$ClassName: \ Class_05.2bp-47$

BinSize: 100×100 ReduceSize: 100×100

TypeNum: **100** Num: **100** OutS: **300000** InS: 262878Rate: 0.876UB: **30** LB0: **29**

LBWithCut: 30 NodeCut: 0

LB: **30**

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

GenNodeCnt: $\mathbf{1}$ PrimalNode: $\mathbf{0}$ ColumnCount: 246 $TotalCutCount: \ \mathbf{0}$ RootCutCount: $\underline{\mathbf{0}}$ LPSolverCnt: 217 PricingSolverCnt: 217

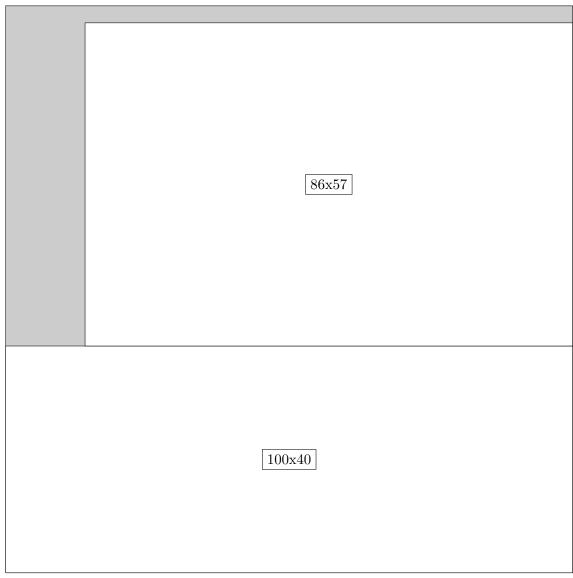
BranchAndBoundNum: $\underline{\mathbf{1}}$

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

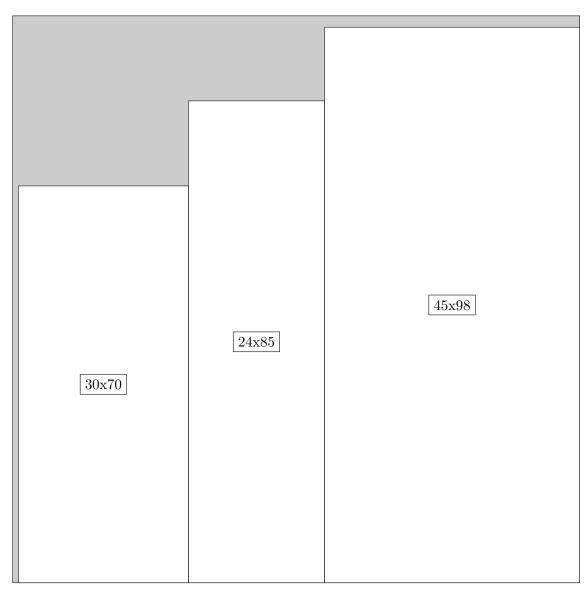
TimeOnInitSolution: $\underline{600.000 \text{ s}}$

TimeOnPrimal: 0.000 sTimeOnPricing: 2877.459 s

TimeOnRmp: 0.281 sTotalTime: 3478.149 s



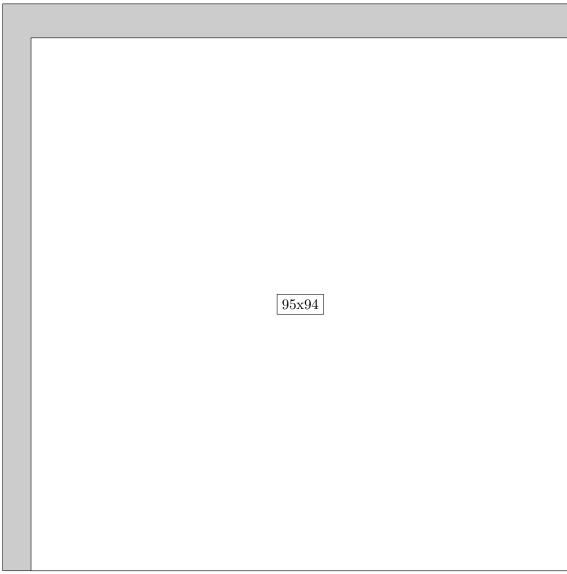
$$\begin{array}{c} w = 100 \; , \; h = \!\! 40 \; , \; x = \!\! 0 \; , \; y = \!\! 0 \; , \; v = \!\! 4000 \\ w = \!\! 86 \; , \; h = \!\! 57 \; , \; x = \!\! 14 \; , \; y = \!\! 40 \; , \; v = \!\! 4902 \\ \end{array}$$



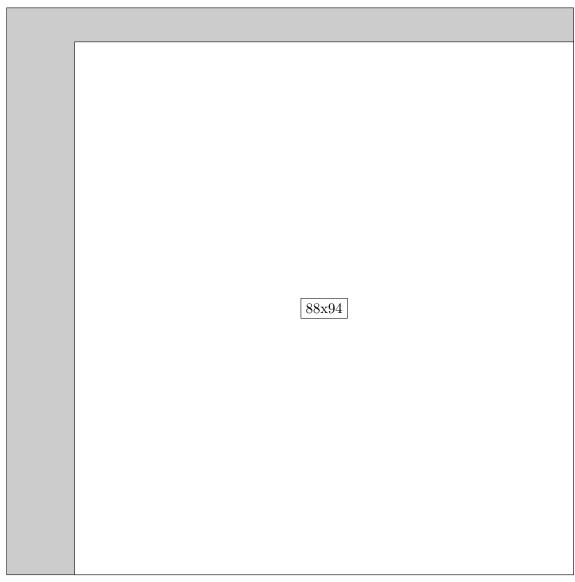
$$w = 45$$
, $h = 98$, $x = 55$, $y = 0$, $v = 4410$

