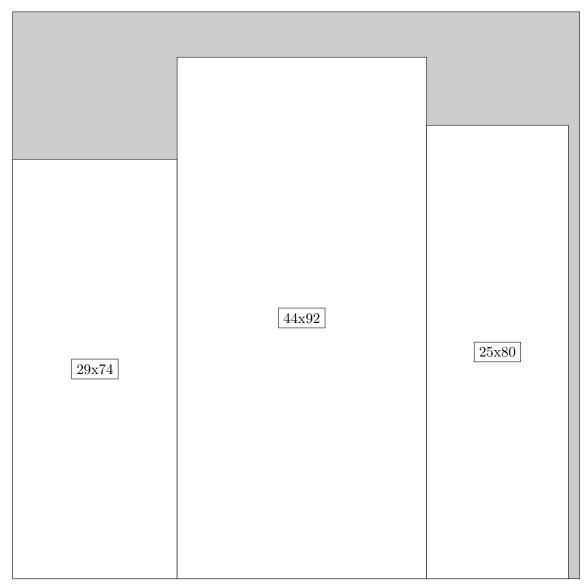


 $\mathbf{w}$  =40 , h =100 , x =0 , y =0 , v =4000

 $\le =31$  , h=67 , x=64 , y=0 , v=2077

 $\le =24$  , h =82 , x =40 , y =0 , v =1968

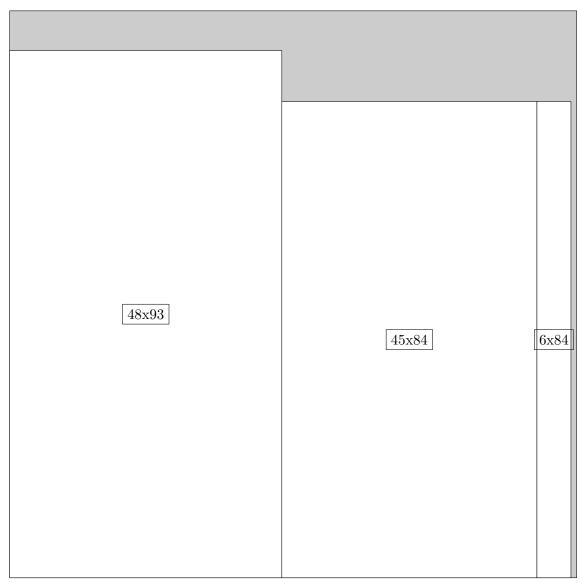




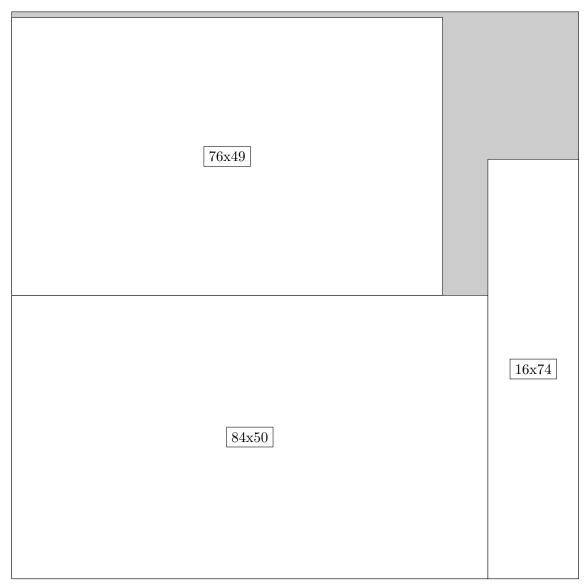
$$w$$
 =29 ,  $h$  =74 ,  $x$  =0 ,  $y$  =0 ,  $v$  =2146

