${\bf ClassName:}~{\bf Class_05.2bp\text{-}39}$

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

TypeNum: <u>80</u> Num: <u>80</u> OutS: <u>230000</u> InS: <u>203709</u> Rate: <u>0.886</u> UB: <u>23</u> LB0: <u>23</u>

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

LB: **23**

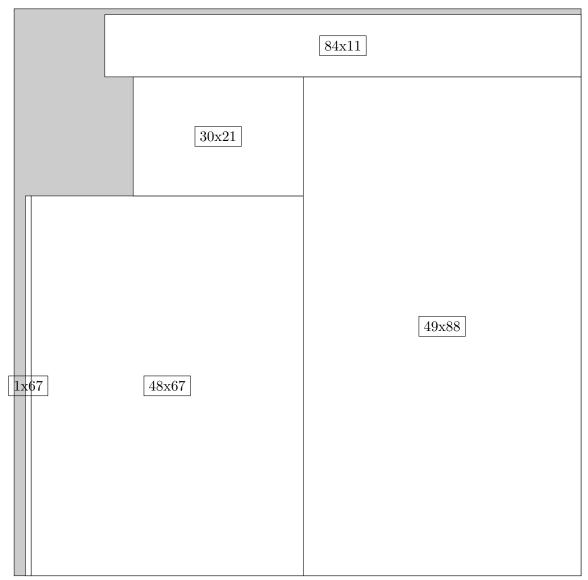
ExtendedNodeCnt: $\underline{\mathbf{1}}$

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

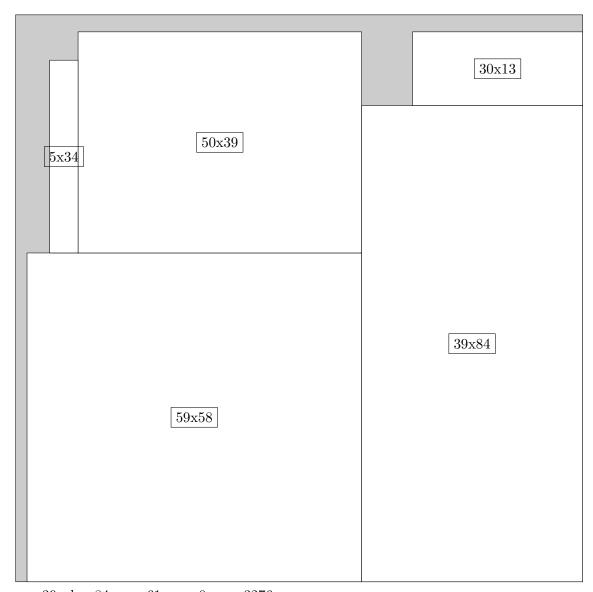
isOpt: $\underline{\mathbf{true}}$

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

TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.079 sTotalTime: 600.360 s



w =49, h =88, x =51, y =0, v =4312 w =48, h =67, x =3, y =0, v =3216 w =1, h =67, x =2, y =0, v =67 w =30, h =21, x =21, y =67, v =630 w =84, h =11, x =16, y =88, v =924



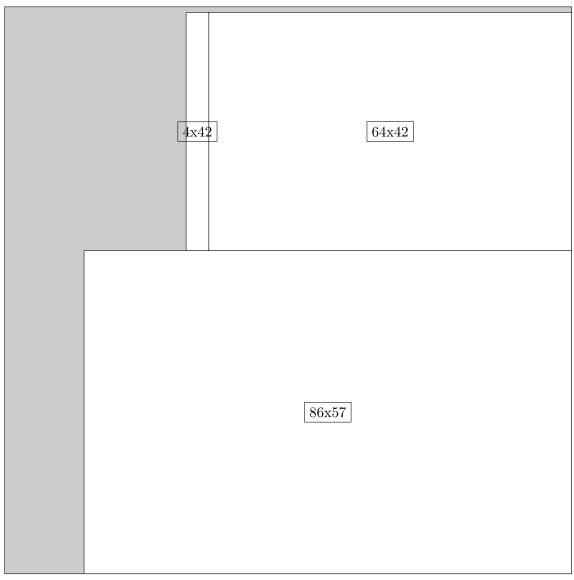
$$\le =39$$
 , h =84 , x =61 , y =0 , v =3276

