$ClassName: \ Class_05.2bp-34$

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

TypeNum: <u>80</u> Num: <u>80</u> OutS: <u>230000</u> InS: <u>196226</u> Rate: <u>0.853</u> UB: <u>23</u> LB0: <u>22</u>

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

LB: **23**

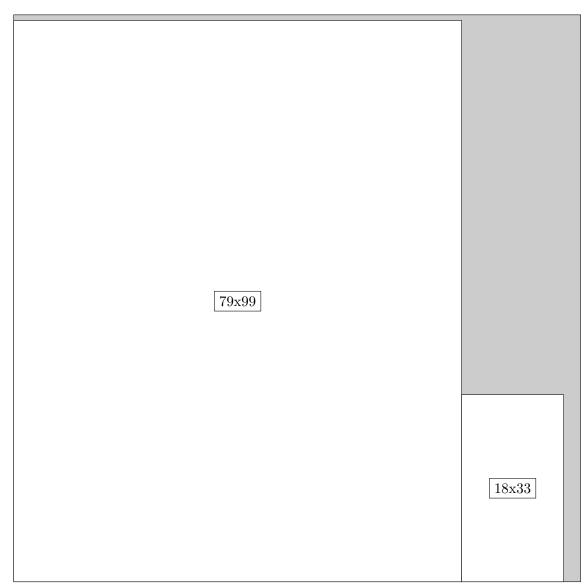
ExtendedNodeCnt: $\underline{\mathbf{1}}$

GenNodeCnt: $\underline{\mathbf{1}}$ PrimalNode: $\underline{\mathbf{0}}$ ColumnCount: $\underline{\mathbf{85}}$ TotalCutCount: $\underline{\mathbf{0}}$ RootCutCount: $\underline{\mathbf{0}}$ LPSolverCnt: $\underline{\mathbf{63}}$ PricingSolverCnt: $\underline{\mathbf{63}}$ BranchAndBoundNum: $\underline{\mathbf{1}}$

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

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

TimeOnPrimal: 0.000 sTimeOnPricing: 11.279 sTimeOnRmp: 0.107 sTotalTime: 131.472 s



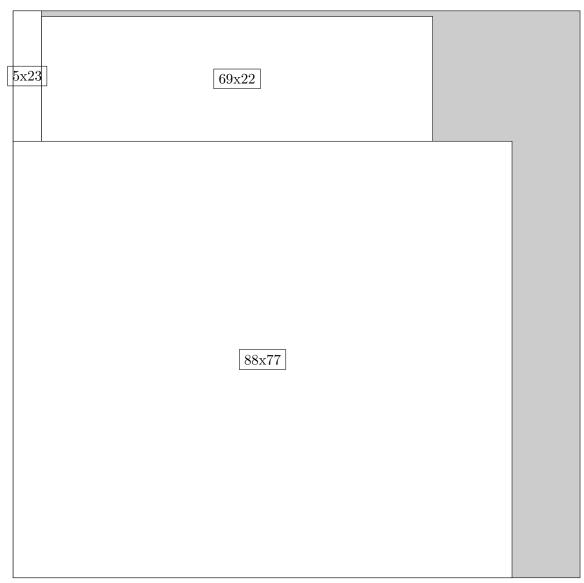
69x9	30x15
81x85	18x75

$$\le =81$$
 , $\le =85$, $\ge =0$, $\ge =0$, $\ge =6885$

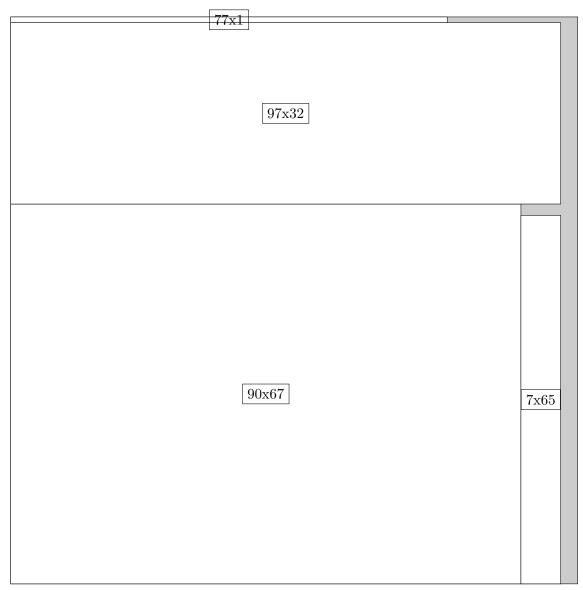
$$\le =18$$
 , h =75 , x =81 , y =0 , v =1350