$$\le =44$$
 , h =92 , x =29 , y =0 , v =4048

$$\le =25$$
 , h =80 , x =73 , y =0 , v =2000



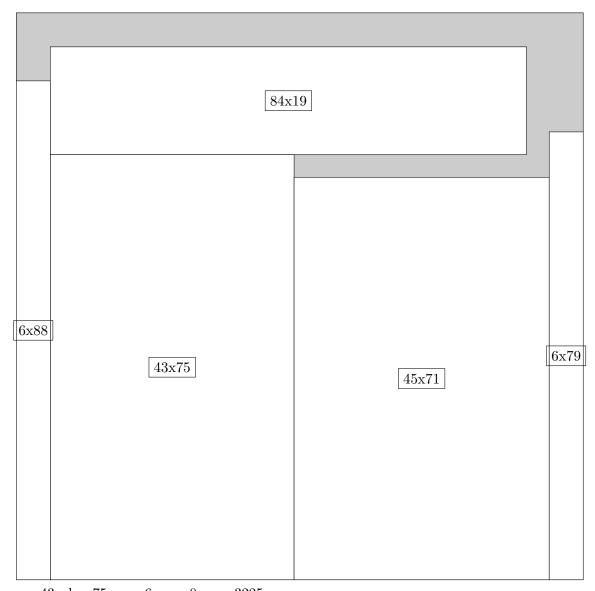
 $\begin{array}{l} w = \!\! 48 \ , \ h = \!\! 93 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 4464 \\ w = \!\! 45 \ , \ h = \!\! 84 \ , \ x = \!\! 48 \ , \ y = \!\! 0 \ , \ v = \!\! 3780 \\ w = \!\! 6 \ , \ h = \!\! 84 \ , \ x = \!\! 93 \ , \ y = \!\! 0 \ , \ v = \!\! 504 \end{array}$ 



$$w = \! 84 \; , \; h = \! 50 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 4200$$

$$w$$
 =76 ,  $h$  =49 ,  $x$  =0 ,  $y$  =50 ,  $v$  =3724

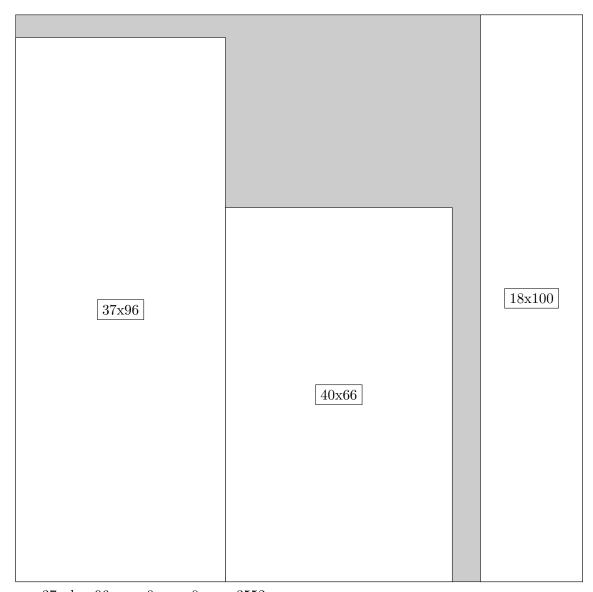
$$\le =16$$
 ,  $h=74$  ,  $x=84$  ,  $y=0$  ,  $v=1184$ 



