$ClassName: \ Class\_07.2bp-37$ 

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

TypeNum: <u>80</u> Num: <u>80</u> OutS: <u>230000</u> InS: <u>188955</u> Rate: <u>0.822</u> UB: <u>23</u> LB0: <u>23</u>

LBWithCut:  $\underline{\mathbf{23}}$  NodeCut:  $\underline{\mathbf{0}}$ 

LB: **23** 

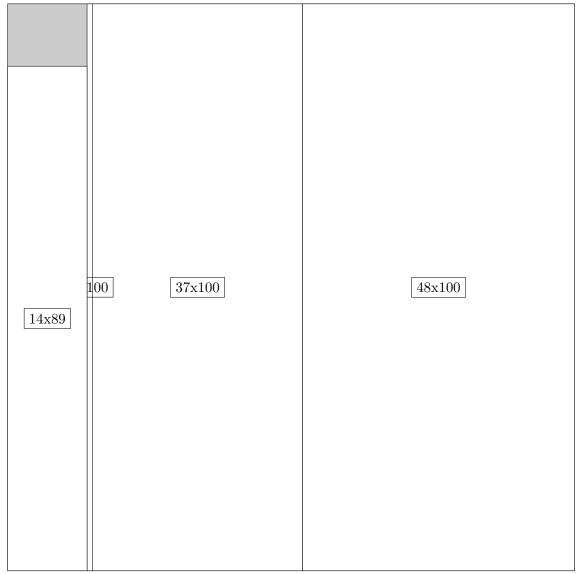
ExtendedNodeCnt:  $\underline{\mathbf{1}}$ 

GenNodeCnt:  $\underline{\mathbf{1}}$ PrimalNode:  $\underline{\mathbf{0}}$ ColumnCount:  $\underline{\mathbf{23}}$ TotalCutCount:  $\underline{\mathbf{0}}$ RootCutCount:  $\underline{\mathbf{0}}$ LPSolverCnt:  $\underline{\mathbf{1}}$ PricingSolverCnt:  $\underline{\mathbf{0}}$ BranchAndBoundNum:  $\underline{\mathbf{1}}$ 

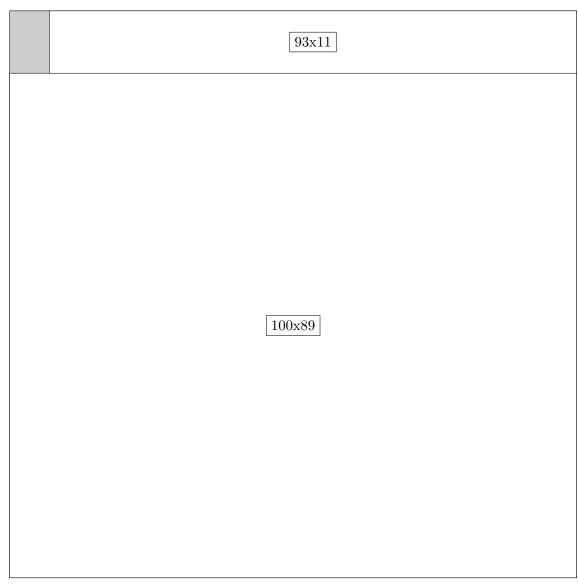
isOpt:  $\underline{\mathbf{true}}$ 

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

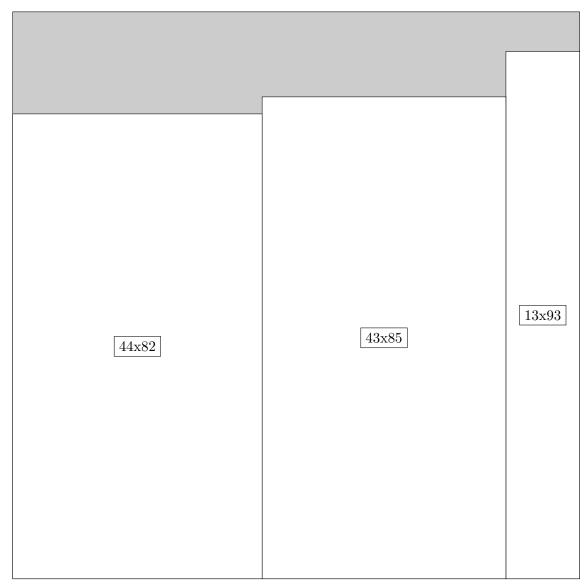
TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.071 sTotalTime: 600.340 s