$$\le =30$$
 , h =13 , x =70 , y =84 , v =390

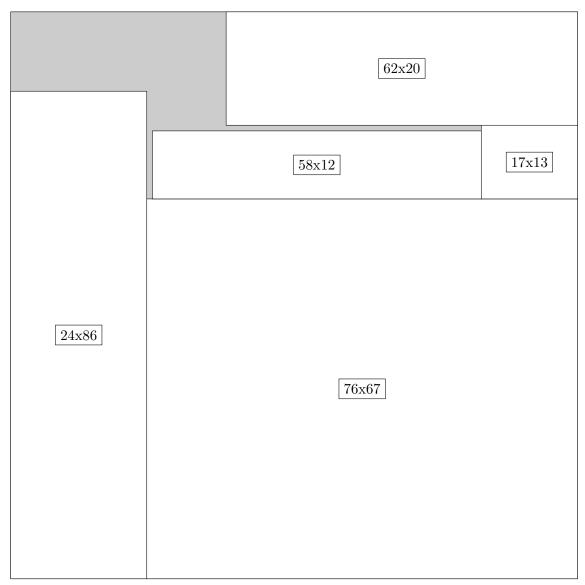
$$\le =59$$
 , h =58 , x =2 , y =0 , v =3422

$$w$$
 =50 , h =39 , x =11 , y =58 , v =1950

$$w = 5$$
, $h = 34$, $x = 6$, $y = 58$, $v = 170$



 $\begin{array}{l} w = \!\!86 \;,\; h = \!\!57 \;,\; x = \!\!14 \;,\; y = \!\!0 \;,\; v = \!\!4902 \\ w = \!\!64 \;,\; h = \!\!42 \;,\; x = \!\!36 \;,\; y = \!\!57 \;,\; v = \!\!2688 \\ w = \!\!4 \;,\; h = \!\!42 \;,\; x = \!\!32 \;,\; y = \!\!57 \;,\; v = \!\!168 \end{array}$



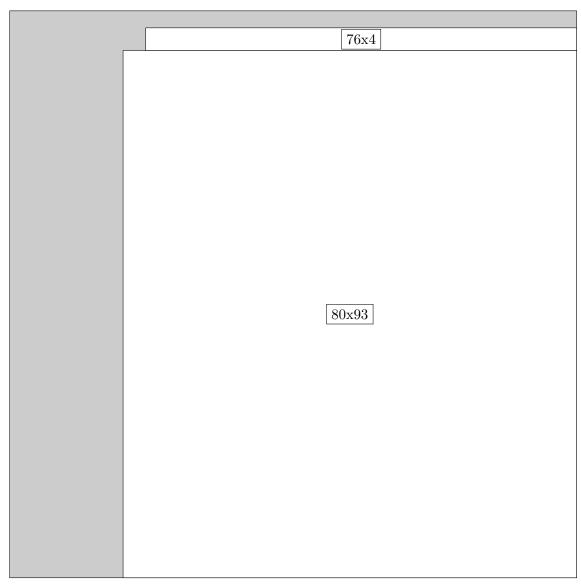
$$\le -76$$
 , h =67 , x =24 , y =0 , v =5092

$$\le =17$$
 , h =13 , x =83 , y =67 , v =221

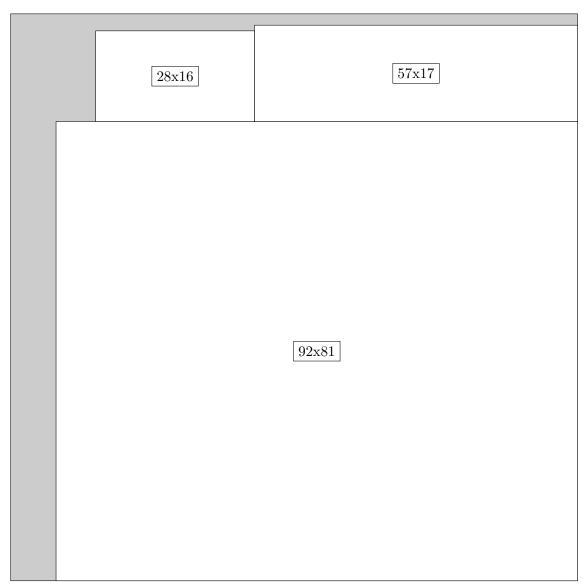
$$\le =58$$
 , h =12 , x =25 , y =67 , v =696