$$w$$
 =84 , h =19 , x =6 , y =75 , v =1596

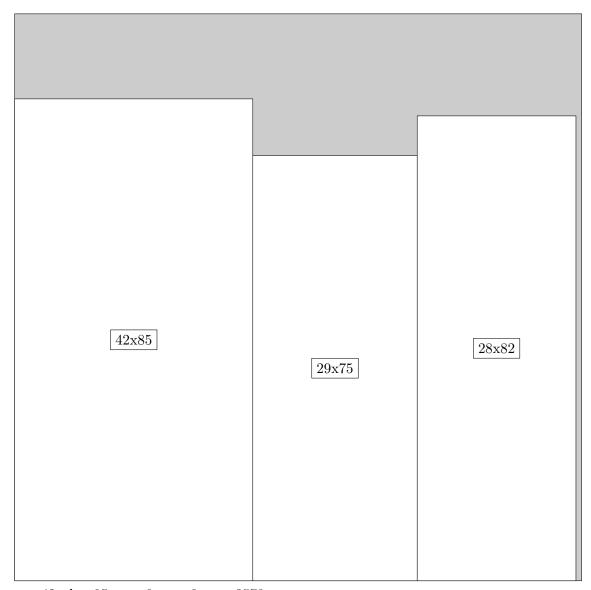
$$\mathbf{w}$$
 =6 , h =88 , x =0 , y =0 , v =528

$$\mathbf{w}$$
 =6 , h =79 , x =94 , y =0 , v =474

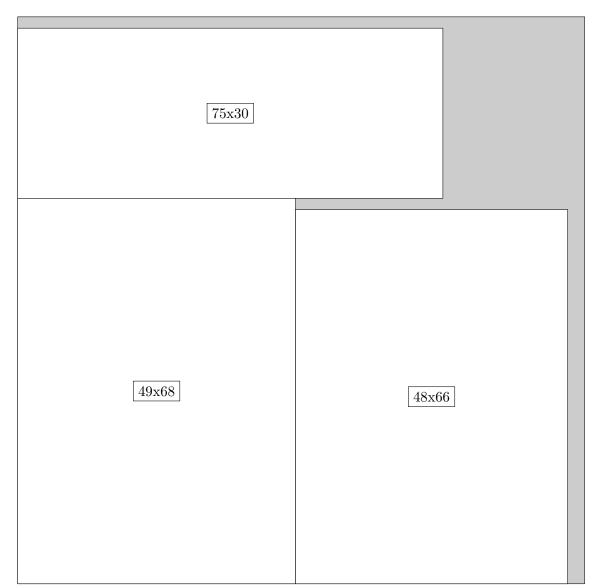


 $\begin{array}{l} w = \!\! 37 \ , \ h = \!\! 96 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 3552 \\ w = \!\! 40 \ , \ h = \!\! 66 \ , \ x = \!\! 37 \ , \ y = \!\! 0 \ , \ v = \!\! 2640 \end{array}$ 

 $\mathbf{w}$  =18 ,  $\mathbf{h}$  =100 ,  $\mathbf{x}$  =82 ,  $\mathbf{y}$  =0 ,  $\mathbf{v}$  =1800



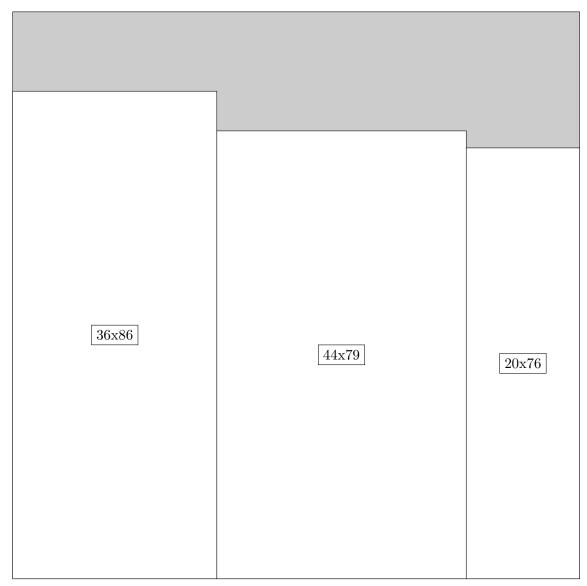
$$\begin{array}{l} w = \!\! 42 \ , \ h = \!\! 85 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 3570 \\ w = \!\! 29 \ , \ h = \!\! 75 \ , \ x = \!\! 42 \ , \ y = \!\! 0 \ , \ v = \!\! 2175 \\ w = \!\! 28 \ , \ h = \!\! 82 \ , \ x = \!\! 71 \ , \ y = \!\! 0 \ , \ v = \!\! 2296 \end{array}$$