$$\le =69$$
 , h =9 , x =0 , y =85 , v =621

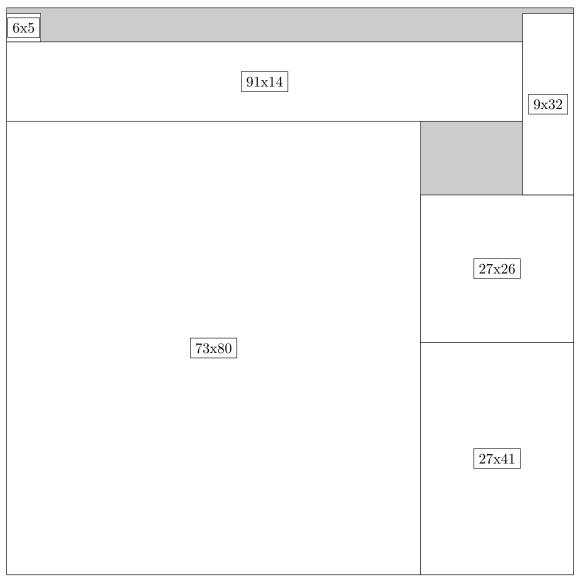
$$\le =30$$
 , h =15 , x =70 , y =85 , v =450



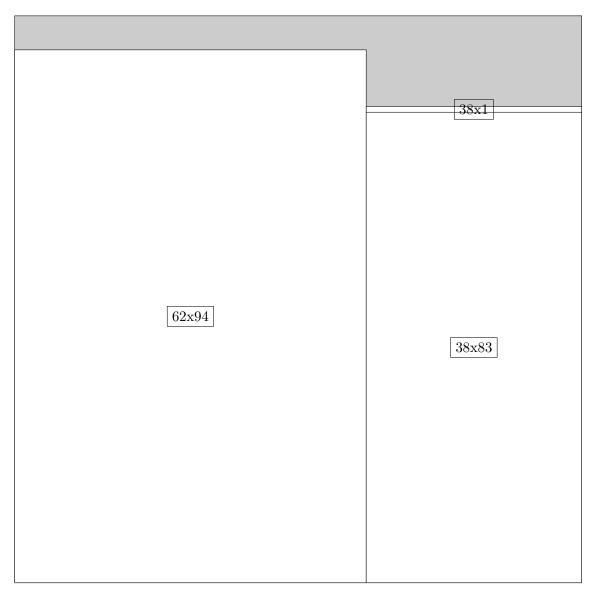
$$\begin{array}{l} w = \! 88 \; , \; h = \! 77 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 6776 \\ w = \! 69 \; , \; h = \! 22 \; , \; x = \! 5 \; , \; y = \! 77 \; , \; v = \! 1518 \\ w = \! 5 \; , \; h = \! 23 \; , \; x = \! 0 \; , \; y = \! 77 \; , \; v = \! 115 \end{array}$$



$$\begin{array}{l} w = \! 90 \ , \ h = \! 67 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 6030 \\ w = \! 97 \ , \ h = \! 32 \ , \ x = \! 0 \ , \ y = \! 67 \ , \ v = \! 3104 \\ w = \! 7 \ , \ h = \! 65 \ , \ x = \! 90 \ , \ y = \! 0 \ , \ v = \! 455 \\ w = \! 77 \ , \ h = \! 1 \ , \ x = \! 0 \ , \ y = \! 99 \ , \ v = \! 77 \end{array}$$