$$\le =62$$
 , h =20 , x =38 , y =80 , v =1240

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

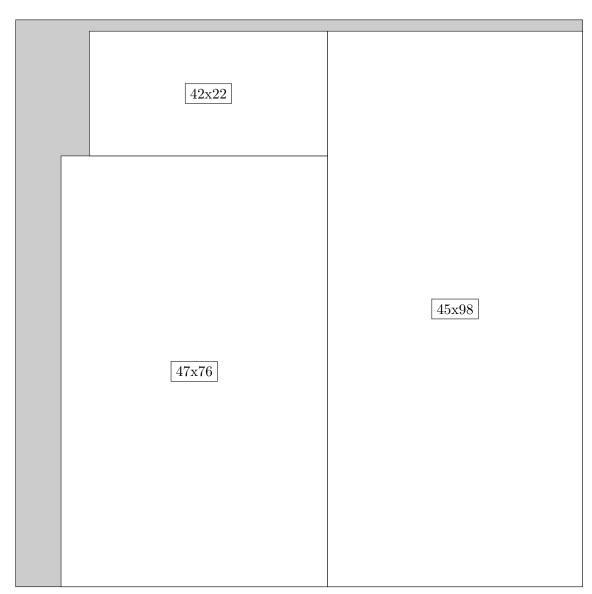


$$\begin{array}{l} w = \! 80 \ , \ h = \! 93 \ , \ x = \! 20 \ , \ y = \! 0 \ , \ v = \! 7440 \\ w = \! 76 \ , \ h = \! 4 \ , \ x = \! 24 \ , \ y = \! 93 \ , \ v = \! 304 \end{array}$$



$$\begin{array}{l} w = \! 92 \ , \ h = \! 81 \ , \ x = \! 8 \ , \ y = \! 0 \ , \ v = \! 7452 \\ w = \! 57 \ , \ h = \! 17 \ , \ x = \! 43 \ , \ y = \! 81 \ , \ v = \! 969 \end{array}$$

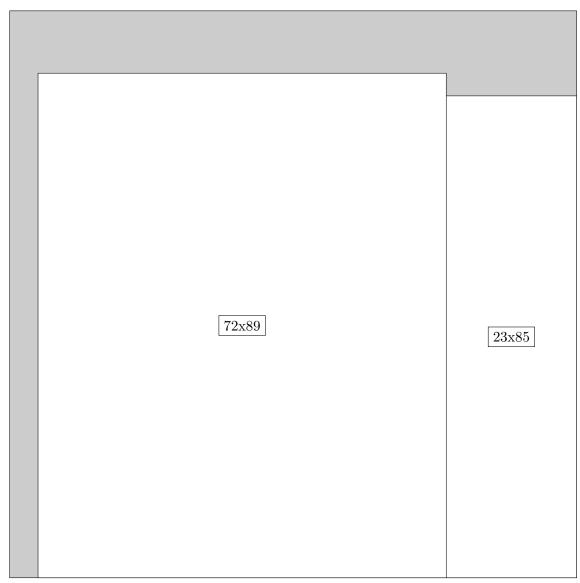
 $\le =28$, h =16 , x =15 , y =81 , v =448



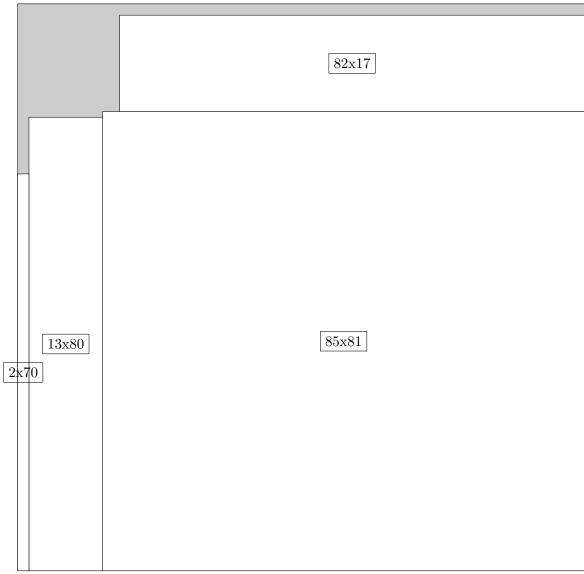
$$\mathbf{w}$$
 =45 , h =98 , x =55 , y =0 , v =4410

