${\bf ClassName:}~{\bf Class_05.2bp\text{-}31}$

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

TypeNum: <u>80</u> Num: <u>80</u> OutS: <u>230000</u> InS: <u>200789</u> Rate: <u>0.873</u> UB: <u>23</u> LB0: <u>23</u>

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

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

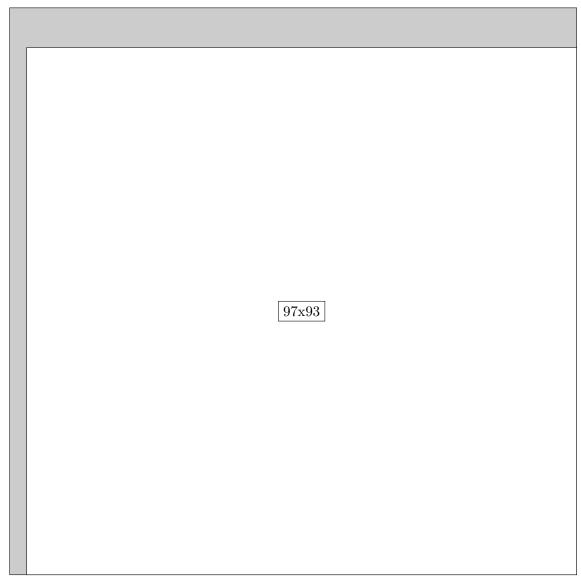
isOpt: $\underline{\mathbf{true}}$

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

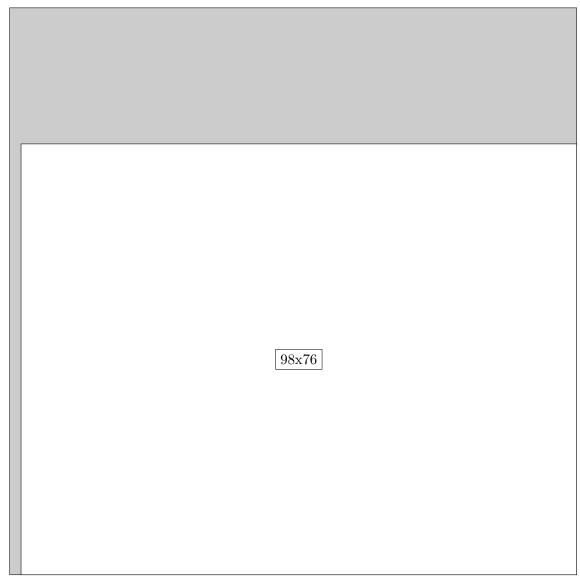
TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.062 sTotalTime: 600.328 s



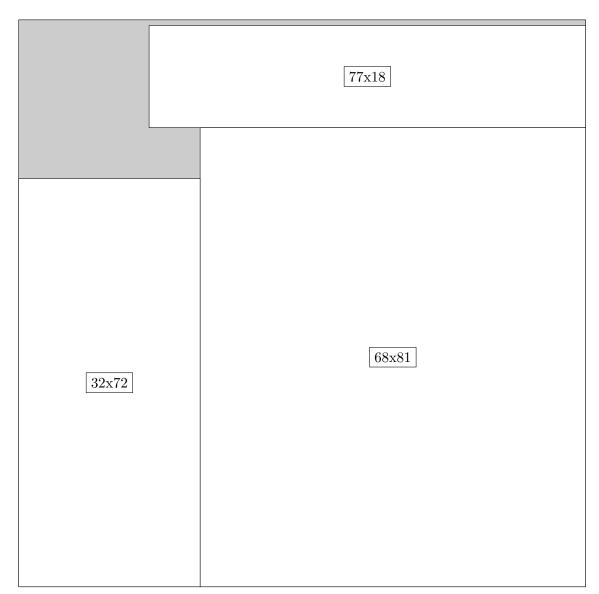
$$\begin{array}{l} w=58\;,\; h=46\;,\; x=42\;,\; y=0\;,\; v=2668\\ w=38\;,\; h=46\;,\; x=4\;,\; y=0\;,\; v=1748\\ w=4\;,\; h=20\;,\; x=0\;,\; y=0\;,\; v=80\\ w=53\;,\; h=53\;,\; x=47\;,\; y=46\;,\; v=2809\\ w=40\;,\; h=53\;,\; x=7\;,\; y=46\;,\; v=2120 \end{array}$$