 $\begin{array}{l} w = \!\! 48 \ , \ h = \!\! 100 \ , \ x = \!\! 52 \ , \ y = \!\! 0 \ , \ v = \!\! 4800 \\ w = \!\! 37 \ , \ h = \!\! 100 \ , \ x = \!\! 15 \ , \ y = \!\! 0 \ , \ v = \!\! 3700 \\ w = \!\! 1 \ , \ h = \!\! 100 \ , \ x = \!\! 14 \ , \ y = \!\! 0 \ , \ v = \!\! 100 \\ w = \!\! 14 \ , \ h = \!\! 89 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 1246 \end{array}$ 



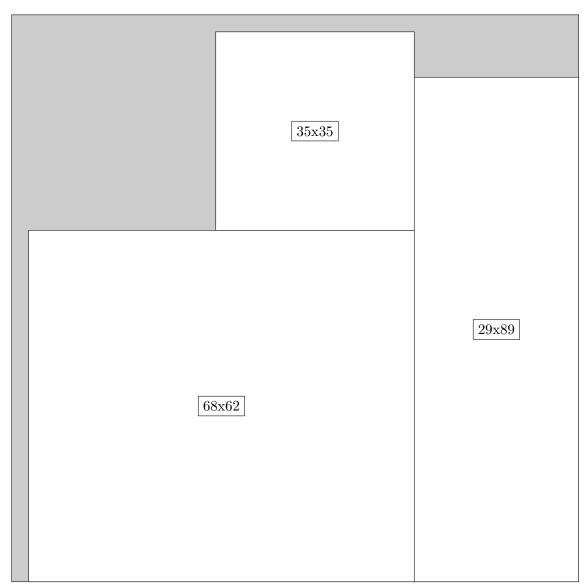
$$\begin{array}{c} w = \! 100 \; , \; h = \! 89 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 8900 \\ w = \! 93 \; , \; h = \! 11 \; , \; x = \! 7 \; , \; y = \! 89 \; , \; v = \! 1023 \\ \end{array}$$



$$w = 13$$
,  $h = 93$ ,  $x = 87$ ,  $y = 0$ ,  $v = 1209$ 

$$\le =43$$
 , h =85 , x =44 , y =0 , v =3655

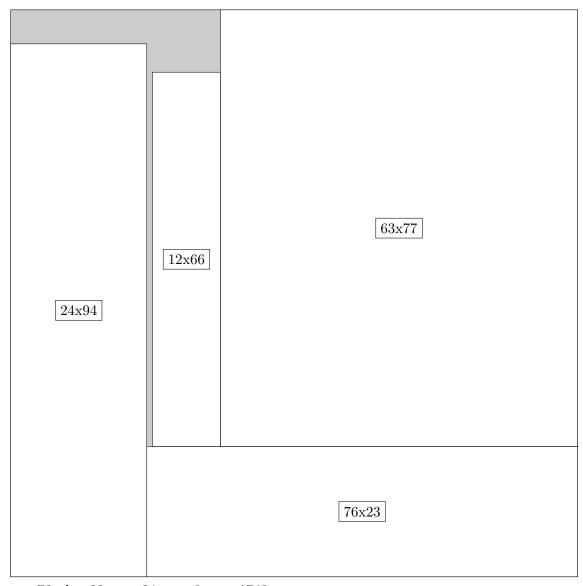
$$\le =44$$
 , h =82 , x =0 , y =0 , v =3608



$$\le =29$$
 , h =89 , x =71 , y =0 , v =2581

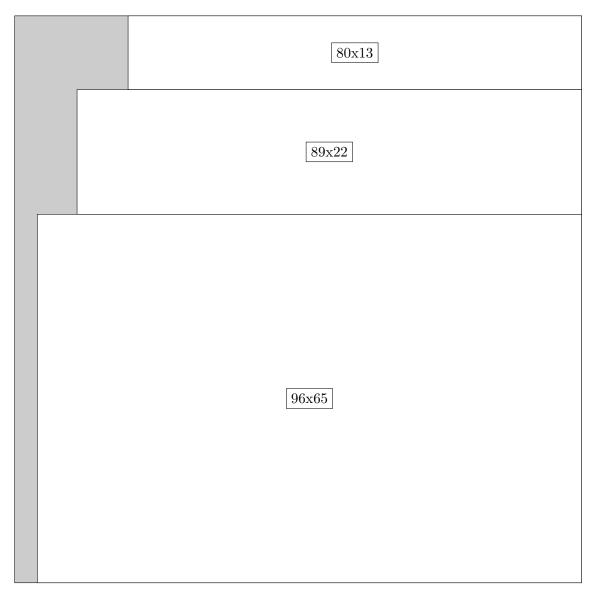
$$\le =68$$
 , h =62 , x =3 , y =0 , v =4216