$$\mathbf{w}$$
 =47 , h =76 , x =8 , y =0 , v =3572

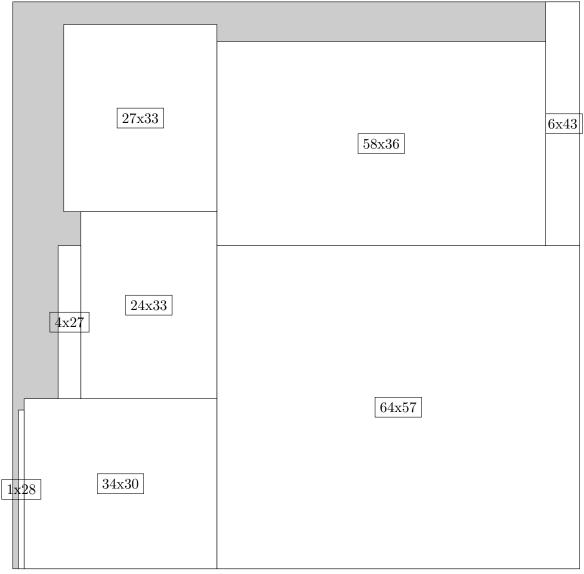
$$w=\!42$$
 , $h=\!22$, $x=\!13$, $y=\!76$, $v=\!924$



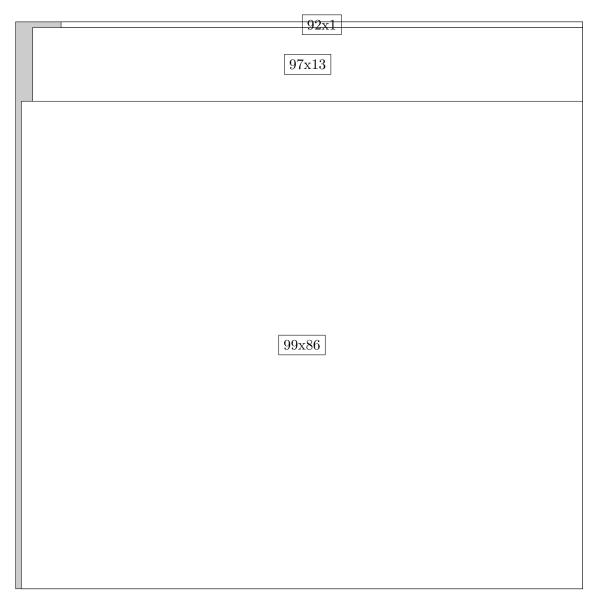
$$\begin{array}{l} w = \! 23 \ , \ h = \! 85 \ , \ x = \! 77 \ , \ y = \! 0 \ , \ v = \! 1955 \\ w = \! 72 \ , \ h = \! 89 \ , \ x = \! 5 \ , \ y = \! 0 \ , \ v = \! 6408 \end{array}$$



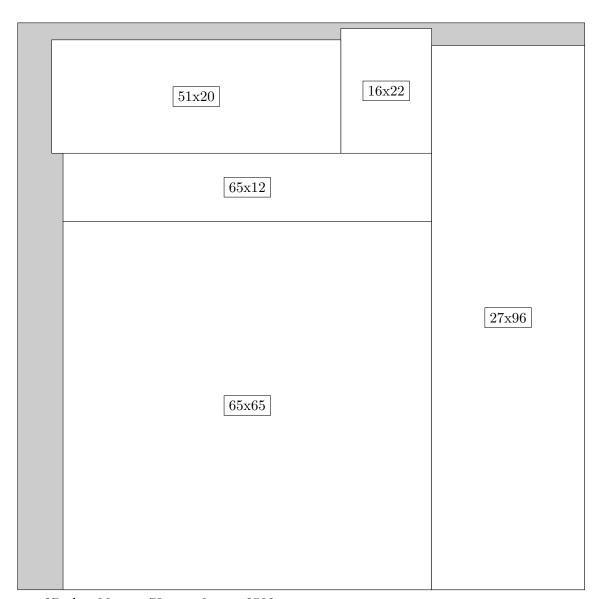
 $\begin{array}{l} w = \! 85 \;, \; h = \! 81 \;, \; x = \! 15 \;, \; y = \! 0 \;, \; v = \! 6885 \\ w = \! 82 \;, \; h = \! 17 \;, \; x = \! 18 \;, \; y = \! 81 \;, \; v = \! 1394 \\ w = \! 13 \;, \; h = \! 80 \;, \; x = \! 2 \;, \; y = \! 0 \;, \; v = \! 1040 \\ w = \! 2 \;, \; h = \! 70 \;, \; x = \! 0 \;, \; y = \! 0 \;, \; v = \! 140 \end{array}$