$$\le =24$$
 , h =85 , x =31 , y =0 , v =2040

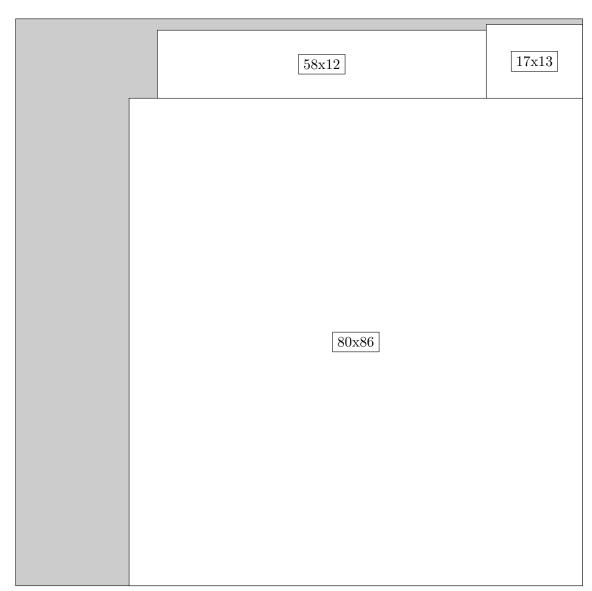
$$\le =30$$
 , h =70 , x =1 , y =0 , v =2100



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



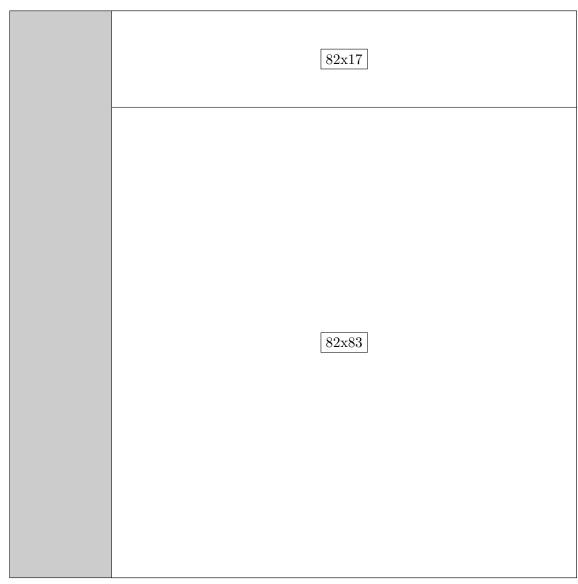
 $\le =88$, h =94 , x =12 , y =0 , v =8272



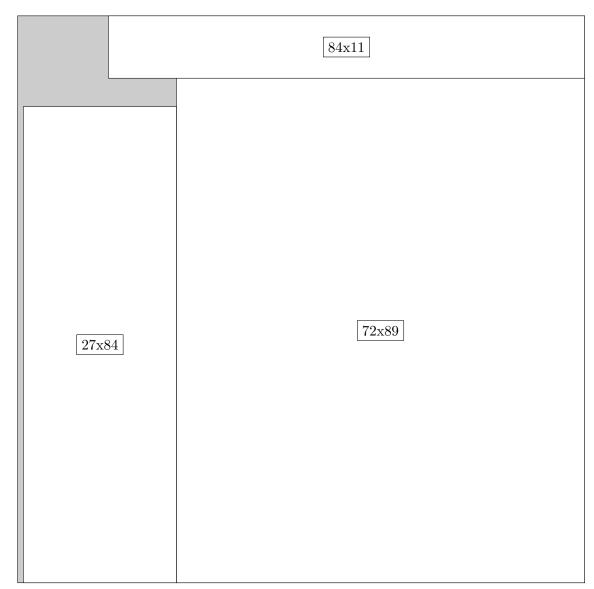
$$\le =80$$
 , $h=86$, $x=20$, $y=0$, $v=6880$

$$\le =17$$
 , h =13 , x =83 , y =86 , v =221

$$\le -58$$
 , h =12 , x =25 , y =86 , v =696



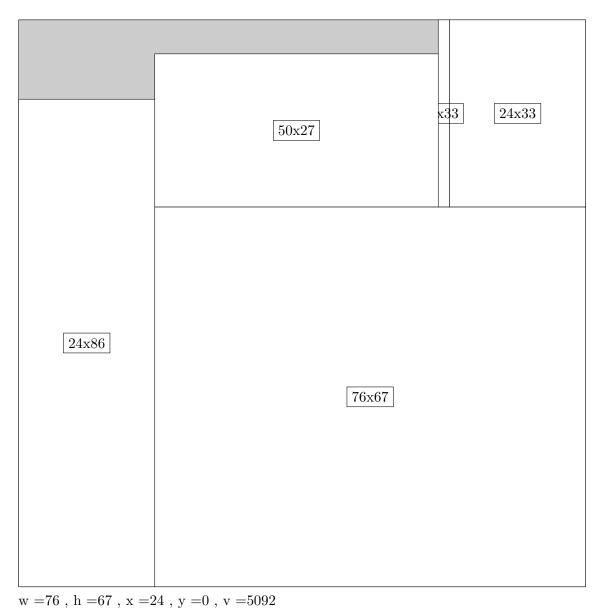
$$\begin{array}{l} w = \! 82 \ , \, h = \! 83 \ , \, x = \! 18 \ , \, y = \! 0 \ , \, v = \! 6806 \\ w = \! 82 \ , \, h = \! 17 \ , \, x = \! 18 \ , \, y = \! 83 \ , \, v = \! 1394 \end{array}$$