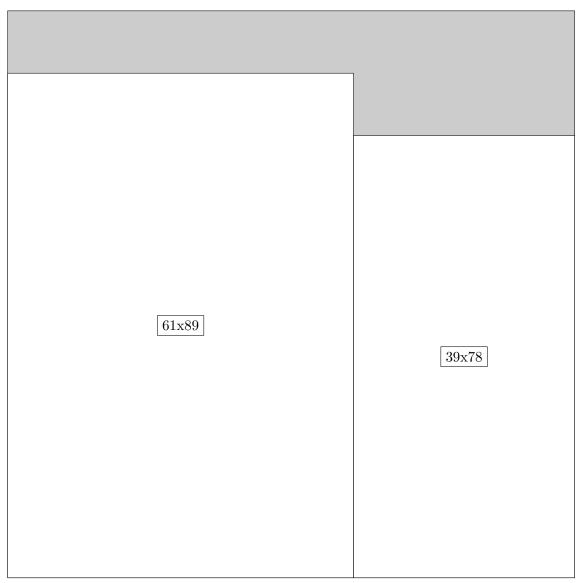
$$\begin{array}{l} w=73 \ , \ h=80 \ , \ x=0 \ , \ y=0 \ , \ v=5840 \\ w=91 \ , \ h=14 \ , \ x=0 \ , \ y=80 \ , \ v=1274 \\ w=27 \ , \ h=41 \ , \ x=73 \ , \ y=0 \ , \ v=1107 \\ w=27 \ , \ h=26 \ , \ x=73 \ , \ y=41 \ , \ v=702 \\ w=9 \ , \ h=32 \ , \ x=91 \ , \ y=67 \ , \ v=288 \\ w=6 \ , \ h=5 \ , \ x=0 \ , \ y=94 \ , \ v=30 \end{array}$$



w = 62, h = 94, x = 0, y = 0, v = 5828

 $\le =38$, h =83 , x =62 , y =0 , v =3154

 $\le =38$, h =1 , x =62 , y =83 , v =38

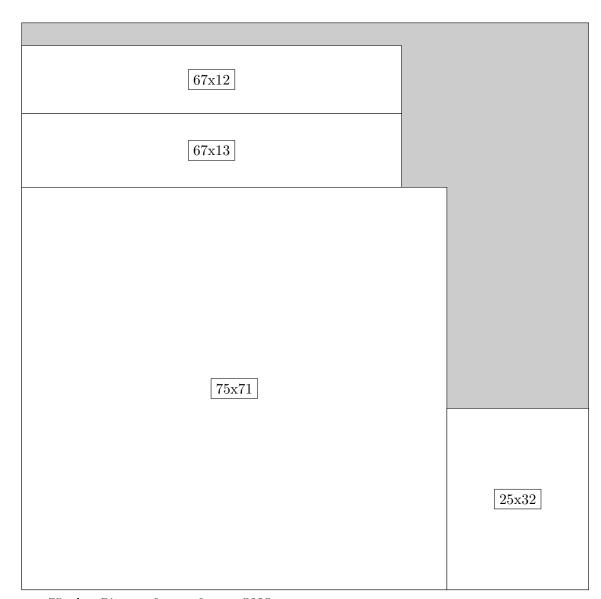


70x40	24x41
$92 \mathrm{x} 59$	

$$w = 92$$
, $h = 59$, $x = 0$, $y = 0$, $v = 5428$

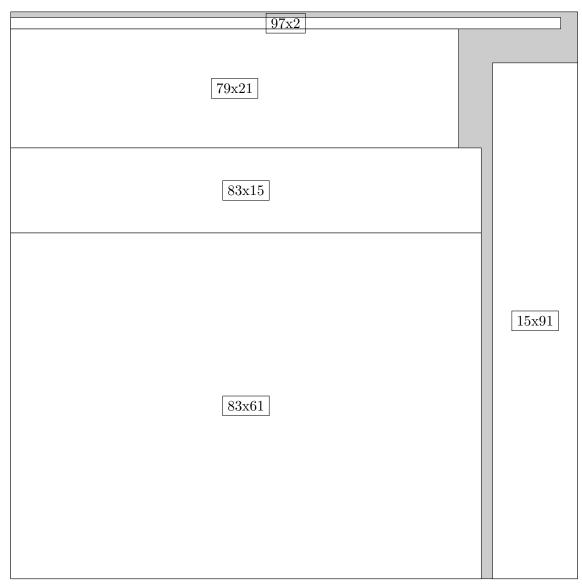
$$\le =70$$
 , h =40 , x =0 , y =59 , v =2800