 $\begin{array}{l} w=64\;,\; h=57\;,\; x=36\;,\; y=0\;,\; v=3648\\ w=6\;,\; h=43\;,\; x=94\;,\; y=57\;,\; v=258\\ w=58\;,\; h=36\;,\; x=36\;,\; y=57\;,\; v=2088\\ w=34\;,\; h=30\;,\; x=2\;,\; y=0\;,\; v=1020\\ w=1\;,\; h=28\;,\; x=1\;,\; y=0\;,\; v=28\\ w=24\;,\; h=33\;,\; x=12\;,\; y=30\;,\; v=792\\ w=4\;,\; h=27\;,\; x=8\;,\; y=30\;,\; v=108\\ w=27\;,\; h=33\;,\; x=9\;,\; y=63\;,\; v=891\\ \end{array}$



$$\begin{array}{l} w = 99 \ , \ h = 86 \ , \ x = 1 \ , \ y = 0 \ , \ v = 8514 \\ w = 97 \ , \ h = 13 \ , \ x = 3 \ , \ y = 86 \ , \ v = 1261 \\ w = 92 \ , \ h = 1 \ , \ x = 8 \ , \ y = 99 \ , \ v = 92 \end{array}$$



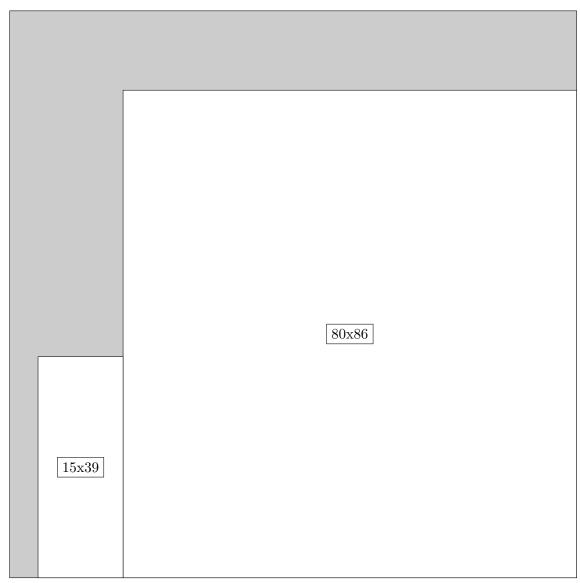
$$\le =27$$
 , h =96 , x =73 , y =0 , v =2592

$$\le =65$$
 , $h=65$, $x=8$, $y=0$, $v=4225$

$$\le =65$$
 , $h = 12$, $x = 8$, $y = 65$, $v = 780$

$$\mathbf{w}$$
 =16 , h =22 , x =57 , y =77 , v =352

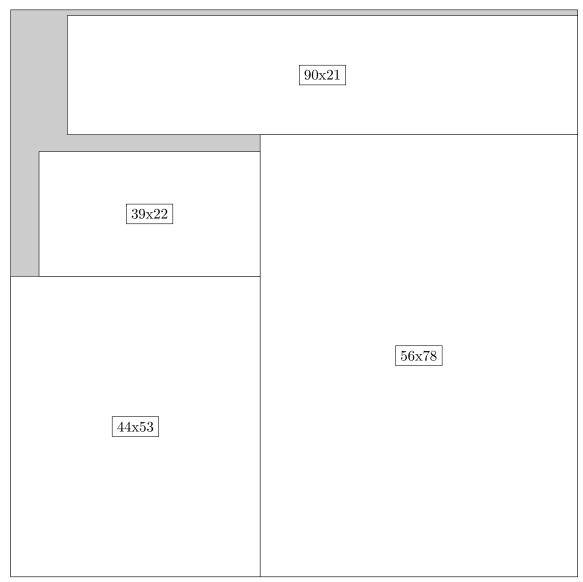
$$\le =51$$
 , h =20 , x =6 , y =77 , v =1020