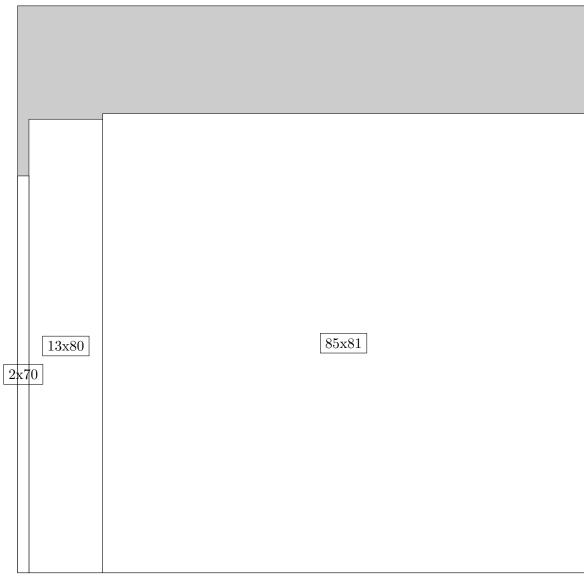
$$w = 72$$
, $h = 89$, $x = 28$, $y = 0$, $v = 6408$

$$\le =27$$
 , h =84 , x =1 , y =0 , v =2268

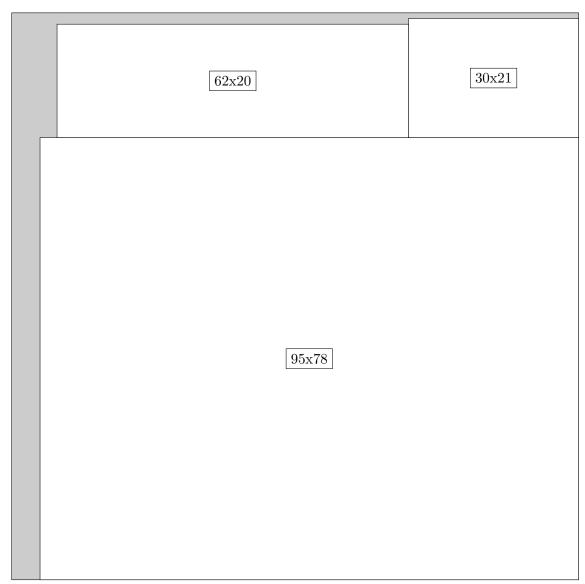
$$\le =84$$
 , h =11 , x =16 , y =89 , v =924



$$\le =50$$
 , h =27 , x =24 , y =67 , v =1350



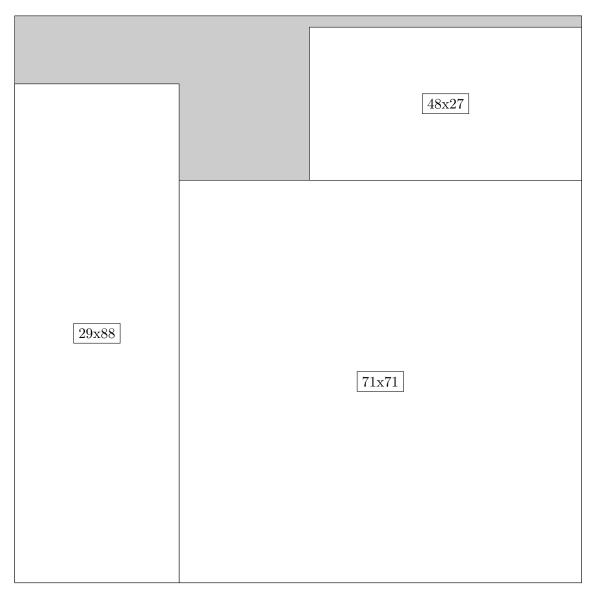
 $\begin{array}{l} w = \! 85 \; , \; h = \! 81 \; , \; x = \! 15 \; , \; y = \! 0 \; , \; v = \! 6885 \\ w = \! 13 \; , \; h = \! 80 \; , \; x = \! 2 \; , \; y = \! 0 \; , \; v = \! 1040 \\ w = \! 2 \; , \; h = \! 70 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 140 \end{array}$



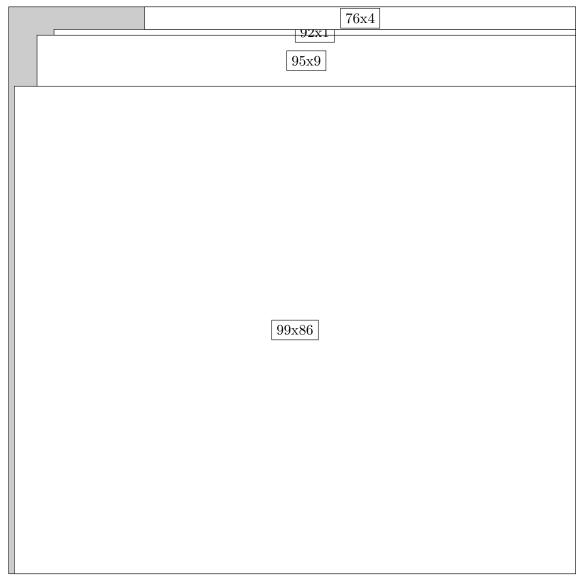
$$\le =95$$
 , h =78 , x =5 , y =0 , v =7410

$$\le =30$$
 , h =21 , x =70 , y =78 , v =630

$$\le =62$$
 , $h=20$, $x=8$, $y=78$, $v=1240$



 $\begin{array}{l} w = & 71 \ , \ h = & 71 \ , \ x = & 29 \ , \ y = & 0 \ , \ v = & 5041 \\ w = & 48 \ , \ h = & 27 \ , \ x = & 52 \ , \ y = & 71 \ , \ v = & 1296 \\ w = & 29 \ , \ h = & 88 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 2552 \end{array}$