$$\le =24$$
 , h =41 , x =76 , y =59 , v =984



$$\begin{array}{l} w = \!\!\! 75 \ , \ h = \!\!\! 71 \ , \ x = \!\!\! 0 \ , \ y = \!\!\! 0 \ , \ v = \!\!\! 5325 \\ w = \!\!\! 67 \ , \ h = \!\!\! 13 \ , \ x = \!\!\! 0 \ , \ y = \!\!\! 71 \ , \ v = \!\!\! 871 \\ w = \!\!\! 67 \ , \ h = \!\!\! 12 \ , \ x = \!\!\! 0 \ , \ y = \!\!\! 84 \ , \ v = \!\!\! 804 \end{array}$$

 $\le =25$, h =32 , x =75 , y =0 , v =800



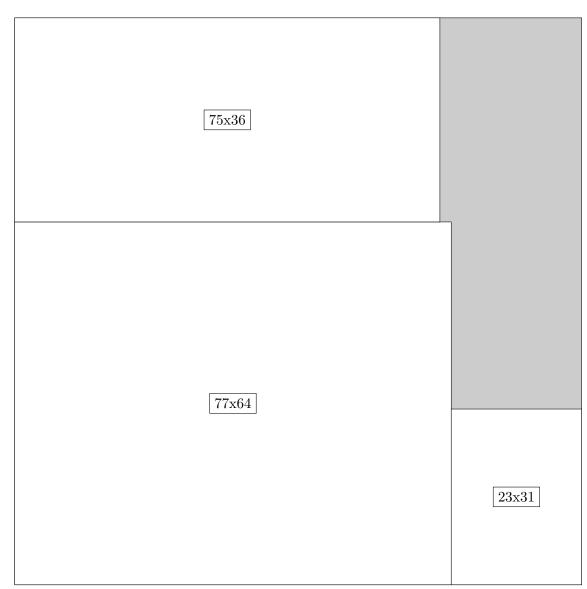
$$w = 79$$
, $h = 21$, $x = 0$, $y = 76$, $v = 1659$

$$\le =15$$
 , h =91 , x =85 , y =0 , v =1365

$$\le =83$$
 , h =15 , x =0 , y =61 , v =1245

$$\le =83$$
 , h =61 , x =0 , y =0 , v =5063

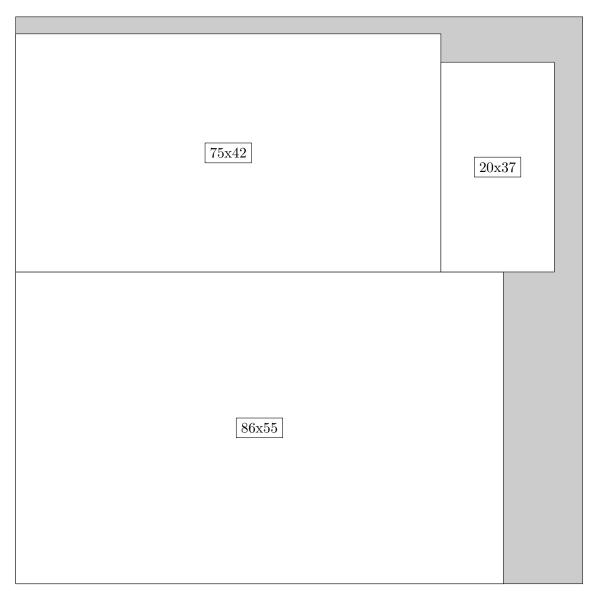
$$w = 97$$
, $h = 2$, $x = 0$, $y = 97$, $v = 194$