$$\le =35$$
 , h =35 , x =36 , y =62 , v =1225



$$\le =12$$
 ,  $h=66$  ,  $x=25$  ,  $y=23$  ,  $v=792$ 

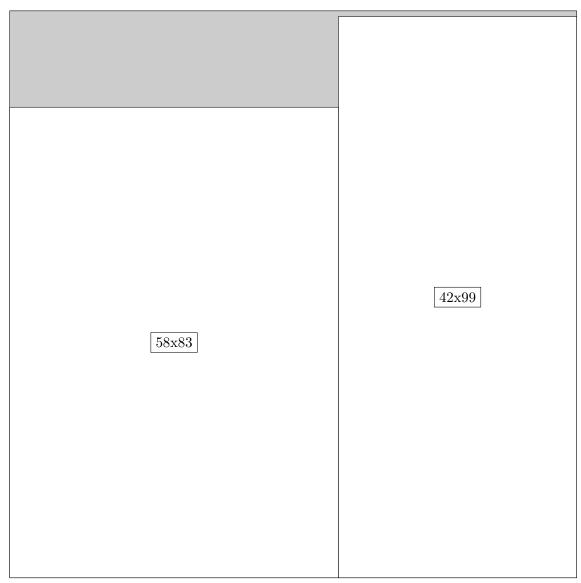
$$\le =24$$
 , h =94 , x =0 , y =0 , v =2256



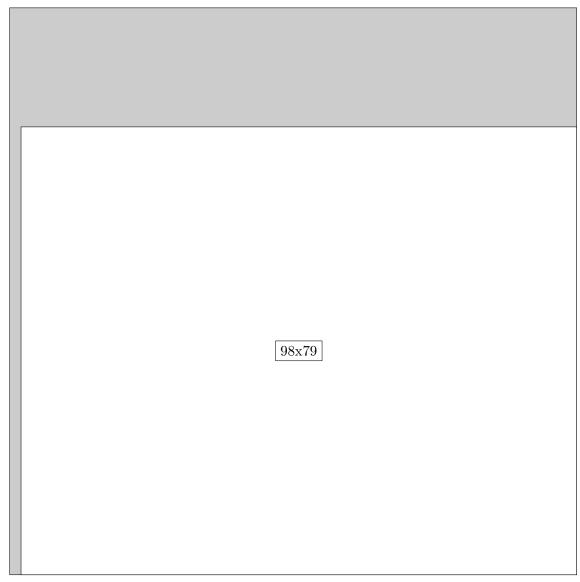
$$w = 96$$
,  $h = 65$ ,  $x = 4$ ,  $y = 0$ ,  $v = 6240$ 

$$\le =89$$
 , h =22 , x =11 , y =65 , v =1958

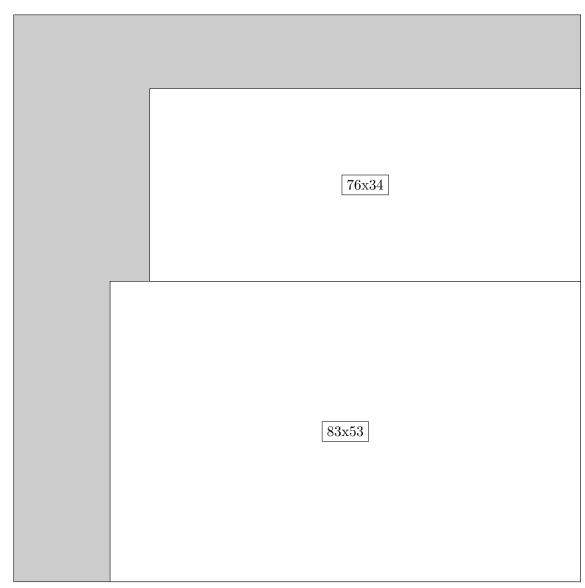
$$\le =80$$
 , h =13 , x =20 , y =87 , v =1040