 $\le =97$, h =93 , x =3 , y =0 , v =9021



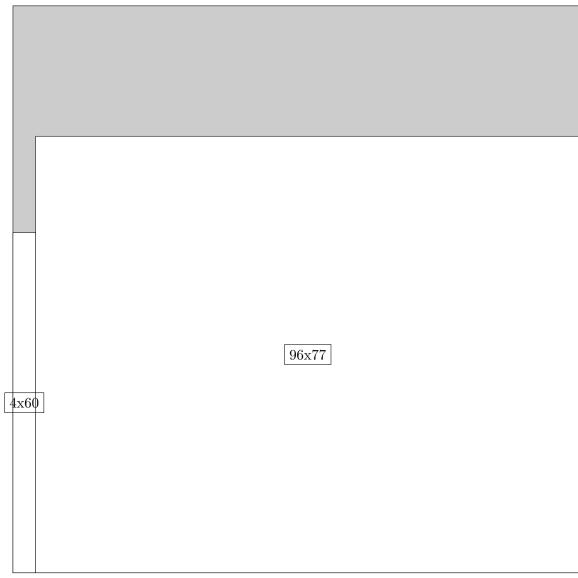
 $\le =98$, h =76 , x =2 , y =0 , v =7448



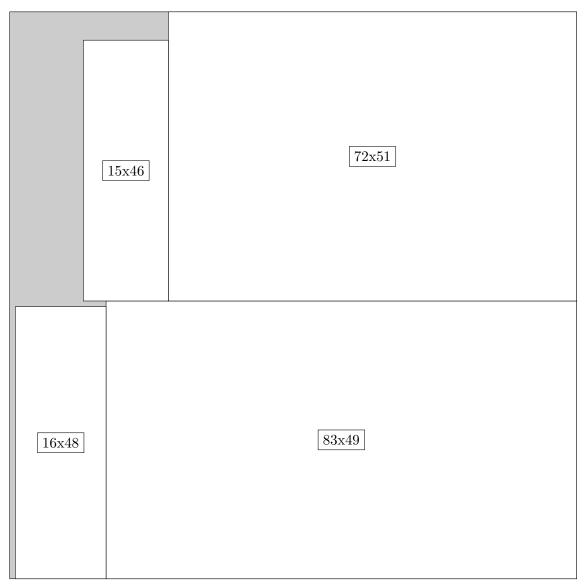
$$w = 68$$
, $h = 81$, $x = 32$, $y = 0$, $v = 5508$

$$\le =32$$
 , h =72 , x =0 , y =0 , v =2304

$$\le =77$$
 , h =18 , x =23 , y =81 , v =1386



$$\begin{array}{l} w = \! 96 \ , \ h = \! 77 \ , \ x = \! 4 \ , \ y = \! 0 \ , \ v = \! 7392 \\ w = \! 4 \ , \ h = \! 60 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 240 \end{array}$$