$$\begin{array}{l} w = \!\! 80 \ , \ h = \!\! 86 \ , \ x = \!\! 20 \ , \ y = \!\! 0 \ , \ v = \!\! 6880 \\ w = \!\! 15 \ , \ h = \!\! 39 \ , \ x = \!\! 5 \ , \ y = \!\! 0 \ , \ v = \!\! 585 \end{array}$$



$$\begin{array}{l} w = \! 88 \ , \, h = \! 65 \ , \, x = \! 12 \ , \, y = \! 0 \ , \, v = \! 5720 \\ w = \! 88 \ , \, h = \! 32 \ , \, x = \! 12 \ , \, y = \! 65 \ , \, v = \! 2816 \end{array}$$

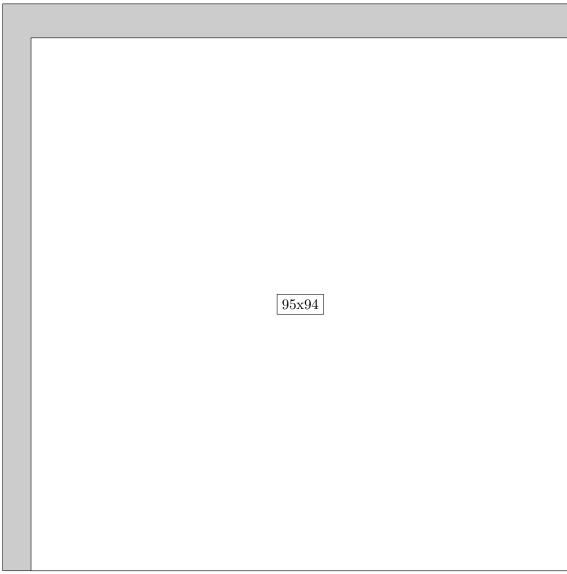


$$w = 56$$
, $h = 78$, $x = 44$, $y = 0$, $v = 4368$

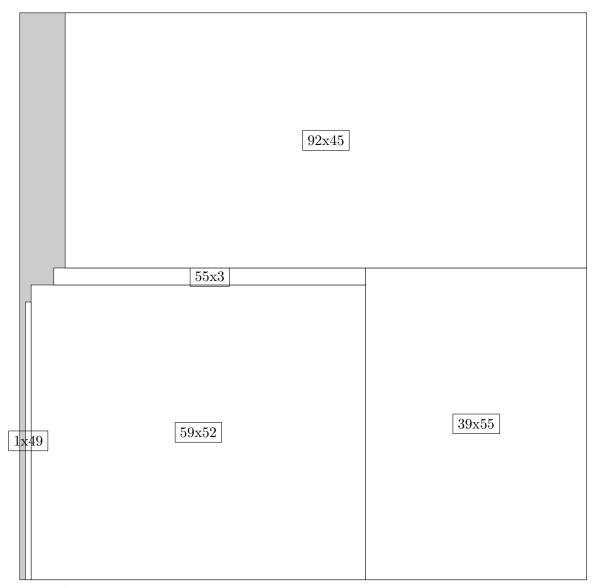
$$\le =44$$
 , h =53 , x =0 , y =0 , v =2332

$$\le =39$$
 , h =22 , x =5 , y =53 , v =858

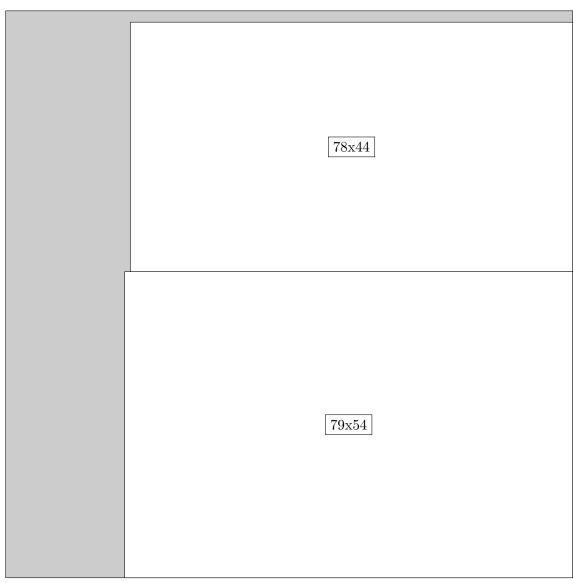
$$\le =90$$
 , h =21 , x =10 , y =78 , v =1890