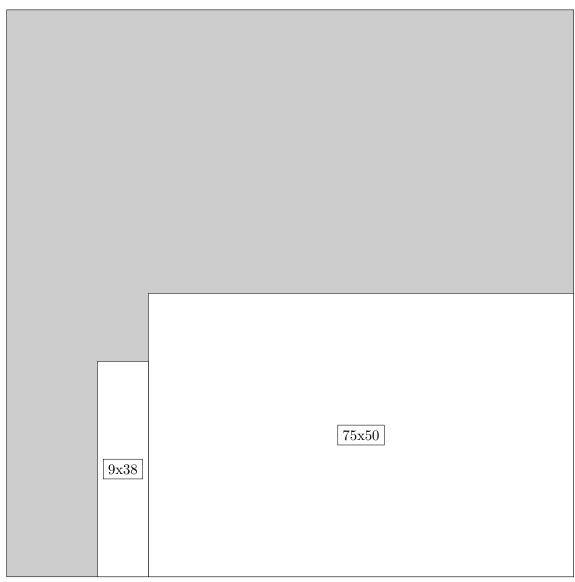
 $\begin{array}{l} w = \!\! 42 \ , \ h = \!\! 99 \ , \ x = \!\! 58 \ , \ y = \!\! 0 \ , \ v = \!\! 4158 \\ w = \!\! 58 \ , \ h = \!\! 83 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 4814 \end{array}$ 



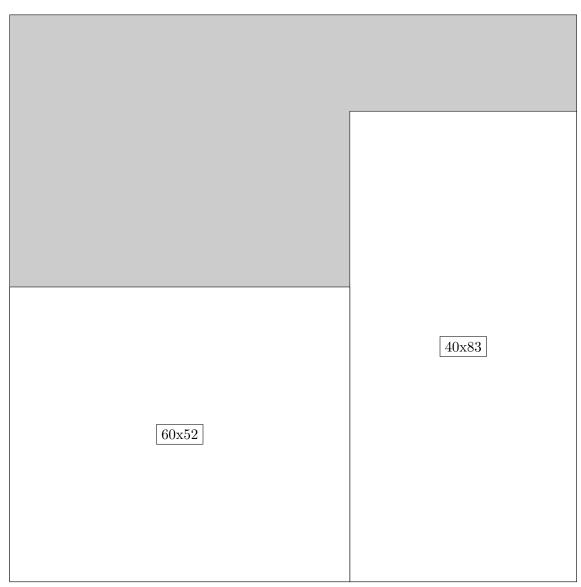
 $\le =98$  , h =79 , x =2 , y =0 , v =7742



$$\begin{array}{l} w = \! 83 \ , \, h = \! 53 \ , \, x = \! 17 \ , \, y = \! 0 \ , \, v = \! 4399 \\ w = \! 76 \ , \, h = \! 34 \ , \, x = \! 24 \ , \, y = \! 53 \ , \, v = \! 2584 \end{array}$$



w =75 , h =50 , x =25 , y =0 , v =3750 w =9 , h =38 , x =16 , y =0 , v =342



$$\begin{array}{l} w = \! 40 \ , \ h = \! 83 \ , \ x = \! 60 \ , \ y = \! 0 \ , \ v = \! 3320 \\ w = \! 60 \ , \ h = \! 52 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 3120 \end{array}$$

42x20	[37x25]
50x $76$	50x75

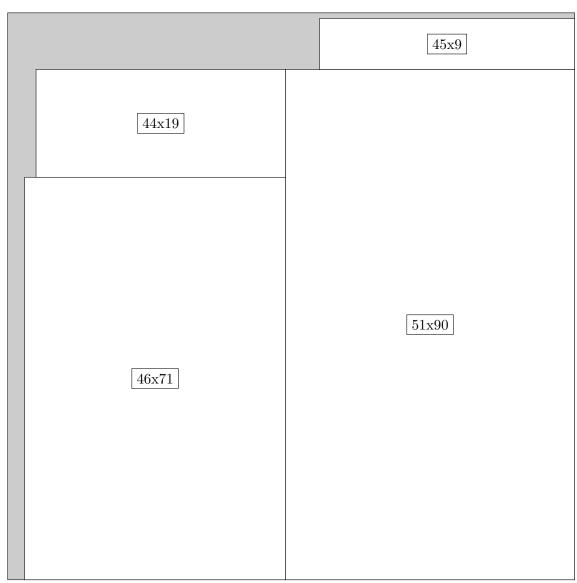
$$w = 50$$
,  $h = 75$ ,  $x = 50$ ,  $y = 0$ ,  $v = 3750$ 