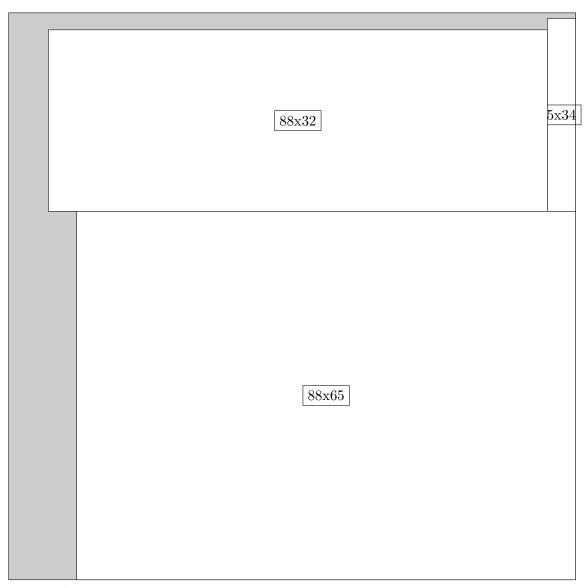


$$\le =99$$
 , h =86 , x =1 , y =0 , v =8514

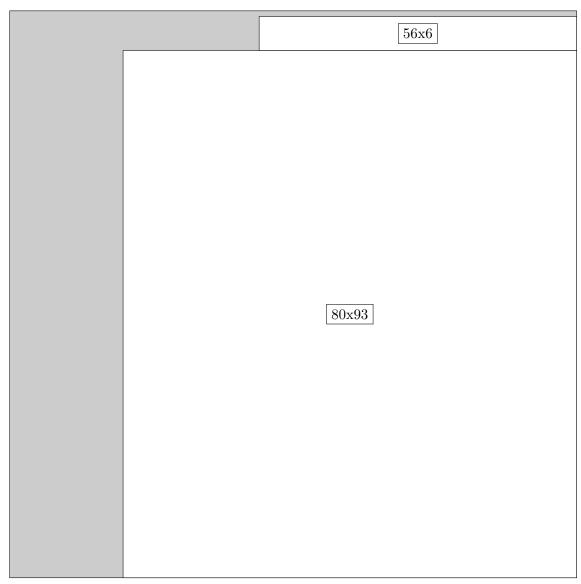
$$\le =95$$
 , h =9 , x =5 , y =86 , v =855

$$\le =92$$
 , h =1 , x =8 , y =95 , v =92

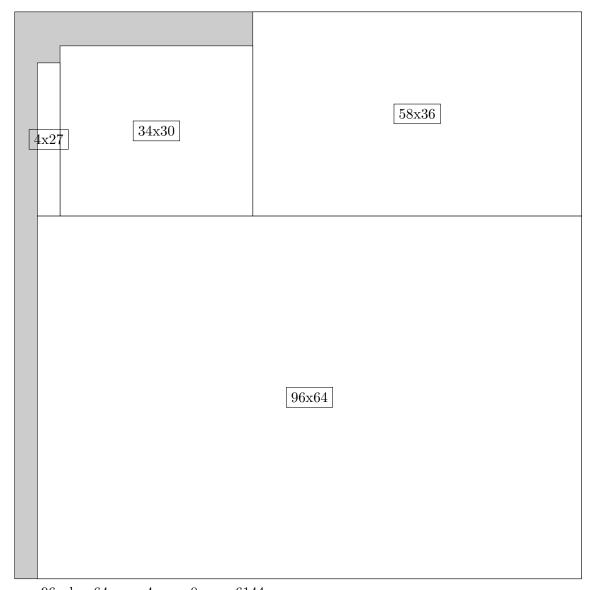
$$w$$
 =76 , h =4 , x =24 , y =96 , v =304



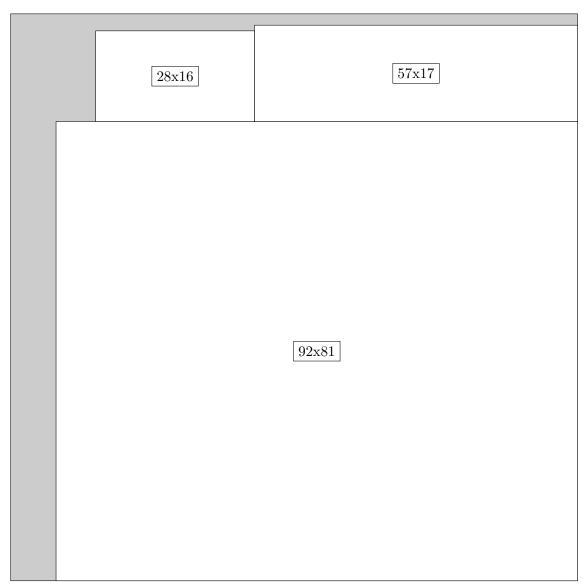
$$\begin{array}{l} w = \! 88 \;,\; h = \! 65 \;,\; x = \! 12 \;,\; y = \! 0 \;,\; v = \! 5720 \\ w = \! 5 \;,\; h = \! 34 \;,\; x = \! 95 \;,\; y = \! 65 \;,\; v = \! 170 \\ w = \! 88 \;,\; h = \! 32 \;,\; x = \! 7 \;,\; y = \! 65 \;,\; v = \! 2816 \end{array}$$