$$\le =77$$
 , h =64 , x =0 , y =0 , v =4928

$$\le =75$$
 , h =36 , x =0 , y =64 , v =2700

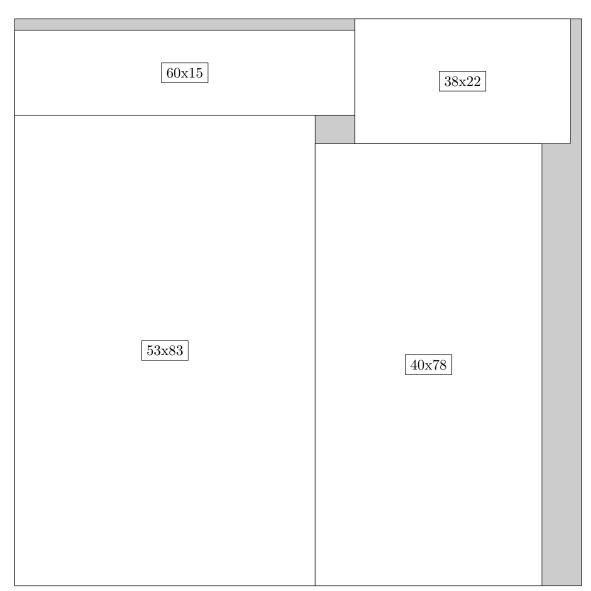
$$\le =23$$
 , h =31 , x =77 , y =0 , v =713



$$\le =86$$
 , $h=55$, $x=0$, $y=0$, $v=4730$

$$\le =75$$
 , h =42 , x =0 , y =55 , v =3150

$$\le =20$$
 , h =37 , x =75 , y =55 , v =740

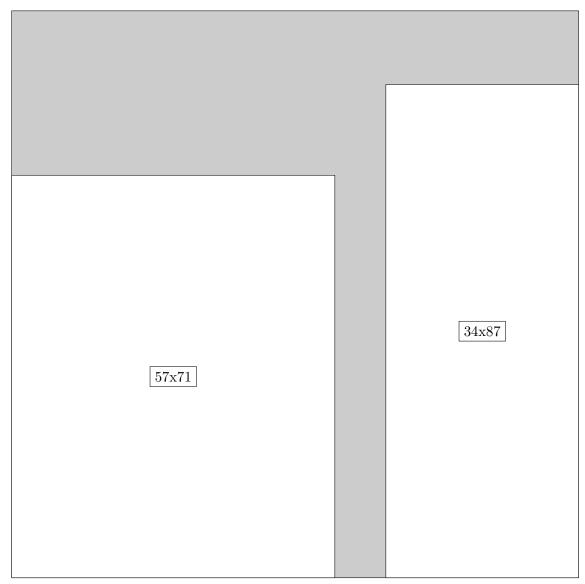


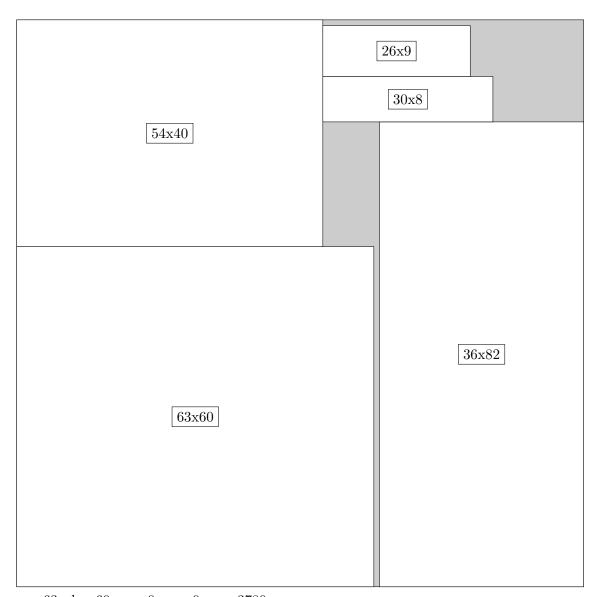
$$\le =53$$
 , h =83 , x =0 , y =0 , v =4399