$$\le =37$$
 , h =25 , x =63 , y =75 , v =925

$$w=\!12$$
 ,  $h=\!18$  ,  $x=\!51$  ,  $y=\!75$  ,  $v=\!216$ 

$$\mathbf{w}$$
 =50 , h =76 , x =0 , y =0 , v =3800

$$\le =42$$
 , h =20 , x =8 , y =76 , v =840

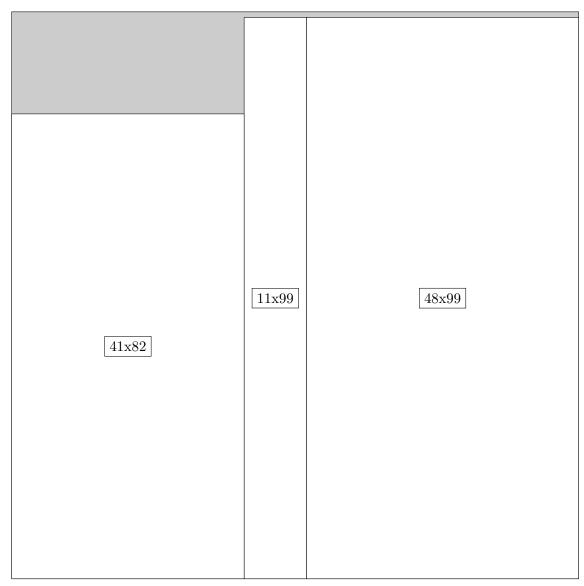


$$\le =51$$
 ,  $\le =90$  ,  $\ge =49$  , y =0 , v =4590

$$\le =46$$
 , h =71 , x =3 , y =0 , v =3266

$$\le =44$$
 , h =19 , x =5 , y =71 , v =836

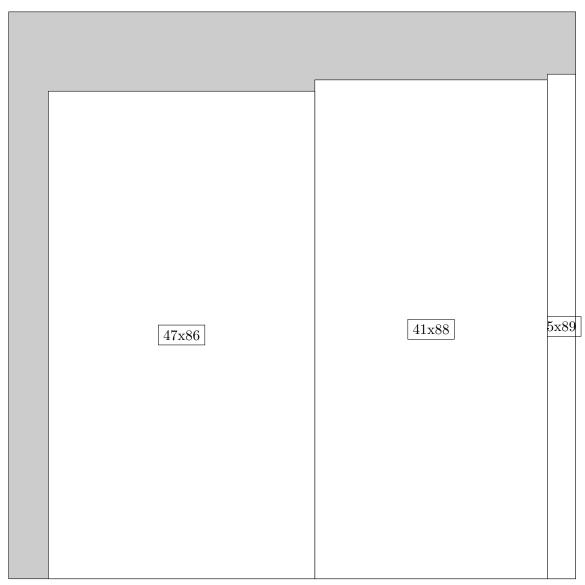
$$\mathbf{w}$$
 =45 , h =9 , x =55 , y =90 , v =405