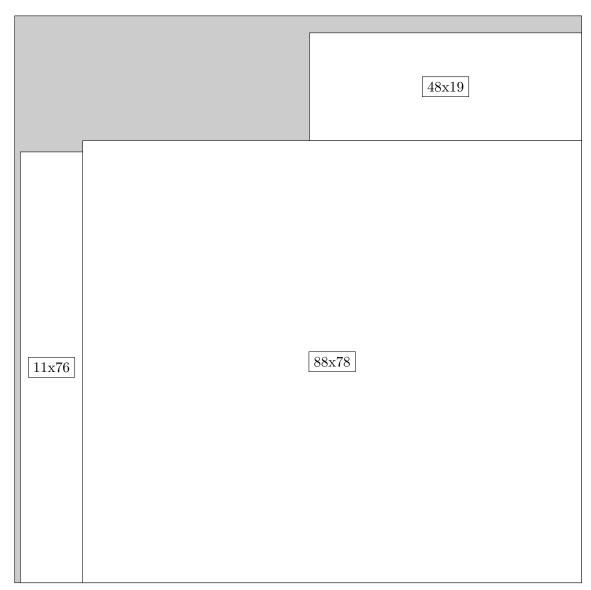


$$w = 83$$
, $h = 49$, $x = 17$, $y = 0$, $v = 4067$

$$\le =16$$
 , h =48 , x =1 , y =0 , v =768

$$\le =72$$
 , h =51 , x =28 , y =49 , v =3672

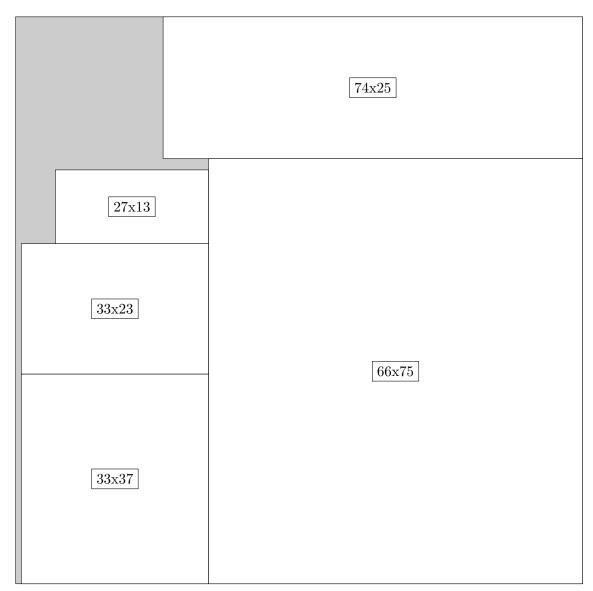
$$\le =15$$
 , h =46 , x =13 , y =49 , v =690



$$w$$
 =88 , h =78 , x =12 , y =0 , v =6864

$$\le =11$$
 , h =76 , x =1 , y =0 , v =836

$$\le =48$$
 , h =19 , x =52 , y =78 , v =912



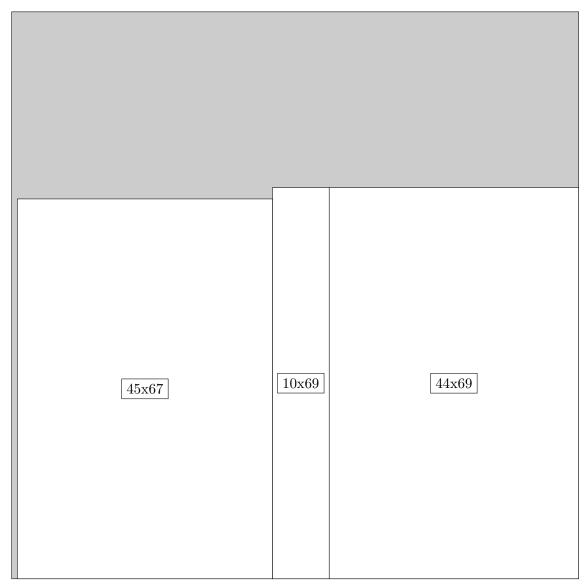
$$w = 66$$
, $h = 75$, $x = 34$, $y = 0$, $v = 4950$

$$\begin{array}{l} w = \! 33 \ , \ h = \! 37 \ , \ x = \! 1 \ , \ y = \! 0 \ , \ v = \! 1221 \\ w = \! 33 \ , \ h = \! 23 \ , \ x = \! 1 \ , \ y = \! 37 \ , \ v = \! 759 \end{array}$$