$$\begin{array}{l} w = \!\!80 \ , \ h = \!\!93 \ , \ x = \!\!20 \ , \ y = \!\!0 \ , \ v = \!\!7440 \\ w = \!\!56 \ , \ h = \!\!6 \ , \ x = \!\!44 \ , \ y = \!\!93 \ , \ v = \!\!336 \end{array}$$

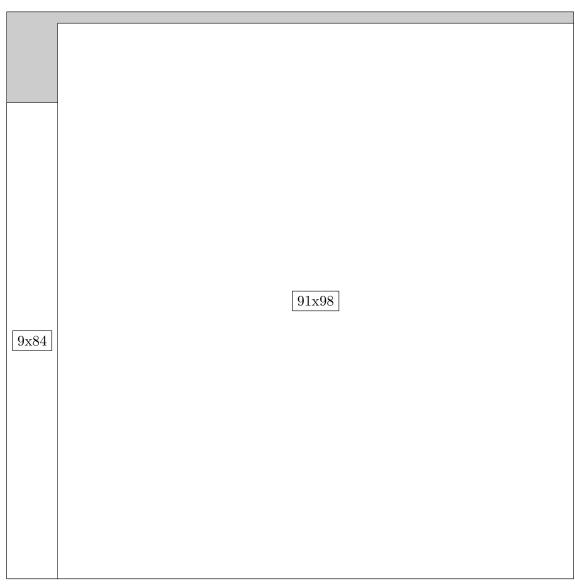


$$\begin{array}{l} w = 96 \ , \ h = 64 \ , \ x = 4 \ , \ y = 0 \ , \ v = 6144 \\ w = 58 \ , \ h = 36 \ , \ x = 42 \ , \ y = 64 \ , \ v = 2088 \\ w = 34 \ , \ h = 30 \ , \ x = 8 \ , \ y = 64 \ , \ v = 1020 \\ w = 4 \ , \ h = 27 \ , \ x = 4 \ , \ y = 64 \ , \ v = 108 \end{array}$$

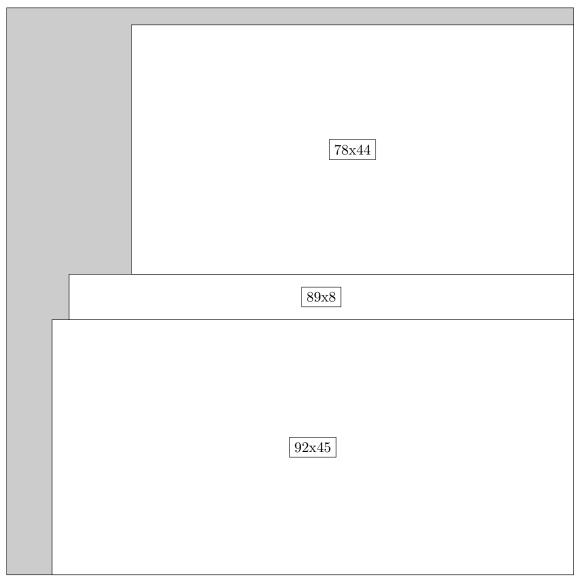


$$\begin{array}{l} w = \! 92 \ , \ h = \! 81 \ , \ x = \! 8 \ , \ y = \! 0 \ , \ v = \! 7452 \\ w = \! 57 \ , \ h = \! 17 \ , \ x = \! 43 \ , \ y = \! 81 \ , \ v = \! 969 \end{array}$$

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



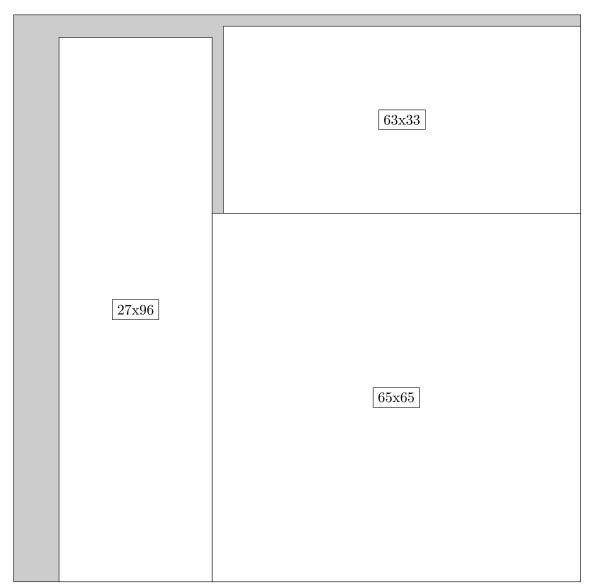
w =91, h =98, x =9, y =0, v =8918 w =9, h =84, x =0, y =0, v =756