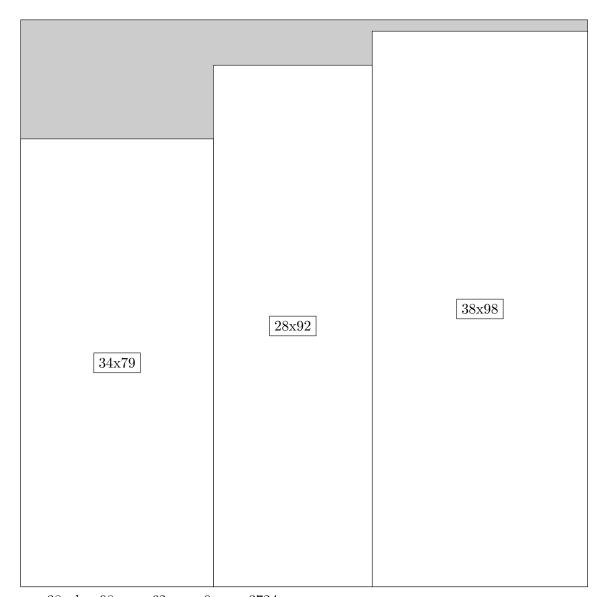
w = 48, h = 99, x = 52, y = 0, v = 4752

w =11 , h =99 , x =41 , y =0 , v =1089

 $\le =41$  , h =82 , x =0 , y =0 , v =3362



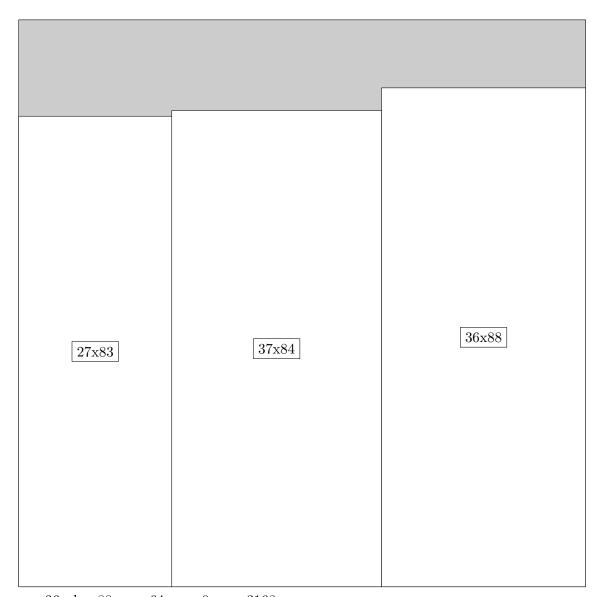
 $\begin{array}{l} w=5 \ , \ h=\!89 \ , \ x=\!95 \ , \ y=\!0 \ , \ v=\!445 \\ w=\!41 \ , \ h=\!88 \ , \ x=\!54 \ , \ y=\!0 \ , \ v=\!3608 \\ w=\!47 \ , \ h=\!86 \ , \ x=\!7 \ , \ y=\!0 \ , \ v=\!4042 \end{array}$ 



$$\begin{array}{l} w = \! 38 \ , \ h = \! 98 \ , \ x = \! 62 \ , \ y = \! 0 \ , \ v = \! 3724 \\ w = \! 28 \ , \ h = \! 92 \ , \ x = \! 34 \ , \ y = \! 0 \ , \ v = \! 2576 \end{array}$$

$$W = 28$$
,  $h = 92$ ,  $x = 34$ ,  $y = 0$ ,  $v = 2576$ 

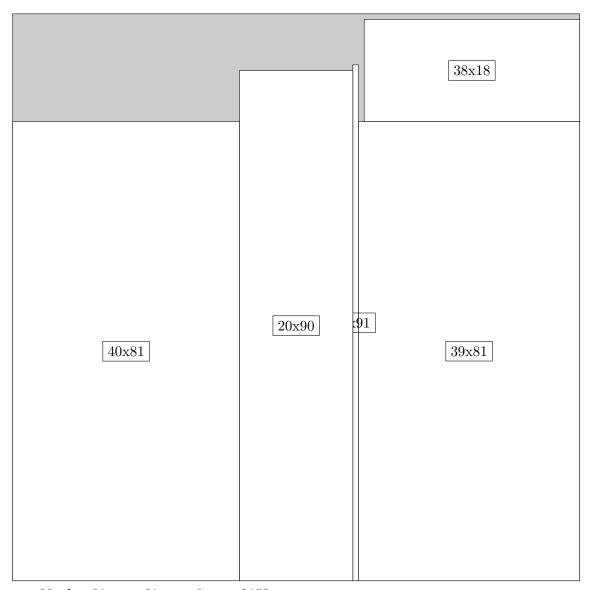
$$\le =34$$
 , h =79 , x =0 , y =0 , v =2686



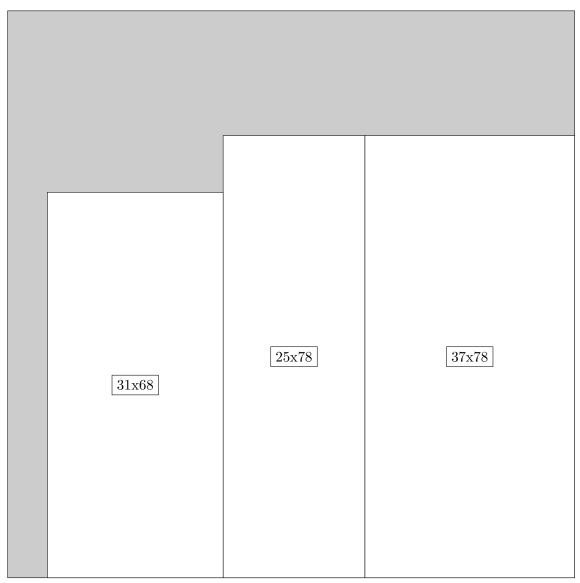
 $\le =36$  ,  $\le =88$  ,  $\ge =64$  , y =0 , v =3168

