${\bf ClassName:}~{\bf Class_05.2bp\text{-}20}$

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

TypeNum: <u>60</u> Num: <u>60</u> OutS: <u>200000</u> InS: <u>170660</u> Rate: <u>0.853</u> UB: <u>20</u> LB0: <u>20</u> LB: <u>20</u>

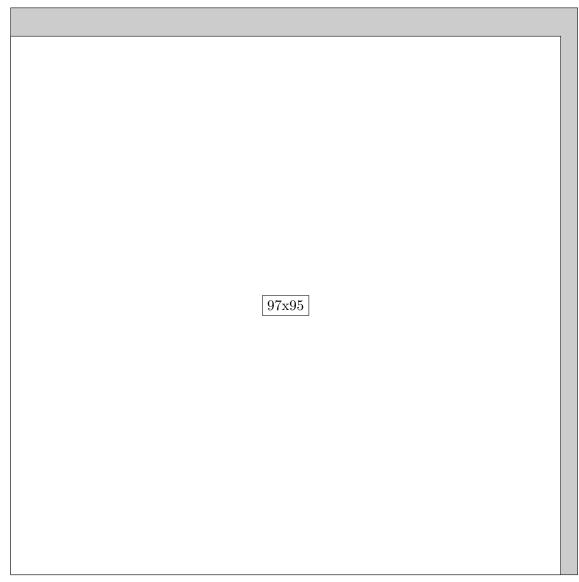
LBWithCut: $\underline{20}$ NodeCut: $\underline{0}$

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

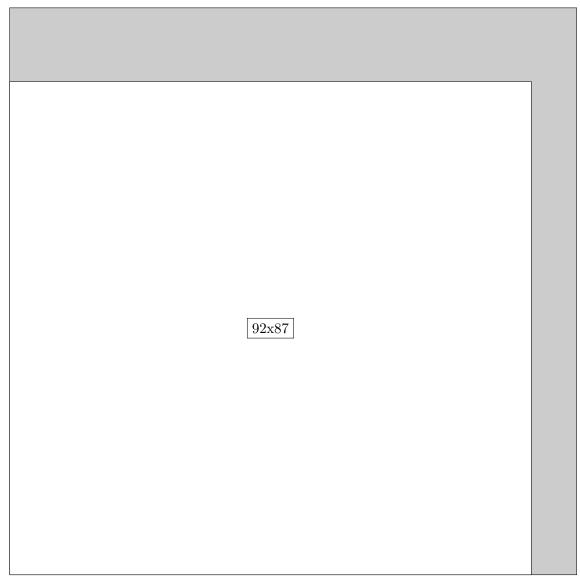
GenNodeCnt: $\underline{\mathbf{1}}$ PrimalNode: $\underline{\mathbf{0}}$ ColumnCount: $\underline{\mathbf{20}}$ TotalCutCount: $\underline{\mathbf{0}}$ RootCutCount: $\underline{\mathbf{0}}$ LPSolverCnt: $\underline{\mathbf{1}}$ PricingSolverCnt: $\underline{\mathbf{0}}$ BranchAndBoundNum: $\underline{\mathbf{1}}$

is Opt: $\underline{\mathbf{true}}$

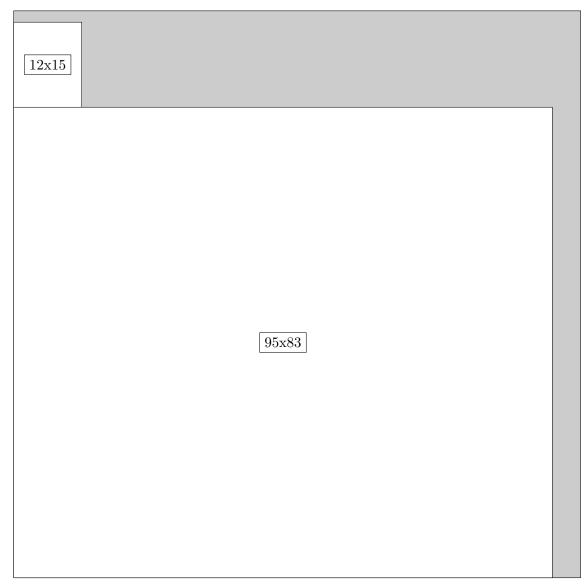
TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.072 sTotalTime: 0.145 s