$$w = 92$$
, $h = 45$, $x = 8$, $y = 0$, $v = 4140$

$$w$$
 =89 , h =8 , x =11 , y =45 , v =712

$$\le =78$$
 , h =44 , x =22 , y =53 , v =3432

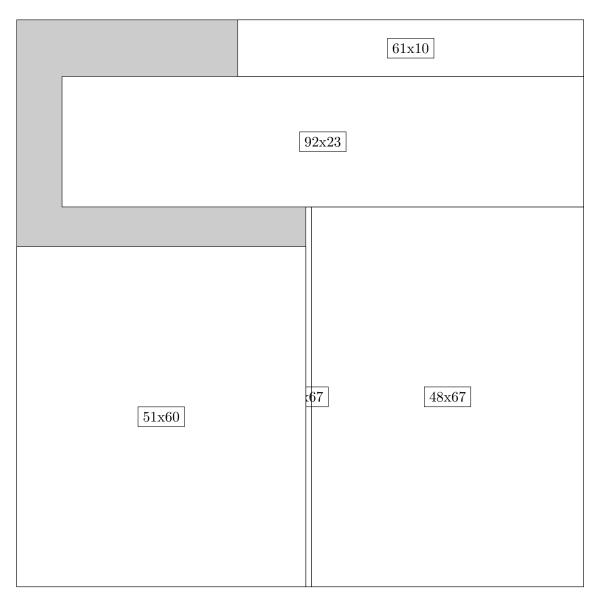


$$\begin{array}{l} w = \!65 \;,\; h = \!65 \;,\; x = \!35 \;,\; y = \!0 \;,\; v = \!4225 \\ w = \!63 \;,\; h = \!33 \;,\; x = \!37 \;,\; y = \!65 \;,\; v = \!2079 \\ w = \!27 \;,\; h = \!96 \;,\; x = \!8 \;,\; y = \!0 \;,\; v = \!2592 \end{array}$$



$$w = 6$$
, $h = 43$, $x = 2$, $y = 22$, $v = 258$

$$w = 27$$
, $h = 33$, $x = 14$, $y = 66$, $v = 891$

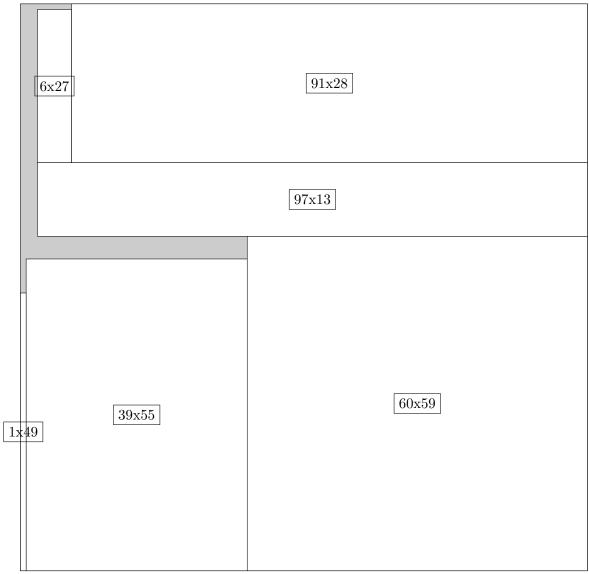


$$\begin{array}{l} w = \!\! 48 \ , \ h = \!\! 67 \ , \ x = \!\! 52 \ , \ y = \!\! 0 \ , \ v = \!\! 3216 \\ w = \!\! 1 \ , \ h = \!\! 67 \ , \ x = \!\! 51 \ , \ y = \!\! 0 \ , \ v = \!\! 67 \end{array}$$

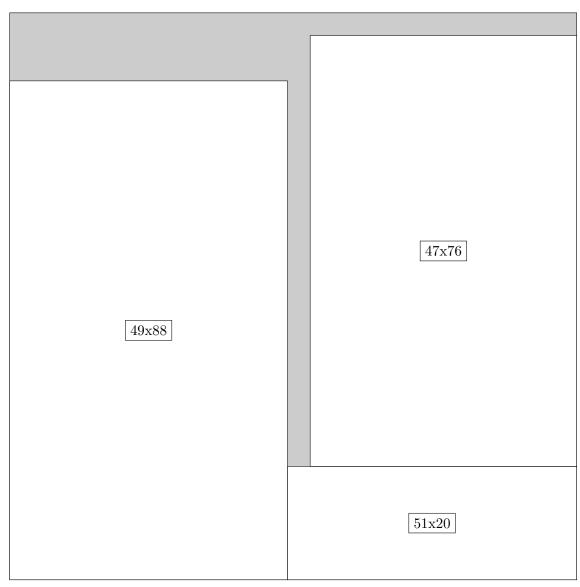
$$\le =51$$
 , h =60 , x =0 , y =0 , v =3060