w =37 , h =84 , x =27 , y =0 , v =3108

 $\le =27$  , h =83 , x =0 , y =0 , v =2241



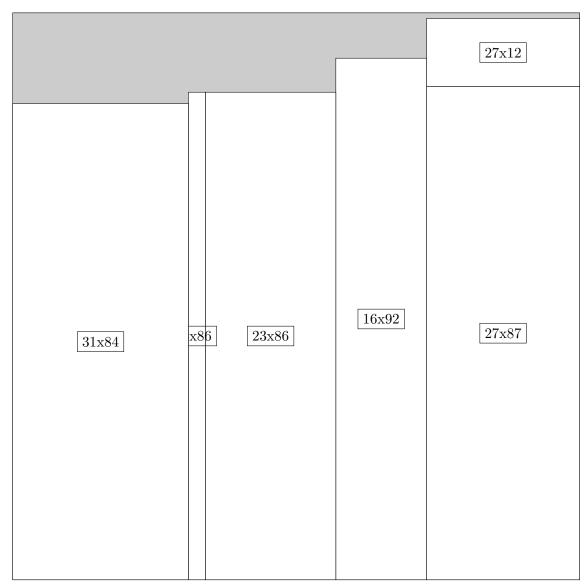
 $\begin{array}{l} w = & 39 \ , \ h = & 81 \ , \ x = & 61 \ , \ y = & 0 \ , \ v = & 3159 \\ w = & 38 \ , \ h = & 18 \ , \ x = & 62 \ , \ y = & 81 \ , \ v = & 684 \\ w = & 1 \ , \ h = & 91 \ , \ x = & 60 \ , \ y = & 0 \ , \ v = & 91 \\ w = & 20 \ , \ h = & 90 \ , \ x = & 40 \ , \ y = & 0 \ , \ v = & 1800 \\ w = & 40 \ , \ h = & 81 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 3240 \end{array}$ 



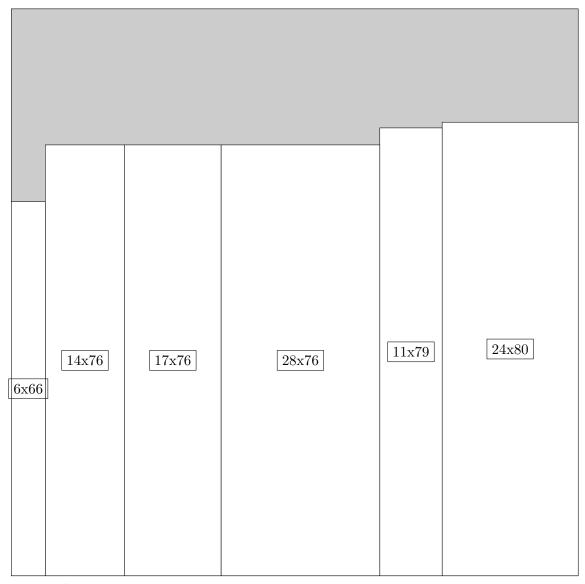
$$w = 37$$
,  $h = 78$ ,  $x = 63$ ,  $y = 0$ ,  $v = 2886$ 

$$\mathbf{w}$$
 =25 , h =78 , x =38 , y =0 , v =1950

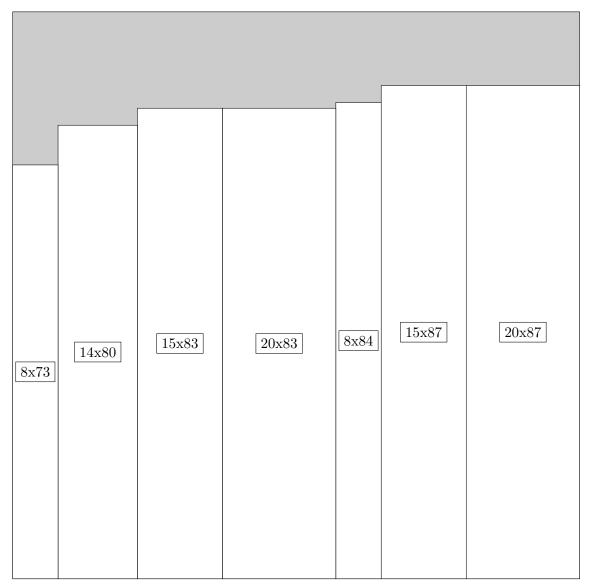
$$\le =31$$
 , h =68 , x =7 , y =0 , v =2108