$$w = 33$$
, $h = 23$, $x = 1$, $y = 37$, $v = 759$

$$\le =27$$
 , h =13 , x =7 , y =60 , v =351

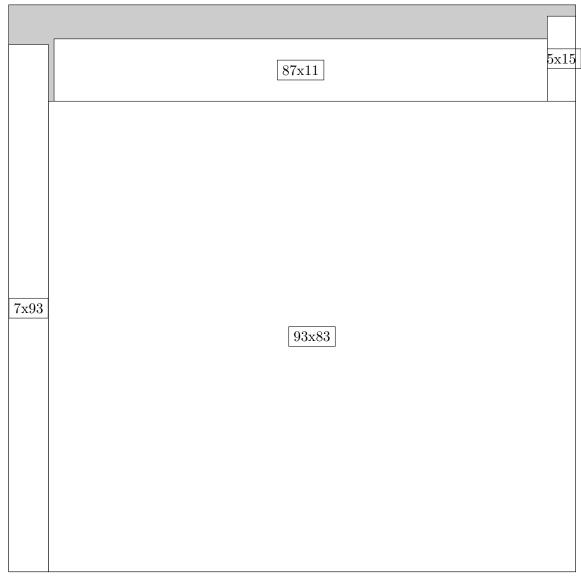
$$\le =74$$
 , h =25 , x =26 , y =75 , v =1850



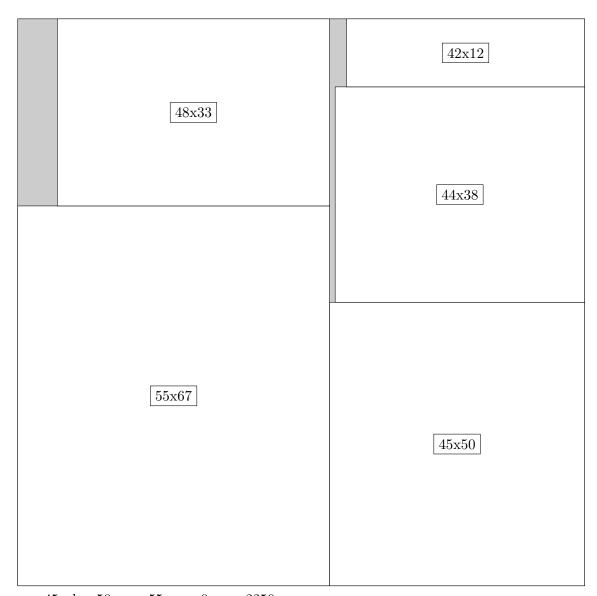
$$\mathbf{w}$$
 =44 , h =69 , x =56 , y =0 , v =3036

$$\le =10$$
 , h =69 , x =46 , y =0 , v =690

$$\le =45$$
 , $h=67$, $x=1$, $y=0$, $v=3015$



 $\begin{array}{l} w = \! 93 \;, \; h = \! 83 \;, \; x = \! 7 \;, \; y = \! 0 \;, \; v = \! 7719 \\ w = \! 5 \;, \; h = \! 15 \;, \; x = \! 95 \;, \; y = \! 83 \;, \; v = \! 75 \\ w = \! 87 \;, \; h = \! 11 \;, \; x = \! 8 \;, \; y = \! 83 \;, \; v = \! 957 \\ w = \! 7 \;, \; h = \! 93 \;, \; x = \! 0 \;, \; y = \! 0 \;, \; v = \! 651 \end{array}$



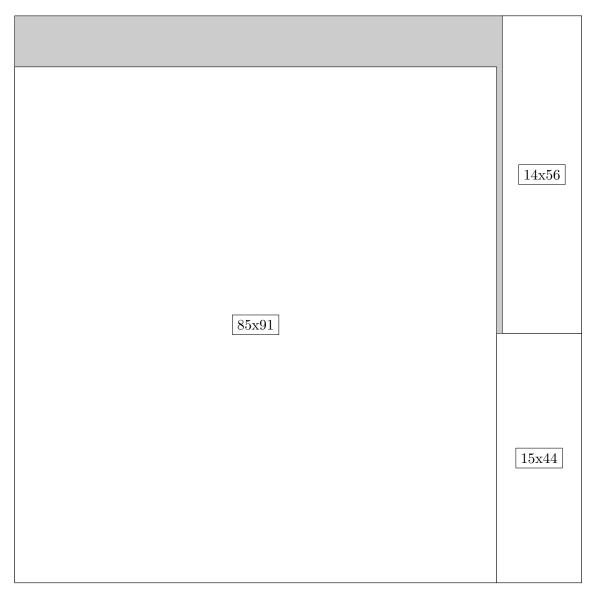
$$\le =45$$
 , $h=\!50$, $x=\!55$, $y=\!0$, $v=\!2250$