$$\le =92$$
 , h =23 , x =8 , y =67 , v =2116

$$\mathbf{w}$$
 =61 , h =10 , x =39 , y =90 , v =610

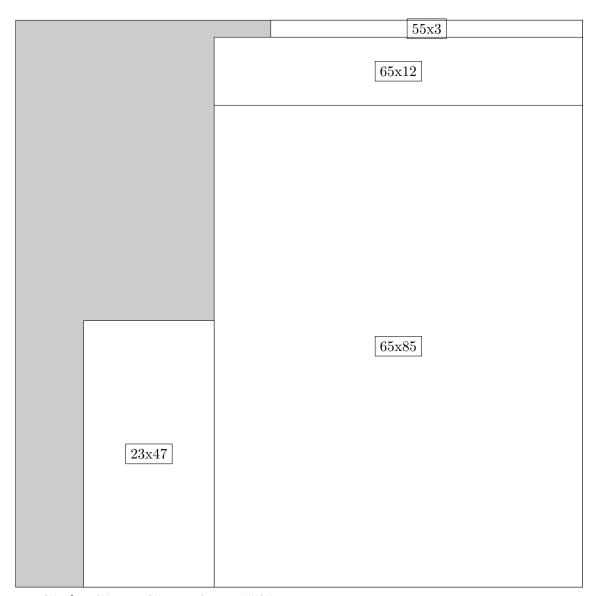


 $\begin{array}{l} w=60\ ,\ h=59\ ,\ x=40\ ,\ y=0\ ,\ v=3540\\ w=39\ ,\ h=55\ ,\ x=1\ ,\ y=0\ ,\ v=2145\\ w=1\ ,\ h=49\ ,\ x=0\ ,\ y=0\ ,\ v=49\\ w=97\ ,\ h=13\ ,\ x=3\ ,\ y=59\ ,\ v=1261\\ w=91\ ,\ h=28\ ,\ x=9\ ,\ y=72\ ,\ v=2548\\ w=6\ ,\ h=27\ ,\ x=3\ ,\ y=72\ ,\ v=162 \end{array}$

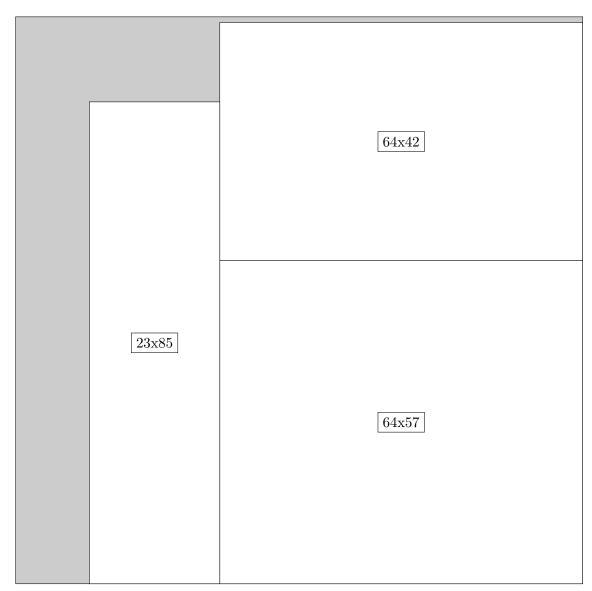


$$\begin{array}{l} w = \! 51 \ , \ h = \! 20 \ , \ x = \! 49 \ , \ y = \! 0 \ , \ v = \! 1020 \\ w = \! 47 \ , \ h = \! 76 \ , \ x = \! 53 \ , \ y = \! 20 \ , \ v = \! 3572 \end{array}$$

$$\le =49$$
 , h =88 , x =0 , y =0 , v =4312



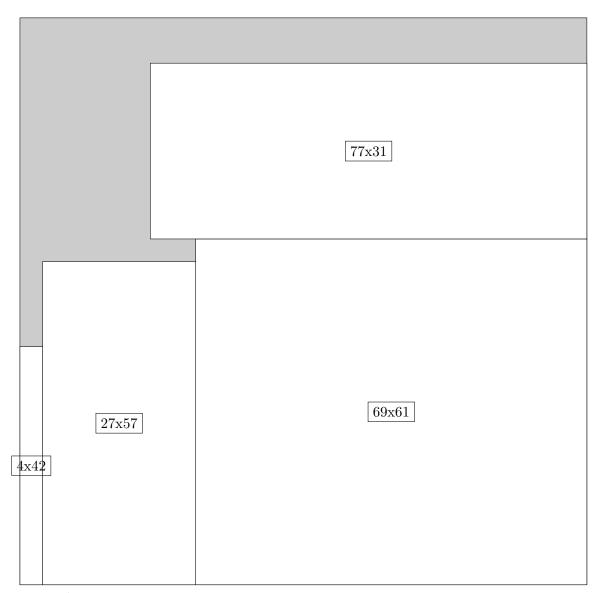
 $\begin{array}{l} w = \!65 \ , \ h = \!85 \ , \ x = \!35 \ , \ y = \!0 \ , \ v = \!5525 \\ w = \!65 \ , \ h = \!12 \ , \ x = \!35 \ , \ y = \!85 \ , \ v = \!780 \\ w = \!55 \ , \ h = \!3 \ , \ x = \!45 \ , \ y = \!97 \ , \ v = \!165 \\ w = \!23 \ , \ h = \!47 \ , \ x = \!12 \ , \ y = \!0 \ , \ v = \!1081 \end{array}$



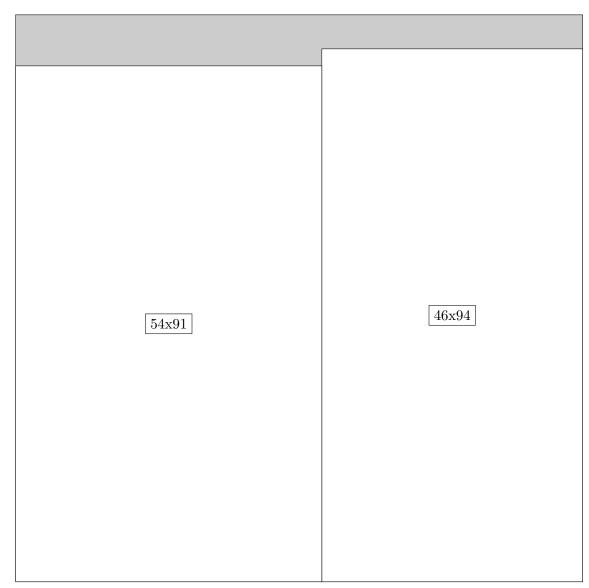
$$w = 64$$
, $h = 57$, $x = 36$, $y = 0$, $v = 3648$