$$\le =49$$
 , h =68 , x =0 , y =0 , v =3332

$$\le =48$$
 ,  $h=66$  ,  $x=49$  ,  $y=0$  ,  $v=3168$ 

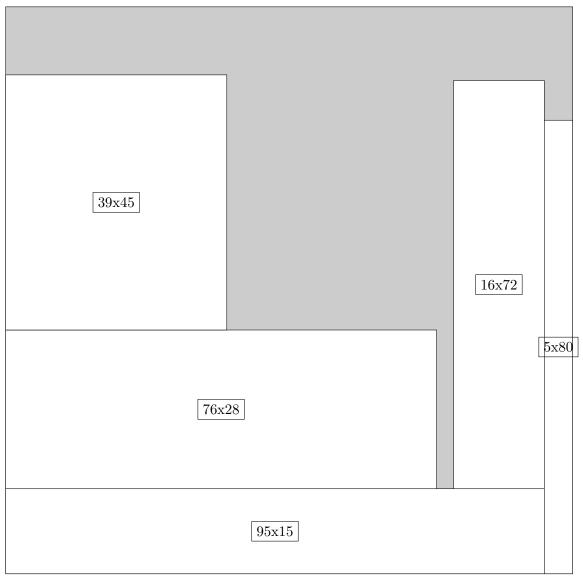
$$\le =75$$
 , h =30 , x =0 , y =68 , v =2250



$$w = 44$$
 ,  $h = 79$  ,  $x = 36$  ,  $y = 0$  ,  $v = 3476$ 

$$\le =36$$
 , h =86 , x =0 , y =0 , v =3096

$$\le =20$$
 , h =76 , x =80 , y =0 , v =1520



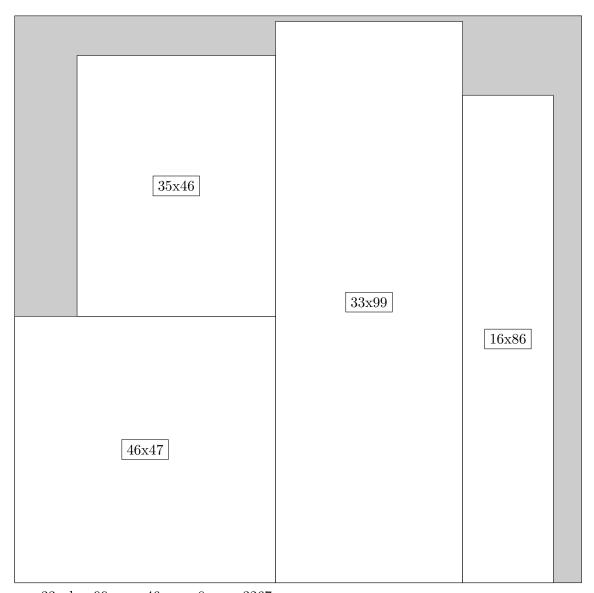
$$\mathbf{w}$$
 =95 , h =15 , x =0 , y =0 , v =1425

$$\le -76$$
 , h =  
28 , x =  
0 , y =  
15 , v =  
2128

$$\le =39$$
 , h =45 , x =0 , y =43 , v =1755

$$\mathbf{w}$$
 =16 , h =72 , x =79 , y =15 , v =1152

$$w=\!5$$
 ,  $h=\!80$  ,  $x=\!95$  ,  $y=\!0$  ,  $v=\!400$ 



$$\le =33$$
 , h =99 , x =46 , y =0 , v =3267

$$\mathbf{w}$$
 =46 , h =47 , x =0 , y =0 , v =2162

$$\le =35$$
 , h =46 , x =11 , y =47 , v =1610

$$\mathbf{w}$$
 =16 , h =86 , x =79 , y =0 , v =1376