$$w=\!44$$
 , $h=\!38$, $x=\!56$, $y=\!50$, $v=\!1672$

$$\le =42$$
 , $h=12$, $x=58$, $y=88$, $v=504$

$$\mathbf{w}$$
 =55 , h =67 , x =0 , y =0 , v =3685

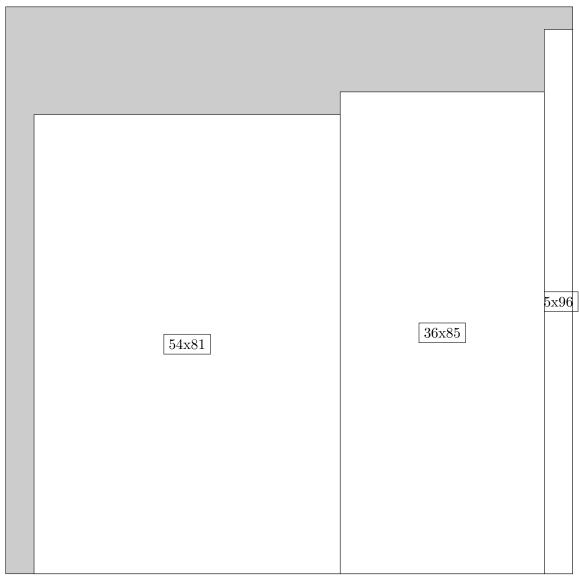
$$w = 48$$
, $h = 33$, $x = 7$, $y = 67$, $v = 1584$



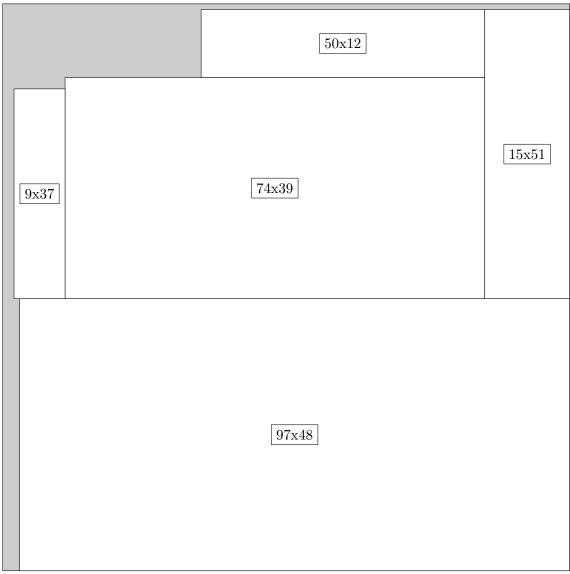
$$w = 15$$
, $h = 44$, $x = 85$, $y = 0$, $v = 660$

$$w$$
 =14 , h =56 , x =86 , y =44 , v =784

$$\le =85$$
 , h =91 , x =0 , y =0 , v =7735



 $\begin{array}{l} w = 5 \ , \ h = \! 96 \ , \ x = \! 95 \ , \ y = \! 0 \ , \ v = \! 480 \\ w = \! 36 \ , \ h = \! 85 \ , \ x = \! 59 \ , \ y = \! 0 \ , \ v = \! 3060 \\ w = \! 54 \ , \ h = \! 81 \ , \ x = \! 5 \ , \ y = \! 0 \ , \ v = \! 4374 \end{array}$



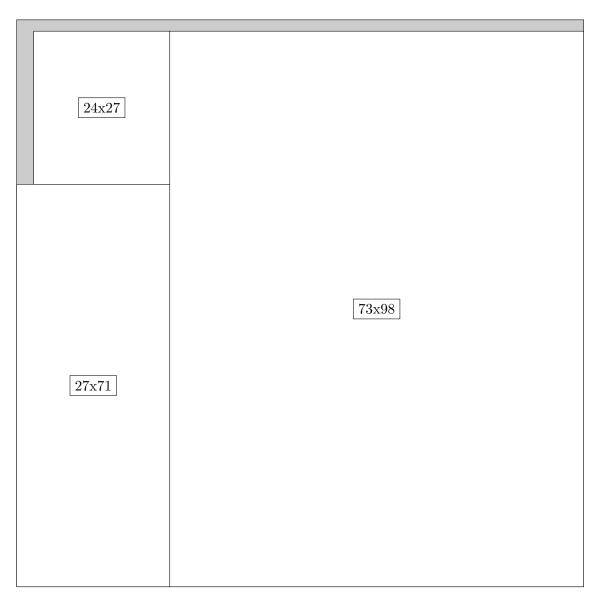
$$\le =97$$
 , h =48 , x =3 , y =0 , v =4656