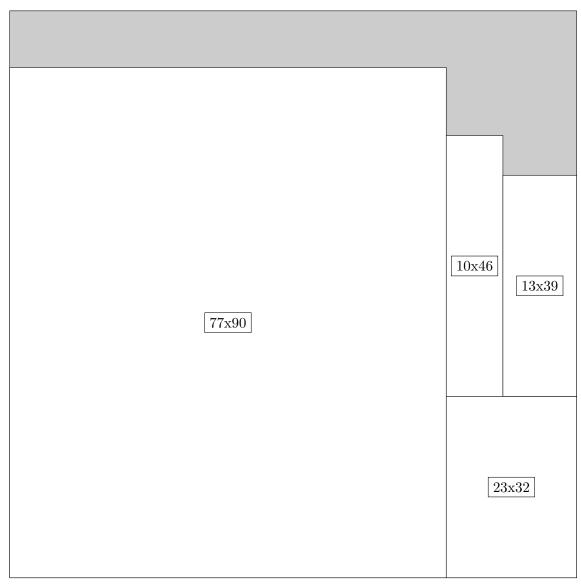


w = 97, h = 95, x = 0, y = 0, v = 9215



 $\le =92$, h =87 , x =0 , y =0 , v =8004



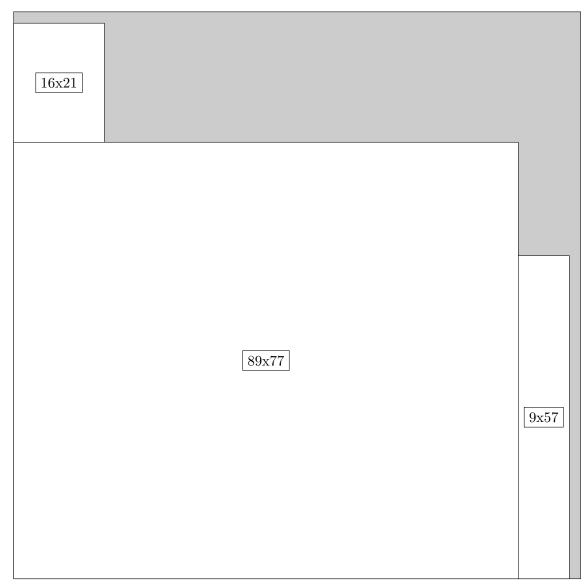


$$\mathbf{w}$$
 =77 , \mathbf{h} =90 , \mathbf{x} =0 , \mathbf{y} =0 , \mathbf{v} =6930

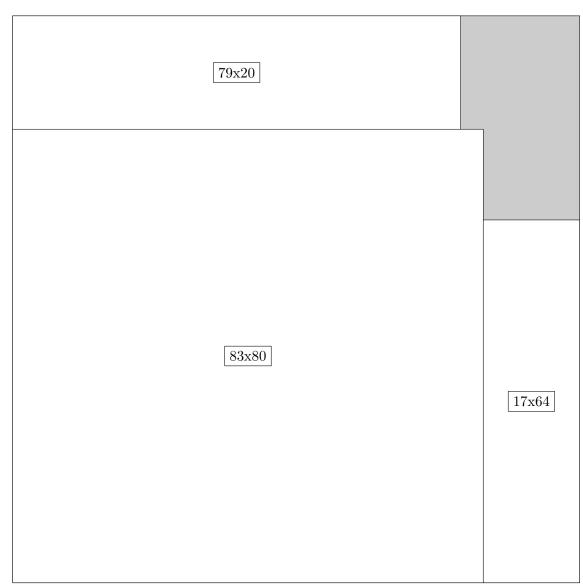
$$w$$
 =10 , h =46 , x =77 , y =32 , v =460