$$\le =40$$
 , $h=78$, $x=53$, $y=0$, $v=3120$

$$\le =60$$
 , h =15 , x =0 , y =83 , v =900

$$\le =38$$
 , h =22 , x =60 , y =78 , v =836





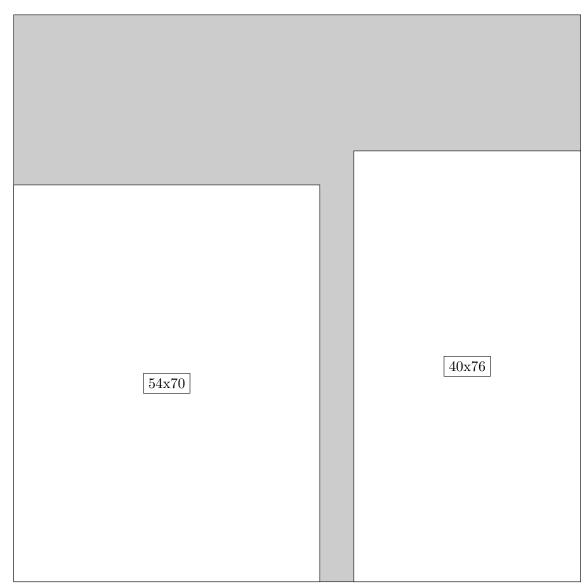
$$\le =63$$
 , h =60 , x =0 , y =0 , v =3780

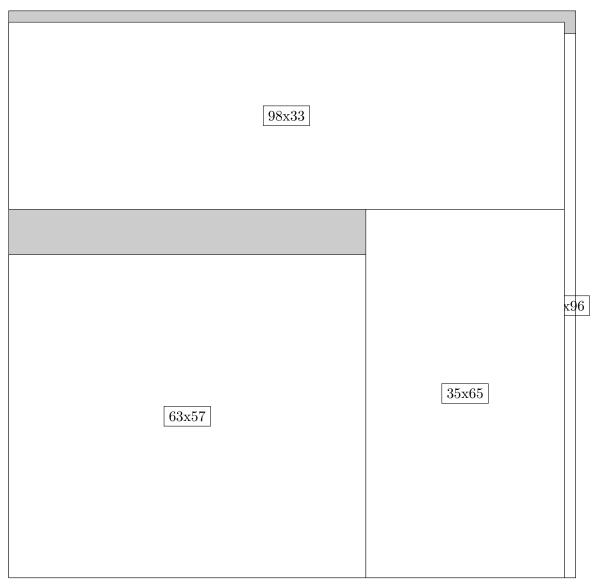
$$\le =36$$
 , h =82 , x =64 , y =0 , v =2952

$$\le =54$$
 , h =40 , x =0 , y =60 , v =2160

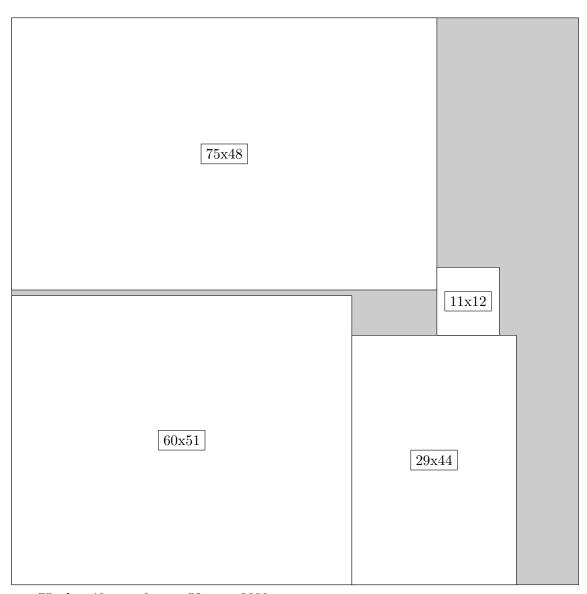
$$\le =30$$
 , h =8 , x =54 , y =82 , v =240

$$w = 26$$
, $h = 9$, $x = 54$, $y = 90$, $v = 234$





$$\begin{array}{l} w = \!63 \; , \; h = \!57 \; , \; x = \!0 \; , \; y = \!0 \; , \; v = \!3591 \\ w = \!2 \; , \; h = \!96 \; , \; x = \!98 \; , \; y = \!0 \; , \; v = \!192 \\ w = \!35 \; , \; h = \!65 \; , \; x = \!63 \; , \; y = \!0 \; , \; v = \!2275 \\ w = \!98 \; , \; h = \!33 \; , \; x = \!0 \; , \; y = \!65 \; , \; v = \!3234 \end{array}$$