$$\le =15$$
 , h =51 , x =85 , y =48 , v =765

$$w$$
 =74 , h =39 , x =11 , y =48 , v =2886

$$w$$
 =50 , h =12 , x =35 , y =87 , v =600

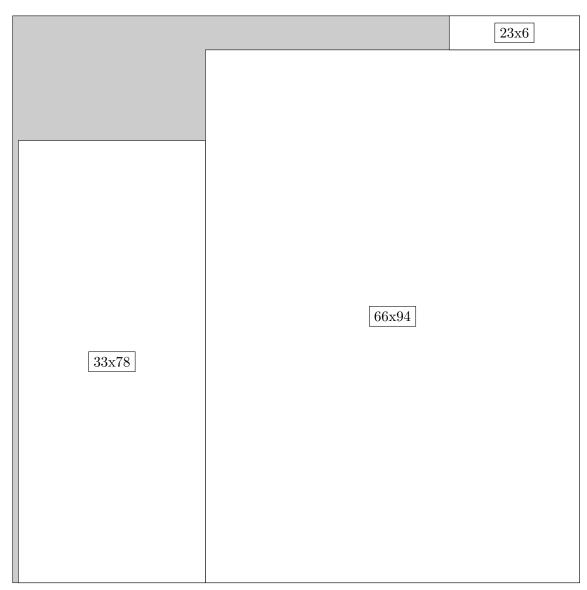
$$w = 9$$
, $h = 37$, $x = 2$, $y = 48$, $v = 333$



$$w$$
 =73 , h =98 , x =27 , y =0 , v =7154

$$\le =27$$
 , h =71 , x =0 , y =0 , v =1917

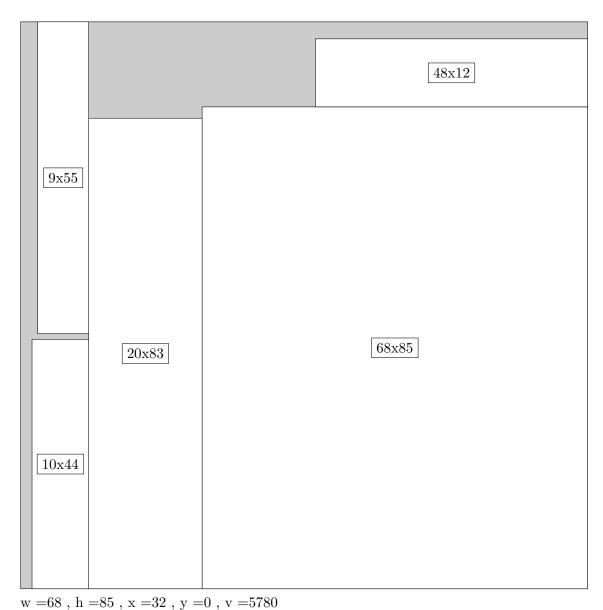
$$\le =24$$
 , h =27 , x =3 , y =71 , v =648