$$\le =23$$
 , h =32 , x =77 , y =0 , v =736

$$w=\!13$$
 , $h=\!39$, $x=\!87$, $y=\!32$, $v=\!507$



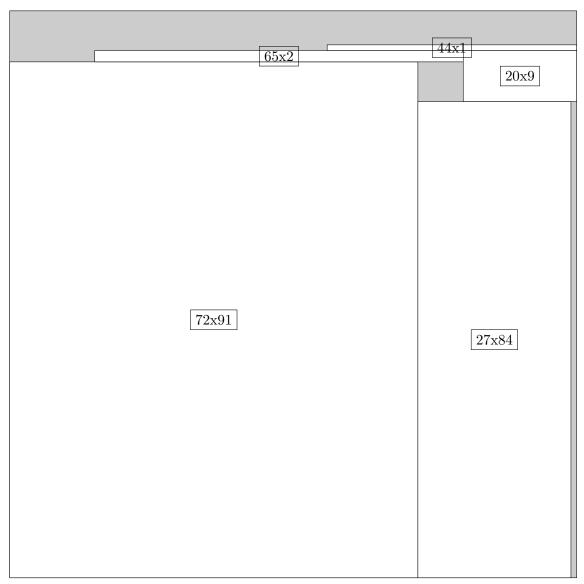
$$\begin{array}{l} w = \! 89 \; , \; h = \! 77 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 6853 \\ w = \! 9 \; , \; h = \! 57 \; , \; x = \! 89 \; , \; y = \! 0 \; , \; v = \! 513 \\ w = \! 16 \; , \; h = \! 21 \; , \; x = \! 0 \; , \; y = \! 77 \; , \; v = \! 336 \end{array}$$



$$\le =83$$
 , h =80 , x =0 , y =0 , v =6640

$$\le =79$$
 , h =20 , x =0 , y =80 , v =1580

$$\le =17$$
 , $h=64$, $x=83$, $y=0$, $v=1088$



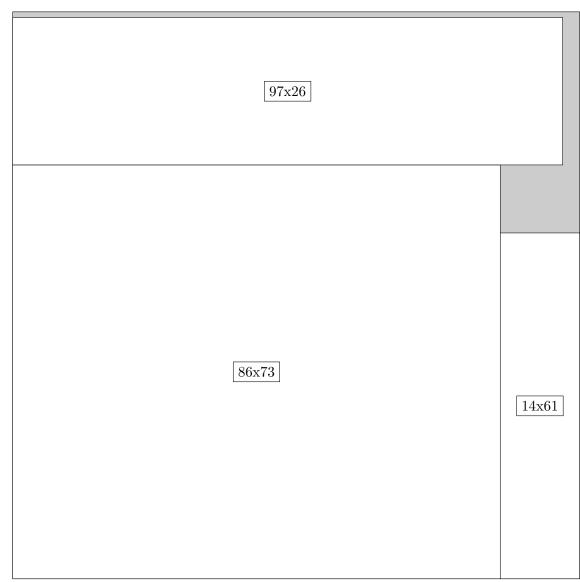
$$w = 72$$
, $h = 91$, $x = 0$, $y = 0$, $v = 6552$

$$\le =27$$
 , h =84 , x =72 , y =0 , v =2268

$$\le =20$$
 , $h=9$, $x=\!80$, $y=\!84$, $v=\!180$

$$\le =65$$
 , h =2 , x =15 , y =91 , v =130

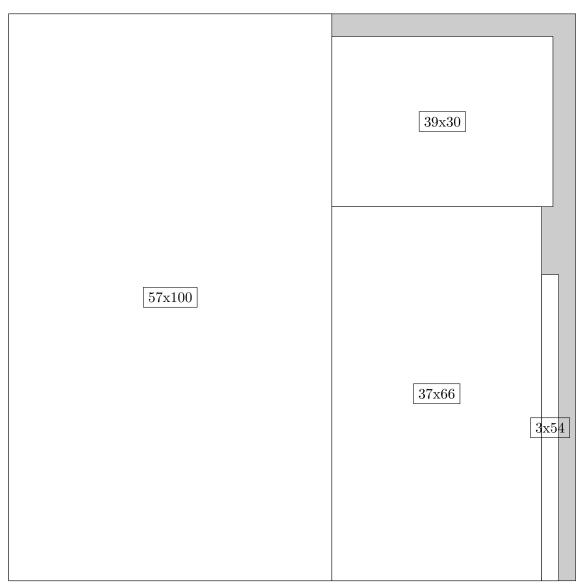
$$\mathbf{w}=\!\!44$$
 , $\mathbf{h}=\!\!1$, $\mathbf{x}=\!\!56$, $\mathbf{y}=\!\!93$, $\mathbf{v}=\!\!44$