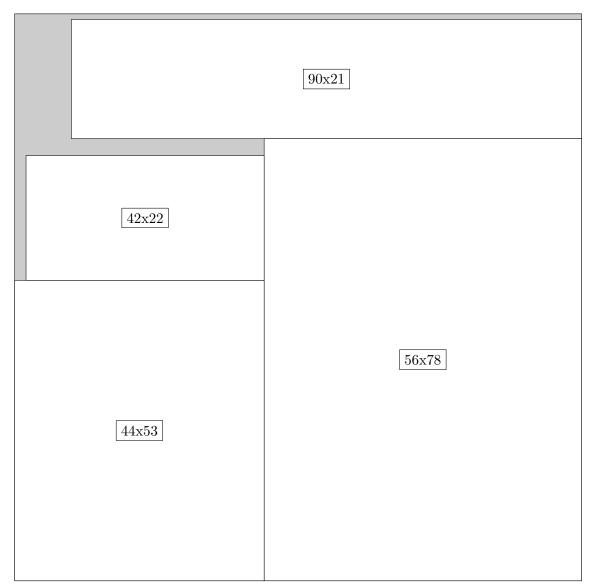
$$\le =64$$
 , h =42 , x =36 , y =57 , v =2688

$$\le =23$$
 , h =85 , x =13 , y =0 , v =1955



 $\begin{array}{l} w = 69 \; , \, h = 61 \; , \, x = 31 \; , \, y = 0 \; , \, v = 4209 \\ w = 27 \; , \, h = 57 \; , \, x = 4 \; , \, y = 0 \; , \, v = 1539 \\ w = 4 \; , \, h = 42 \; , \, x = 0 \; , \, y = 0 \; , \, v = 168 \\ w = 77 \; , \, h = 31 \; , \, x = 23 \; , \, y = 61 \; , \, v = 2387 \end{array}$



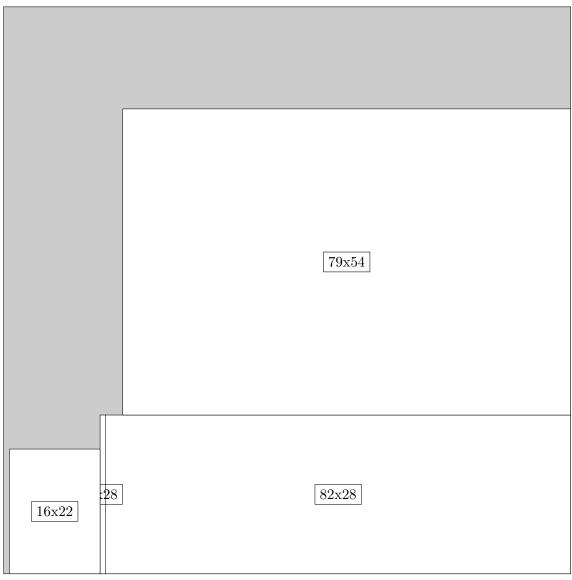


$$w = 56$$
, $h = 78$, $x = 44$, $y = 0$, $v = 4368$

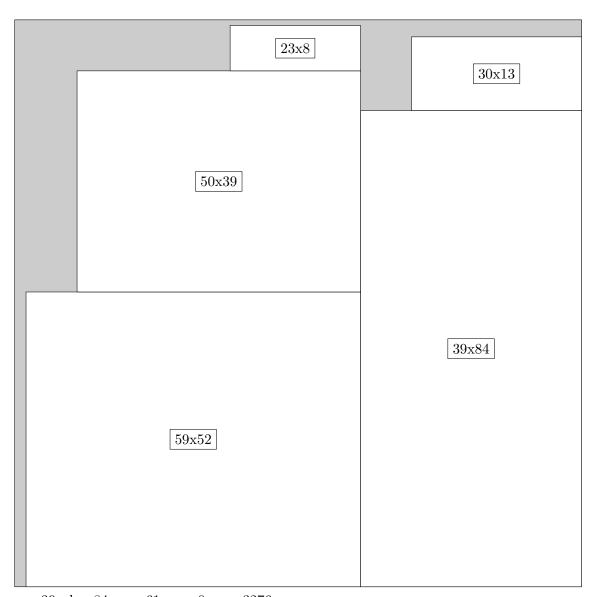
$$\le =44$$
 , h =53 , x =0 , y =0 , v =2332

$$\le =42$$
 , h =22 , x =2 , y =53 , v =924

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



$$\begin{array}{l} w = \! 82 \;, \; h = \! 28 \;, \; x = \! 18 \;, \; y = \! 0 \;, \; v = \! 2296 \\ w = \! 1 \;, \; h = \! 28 \;, \; x = \! 17 \;, \; y = \! 0 \;, \; v = \! 28 \\ w = \! 16 \;, \; h = \! 22 \;, \; x = \! 1 \;, \; y = \! 0 \;, \; v = \! 352 \\ w = \! 79 \;, \; h = \! 54 \;, \; x = \! 21 \;, \; y = \! 28 \;, \; v = \! 4266 \end{array}$$



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

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

$$\le =59$$
 , $h=52$, $x=2$, $y=0$, $v=3068$

$$w$$
 =50 , h =39 , x =11 , y =52 , v =1950

$$w$$
 =23 , h =8 , x =38 , y =91 , v =184