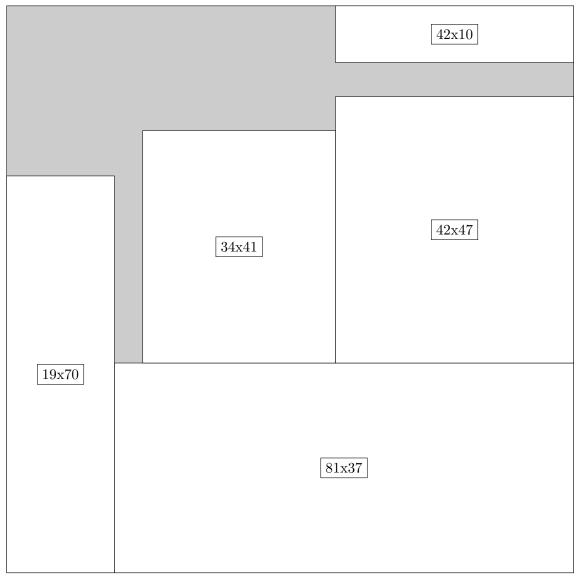
w = 66, h = 94, x = 34, y = 0, v = 6204

 $\le =23$, h =6 , x =77 , y =94 , v =138

 $\le =33$, h =78 , x =1 , y =0 , v =2574



w = 9, h = 55, x = 3, y = 45, v = 495



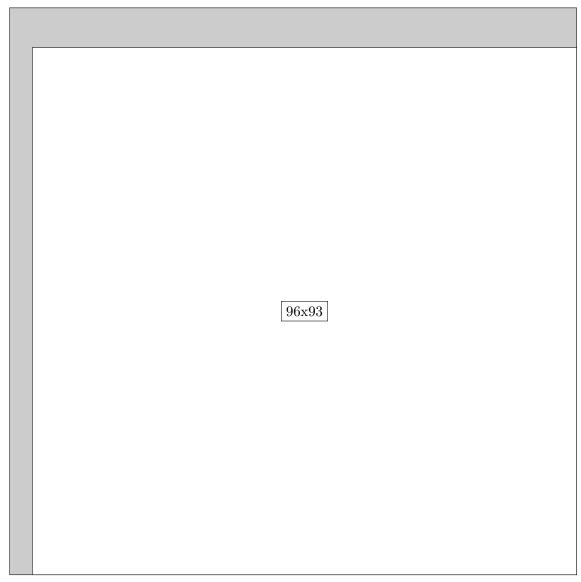
$$\le =81$$
 , $h=37$, $x=19$, $y=0$, $v=2997$

$$\le =42$$
 , $h=47$, $x=58$, $y=37$, $v=1974$

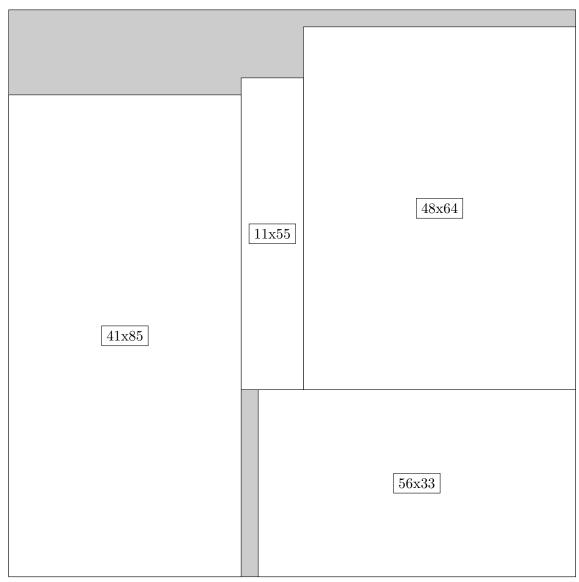
$$\le =34$$
 , h =41 , x =24 , y =37 , v =1394