$$\le =86$$
 , h =73 , x =0 , y =0 , v =6278

$$\le =97$$
 , h =26 , x =0 , y =73 , v =2522

$$\le =14$$
 , h =61 , x =86 , y =0 , v =854

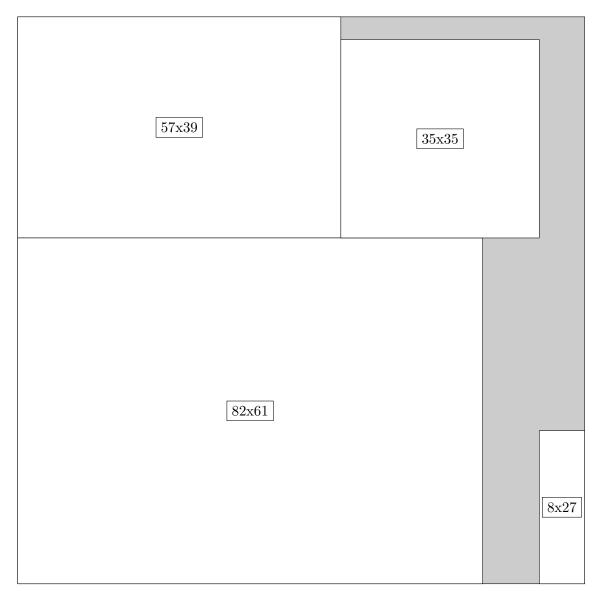


$$\le =57$$
 , $h=100$, $x=0$, $y=0$, $v=5700$

$$\le =37$$
 , h =66 , x =57 , y =0 , v =2442

$$\le =39$$
 , h =30 , x =57 , y =66 , v =1170

$$\mathbf{w}$$
 =3 , h =
54 , x =94 , y =0 , v =
162

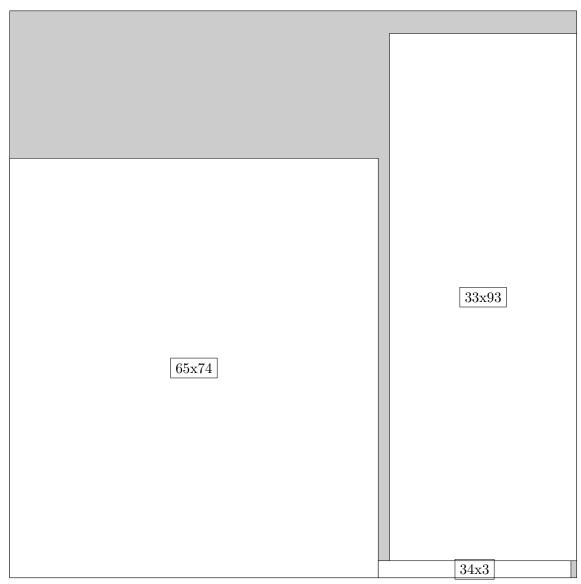


$$w = 57$$
, $h = 39$, $x = 0$, $y = 61$, $v = 2223$

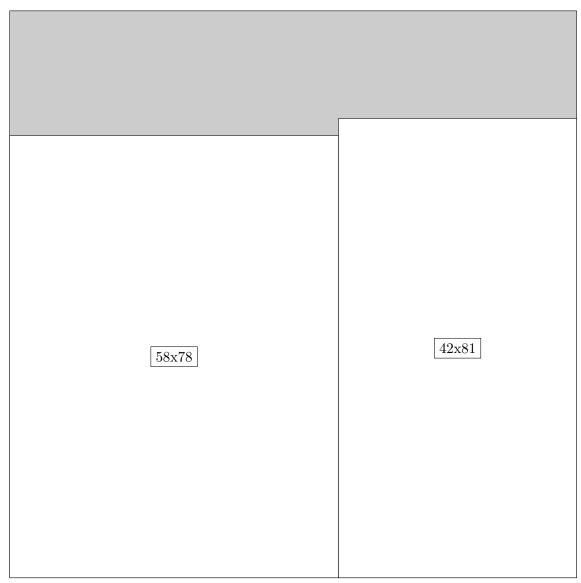
$$\le =82$$
 , h =61 , x =0 , y =0 , v =5002