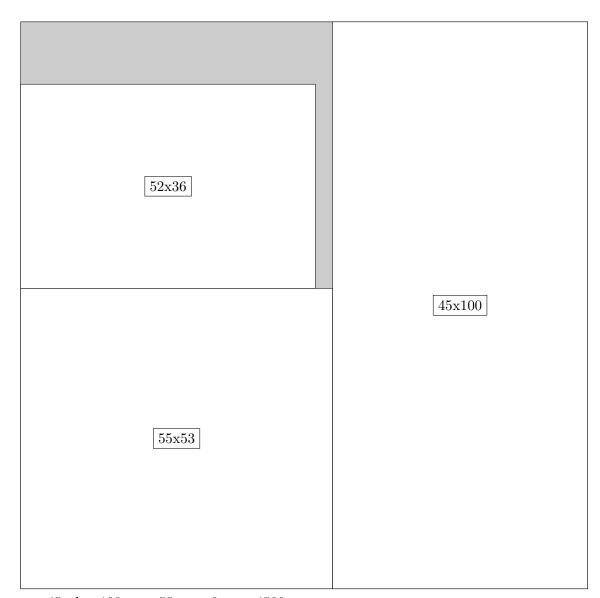


$$\le =75$$
 , h =48 , x =0 , y =52 , v =3600

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

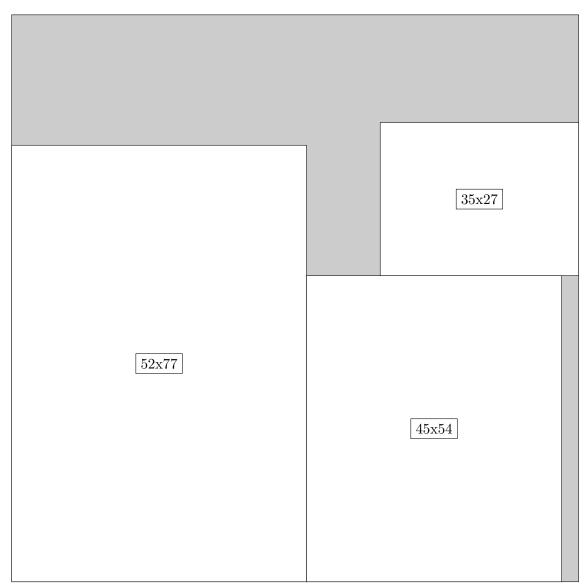
$$\le =29$$
 , h =44 , x =60 , y =0 , v =1276

$$\mathbf{w}$$
 =11 , h =12 , x =75 , y =44 , v =132



$$\begin{array}{l} w = \! 45 \ , \ h = \! 100 \ , \ x = \! 55 \ , \ y = \! 0 \ , \ v = \! 4500 \\ w = \! 55 \ , \ h = \! 53 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 2915 \end{array}$$

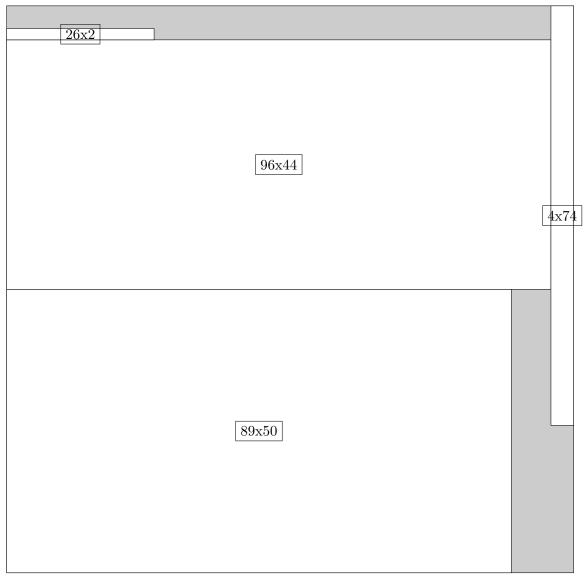
$$w = 52$$
, $h = 36$, $x = 0$, $y = 53$, $v = 1872$