$$\le =42$$
 , h =10 , x =58 , y =90 , v =420

$$\mathbf{w}$$
 =19 , h =70 , x =0 , y =0 , v =1330



 $\le =96$, h =93 , x =4 , y =0 , v =8928

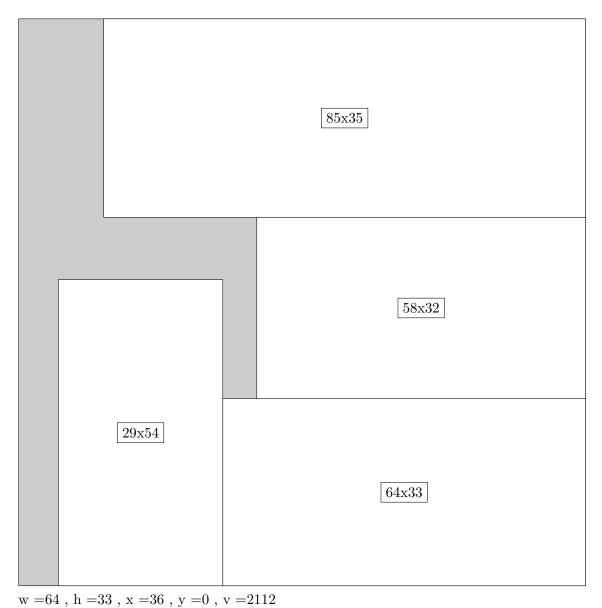


$$\le =56$$
 , h =33 , x =44 , y =0 , v =1848

$$\le =48$$
 , $h=64$, $x=52$, $y=33$, $v=3072$

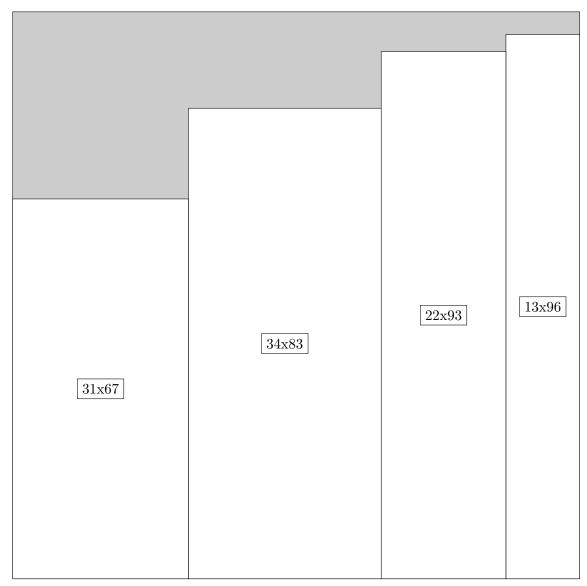
$$\le =11$$
 , $h=55$, $x=41$, $y=33$, $v=605$

$$\le =41$$
 , $h=85$, $x=0$, $y=0$, $v=3485$



$$w = 29$$
, $h = 54$, $x = 7$, $y = 0$, $v = 1566$

$$\le =85$$
 , h =35 , x =15 , y =65 , v =2975

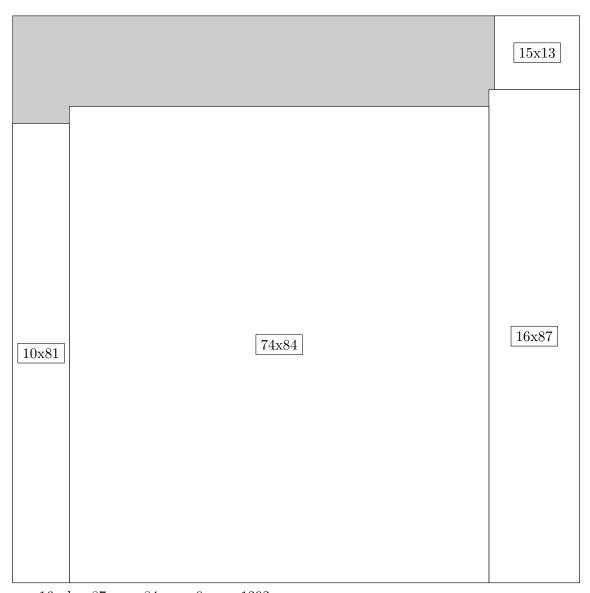


w = 13, h = 96, x = 87, y = 0, v = 1248

w = 22, h = 93, x = 65, y = 0, v = 2046

 $\le =34$, h =83 , x =31 , y =0 , v =2822

 \mathbf{w} =31 , h =67 , x =0 , y =0 , v =2077



$$\begin{array}{l} w = \! 16 \ , \ h = \! 87 \ , \ x = \! 84 \ , \ y = \! 0 \ , \ v = \! 1392 \\ w = \! 15 \ , \ h = \! 13 \ , \ x = \! 85 \ , \ y = \! 87 \ , \ v = \! 195 \\ w = \! 74 \ , \ h = \! 84 \ , \ x = \! 10 \ , \ y = \! 0 \ , \ v = \! 6216 \end{array}$$

 $\le =10$, $h=\!81$, $x=\!0$, $y=\!0$, $v=\!810$