$$\le =35$$
 , h =35 , x =57 , y =61 , v =1225

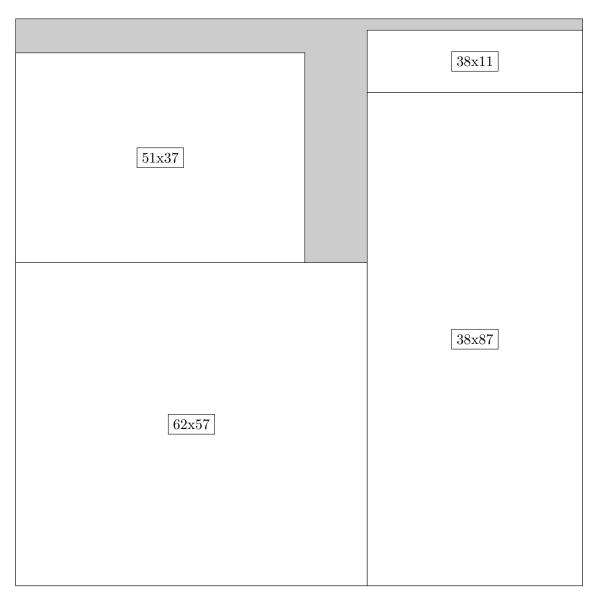
$$w=\!8$$
 , $h=\!27$, $x=\!92$, $y=\!0$, $v=\!216$



 $\begin{array}{l} w = \!65 \; , \; h = \!74 \; , \; x = \!0 \; , \; y = \!0 \; , \; v = \!4810 \\ w = \!33 \; , \; h = \!93 \; , \; x = \!67 \; , \; y = \!3 \; , \; v = \!3069 \\ w = \!34 \; , \; h = \!3 \; , \; x = \!65 \; , \; y = \!0 \; , \; v = \!102 \end{array}$



$$\begin{array}{c} w = \!\! 58 \; , \; h = \!\! 78 \; , \; x = \!\! 0 \; , \; y = \!\! 0 \; , \; v = \!\! 4524 \\ w = \!\! 42 \; , \; h = \!\! 81 \; , \; x = \!\! 58 \; , \; y = \!\! 0 \; , \; v = \!\! 3402 \end{array}$$

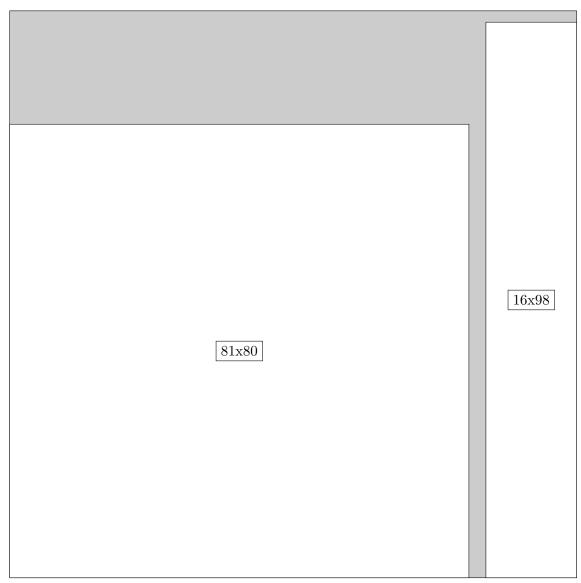


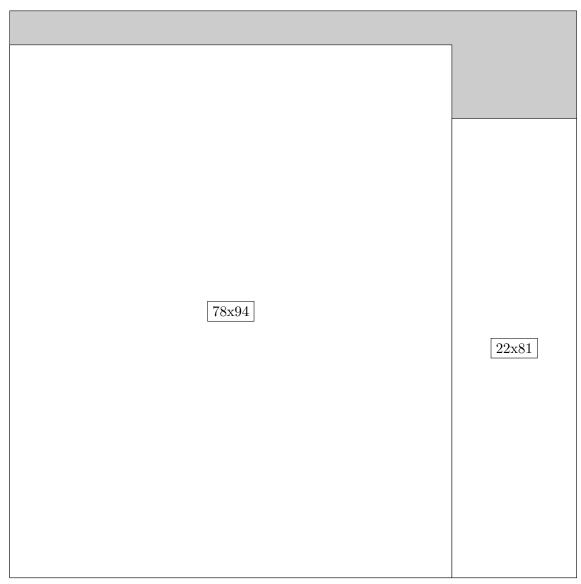
$$\le =62$$
 , $h=57$, $x=0$, $y=0$, $v=3534$