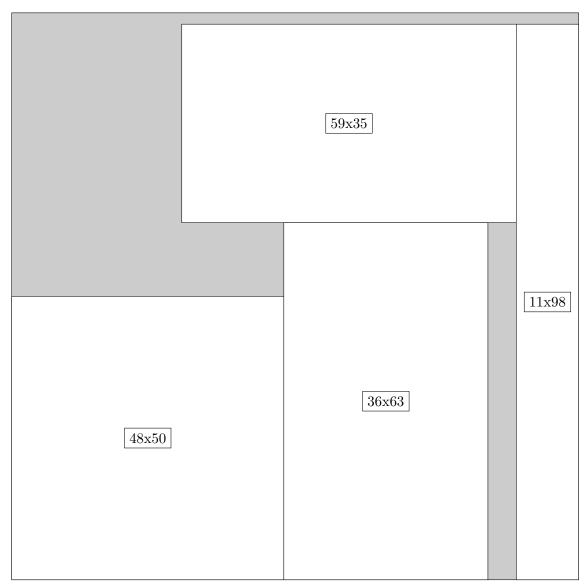
$$\le -52$$
 , h =77 , x =0 , y =0 , v =4004

$$\le =45$$
 , $h=\!54$, $x=\!52$, $y=\!0$, $v=\!2430$

$$\le =35$$
 , h =27 , x =65 , y =54 , v =945



$$\begin{array}{l} w = \! 89 \ , \ h = \! 50 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 4450 \\ w = \! 96 \ , \ h = \! 44 \ , \ x = \! 0 \ , \ y = \! 50 \ , \ v = \! 4224 \\ w = \! 4 \ , \ h = \! 74 \ , \ x = \! 96 \ , \ y = \! 26 \ , \ v = \! 296 \\ w = \! 26 \ , \ h = \! 2 \ , \ x = \! 0 \ , \ y = \! 94 \ , \ v = \! 52 \end{array}$$

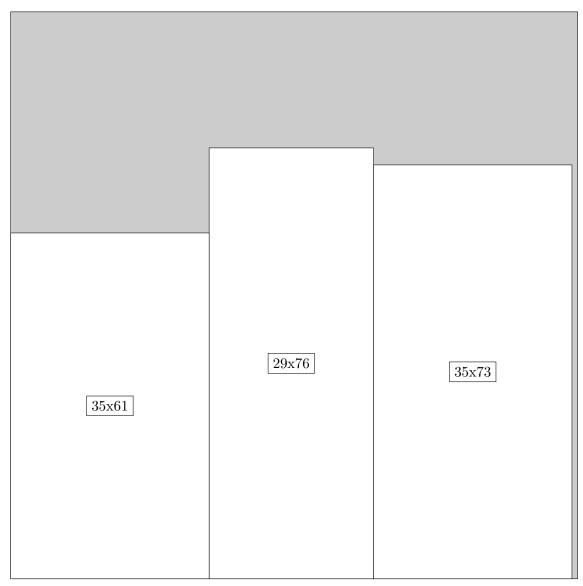


$$\mathbf{w}$$
 =48 , h =50 , x =0 , y =0 , v =2400

$$\le =36$$
 , h =63 , x =48 , y =0 , v =2268

$$\le =59$$
 , h =35 , x =30 , y =63 , v =2065

$$w=\!11$$
 , $h=\!98$, $x=\!89$, $y=\!0$, $v=\!1078$



$$w = 35$$
, $h = 73$, $x = 64$, $y = 0$, $v = 2555$

$$\le =29$$
 , h =76 , x =35 , y =0 , v =2204

$$\le =35$$
 , h =61 , x =0 , y =0 , v =2135