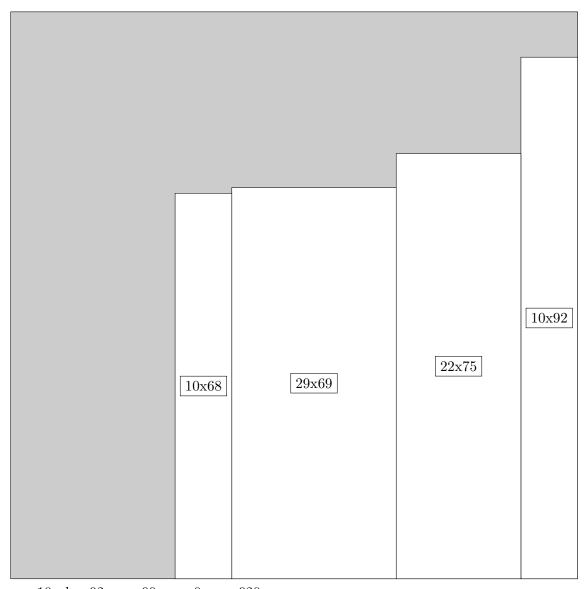
$$\begin{array}{l} w=27 \;,\; h=87 \;,\; x=73 \;,\; y=0 \;,\; v=2349 \\ w=27 \;,\; h=12 \;,\; x=73 \;,\; y=87 \;,\; v=324 \\ w=16 \;,\; h=92 \;,\; x=57 \;,\; y=0 \;,\; v=1472 \\ w=23 \;,\; h=86 \;,\; x=34 \;,\; y=0 \;,\; v=1978 \\ w=3 \;,\; h=86 \;,\; x=31 \;,\; y=0 \;,\; v=258 \\ w=31 \;,\; h=84 \;,\; x=0 \;,\; y=0 \;,\; v=2604 \end{array}$$



$$\begin{array}{l} w=24\;,\; h=\!80\;,\; x=\!76\;,\; y=\!0\;,\; v=\!1920\\ w=\!11\;,\; h=\!79\;,\; x=\!65\;,\; y=\!0\;,\; v=\!869\\ w=\!28\;,\; h=\!76\;,\; x=\!37\;,\; y=\!0\;,\; v=\!2128\\ w=\!17\;,\; h=\!76\;,\; x=\!20\;,\; y=\!0\;,\; v=\!1292\\ w=\!14\;,\; h=\!76\;,\; x=\!6\;,\; y=\!0\;,\; v=\!1064\\ w=\!6\;,\; h=\!66\;,\; x=\!0\;,\; y=\!0\;,\; v=\!396 \end{array}$$



 $\begin{array}{l} w=20 \ , \ h=87 \ , \ x=80 \ , \ y=0 \ , \ v=1740 \\ w=15 \ , \ h=87 \ , \ x=65 \ , \ y=0 \ , \ v=1305 \\ w=8 \ , \ h=84 \ , \ x=57 \ , \ y=0 \ , \ v=672 \\ w=20 \ , \ h=83 \ , \ x=37 \ , \ y=0 \ , \ v=1660 \\ w=15 \ , \ h=83 \ , \ x=22 \ , \ y=0 \ , \ v=1245 \\ w=14 \ , \ h=80 \ , \ x=8 \ , \ y=0 \ , \ v=1120 \\ w=8 \ , \ h=73 \ , \ x=0 \ , \ y=0 \ , \ v=584 \end{array}$ 



 $\begin{array}{l} w = & 10 \ , \ h = & 92 \ , \ x = & 90 \ , \ y = & 0 \ , \ v = & 920 \\ w = & 22 \ , \ h = & 75 \ , \ x = & 68 \ , \ y = & 0 \ , \ v = & 1650 \end{array}$ 

 $\le =29$  , h =69 , x =39 , y =0 , v =2001

w = 10, h = 68, x = 29, y = 0, v = 680