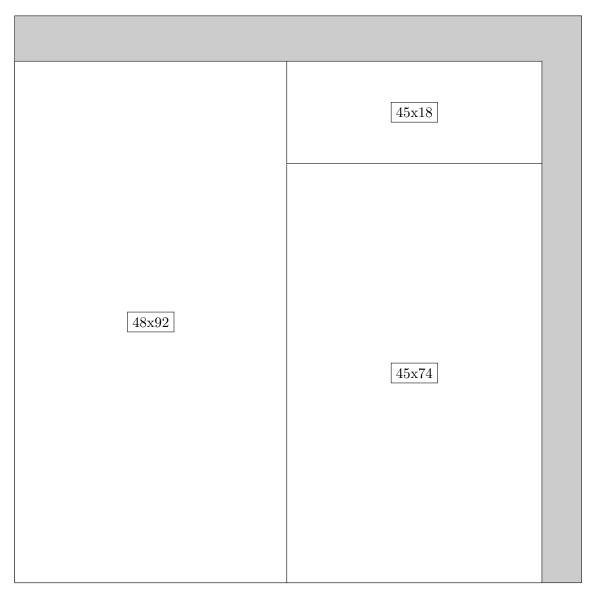
$$\le =38$$
 , h =87 , x =62 , y =0 , v =3306

$$\le =51$$
 , $h=37$, $x=0$, $y=57$, $v=1887$

$$w=\!38$$
 , $h=\!11$, $x=\!62$, $y=\!87$, $v=\!418$



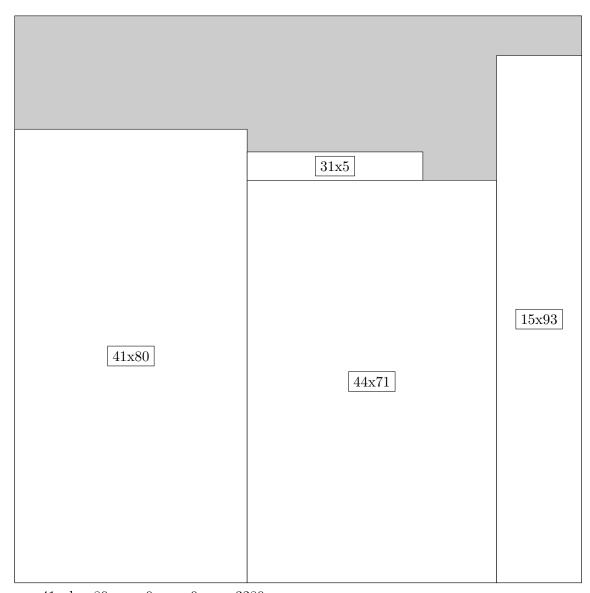




$$w = 48$$
, $h = 92$, $x = 0$, $y = 0$, $v = 4416$

$$\le =45$$
 , $h=74$, $x=48$, $y=0$, $v=3330$

$$\le =45$$
 , $h = 18$, $x = 48$, $y = 74$, $v = 810$

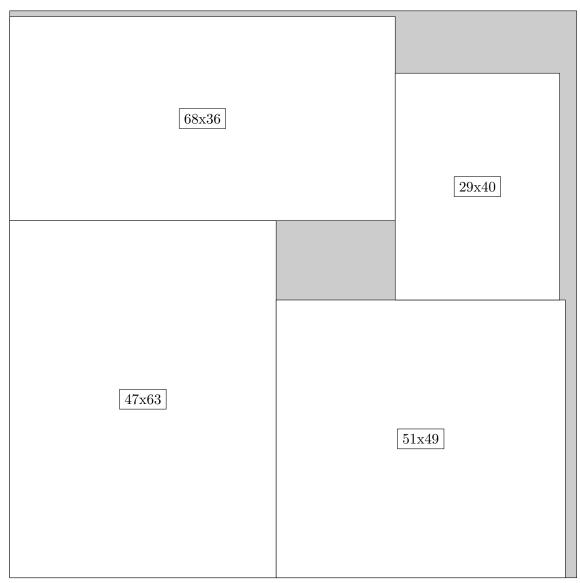


$$\begin{array}{l} w = \!\! 41 \ , \ h = \!\! 80 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 3280 \\ w = \!\! 44 \ , \ h = \!\! 71 \ , \ x = \!\! 41 \ , \ y = \!\! 0 \ , \ v = \!\! 3124 \end{array}$$