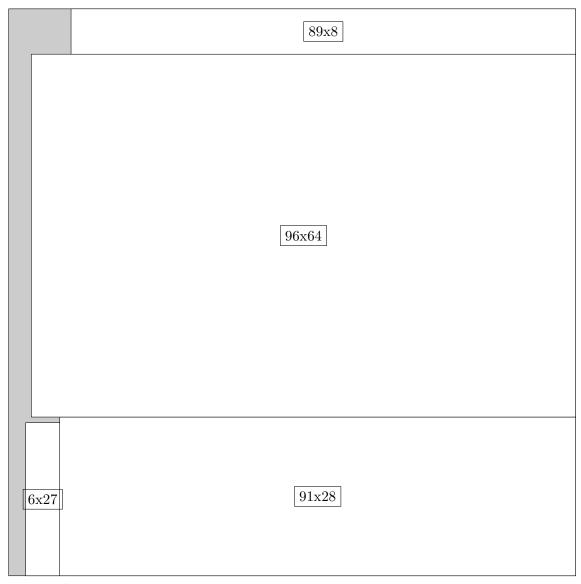
w =95 , h =94 , x =5 , y =0 , v =8930



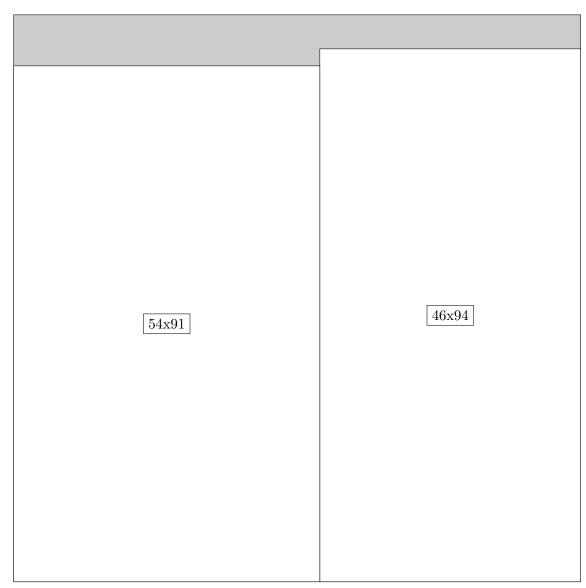
 $\begin{array}{l} w = & 39 \ , \ h = & 55 \ , \ x = & 61 \ , \ y = & 0 \ , \ v = & 2145 \\ w = & 59 \ , \ h = & 52 \ , \ x = & 2 \ , \ y = & 0 \ , \ v = & 3068 \\ w = & 55 \ , \ h = & 3 \ , \ x = & 6 \ , \ y = & 52 \ , \ v = & 165 \\ w = & 1 \ , \ h = & 49 \ , \ x = & 1 \ , \ y = & 0 \ , \ v = & 49 \\ w = & 92 \ , \ h = & 45 \ , \ x = & 8 \ , \ y = & 55 \ , \ v = & 4140 \end{array}$

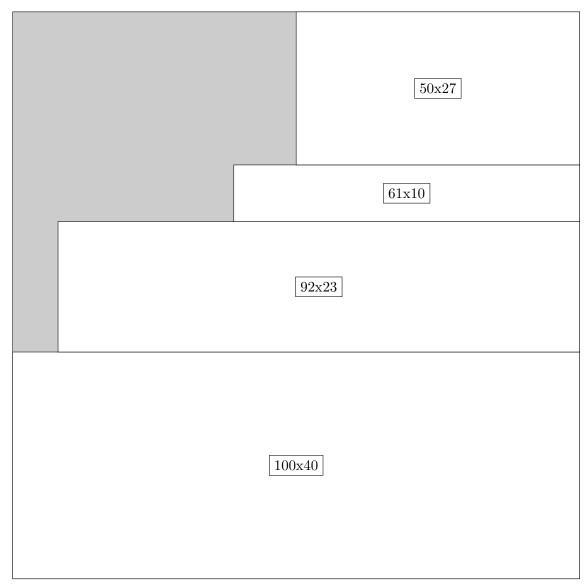


$$\begin{array}{l} w = 79 \ , \ h = 54 \ , \ x = 21 \ , \ y = 0 \ , \ v = 4266 \\ w = 78 \ , \ h = 44 \ , \ x = 22 \ , \ y = 54 \ , \ v = 3432 \end{array}$$