$$w = 15$$
 $h = 03$ $v = 85$ $v = 0$ $v = 1305$

$$\le =15$$
 , h =93 , x =85 , y =0 , v =1395

$$\le =31$$
 , h $=5$, x $=41$, y $=71$, v $=155$

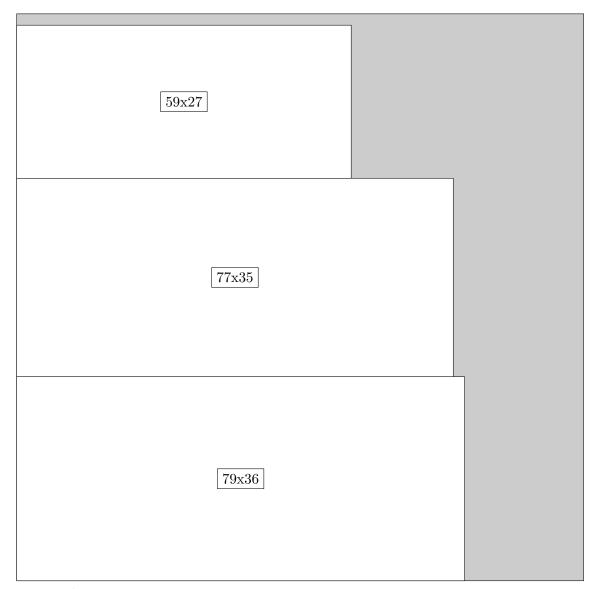


$$\le =47$$
 , $h=63$, $x=0$, $y=0$, $v=2961$

$$\le =51$$
 , h =49 , x =47 , y =0 , v =2499

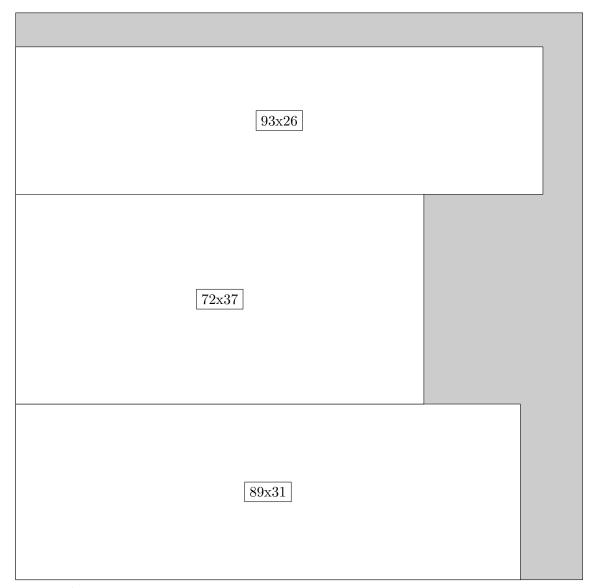
$$\le =68$$
 , h =36 , x =0 , y =63 , v =2448

$$\le =29$$
 , h =40 , x =68 , y =49 , v =1160



$$\begin{array}{l} w = \! 79 \ , \ h = \! 36 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 2844 \\ w = \! 77 \ , \ h = \! 35 \ , \ x = \! 0 \ , \ y = \! 36 \ , \ v = \! 2695 \end{array}$$

$$\mathbf{w}$$
 =59 , h =27 , x =0 , y =71 , v =1593



$$\begin{array}{l} w = \! 93 \ , \ h = \! 26 \ , \ x = \! 0 \ , \ y = \! 68 \ , \ v = \! 2418 \\ w = \! 89 \ , \ h = \! 31 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 2759 \end{array}$$

$$w = 72$$
, $h = 37$, $x = 0$, $y = 31$, $v = 2664$