$$\begin{array}{l} w = \! 91 \; , \; h = \! 28 \; , \; x = \! 9 \; , \; y = \! 0 \; , \; v = \! 2548 \\ w = \! 6 \; , \; h = \! 27 \; , \; x = \! 3 \; , \; y = \! 0 \; , \; v = \! 162 \\ w = \! 96 \; , \; h = \! 64 \; , \; x = \! 4 \; , \; y = \! 28 \; , \; v = \! 6144 \\ w = \! 89 \; , \; h = \! 8 \; , \; x = \! 11 \; , \; y = \! 92 \; , \; v = \! 712 \end{array}$$

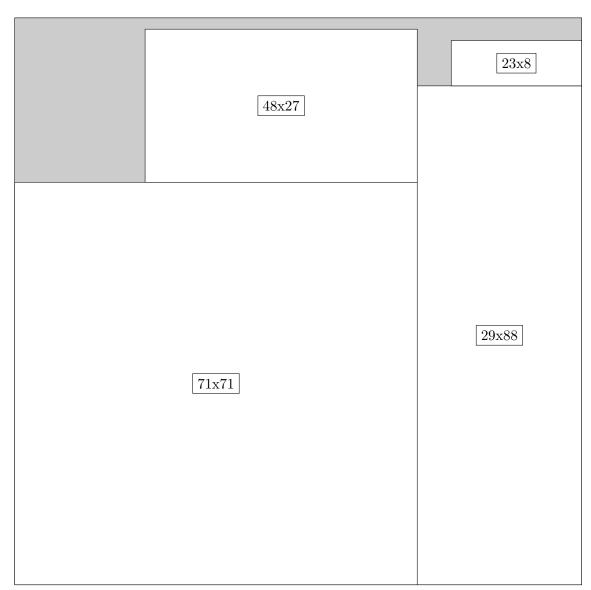




$$\begin{array}{l} w = \! 100 \ , \ h = \! 40 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 4000 \\ w = \! 92 \ , \ h = \! 23 \ , \ x = \! 8 \ , \ y = \! 40 \ , \ v = \! 2116 \\ \end{array}$$

$$\le =61$$
 , $h=10$, $x=39$, $y=63$, $v=610$

$$w$$
 =50 , h =27 , x =50 , y =73 , v =1350

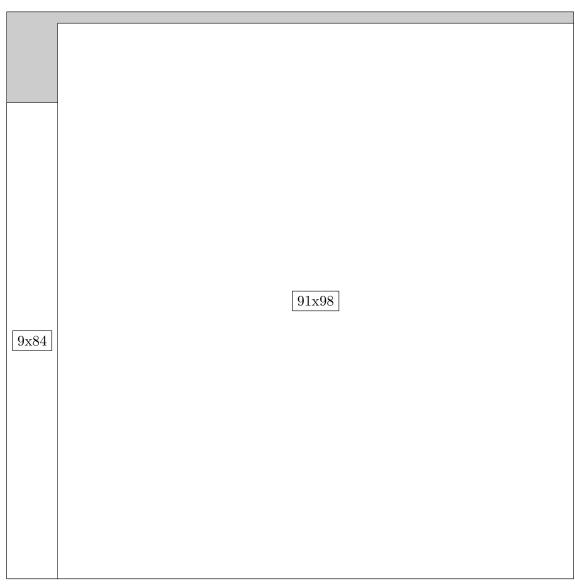


$$w = 29$$
, $h = 88$, $x = 71$, $y = 0$, $v = 2552$

$$\le =23$$
 , h =8 , x =77 , y =88 , v =184

$$\mathbf{w}$$
 =71 , h =71 , x =0 , y =0 , v =5041

$$\le =48$$
 , $h=27$, $x=23$, $y=71$, $v=1296$



w =91, h =98, x =9, y =0, v =8918 w =9, h =84, x =0, y =0, v =756