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

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> LB: <u>23</u>

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

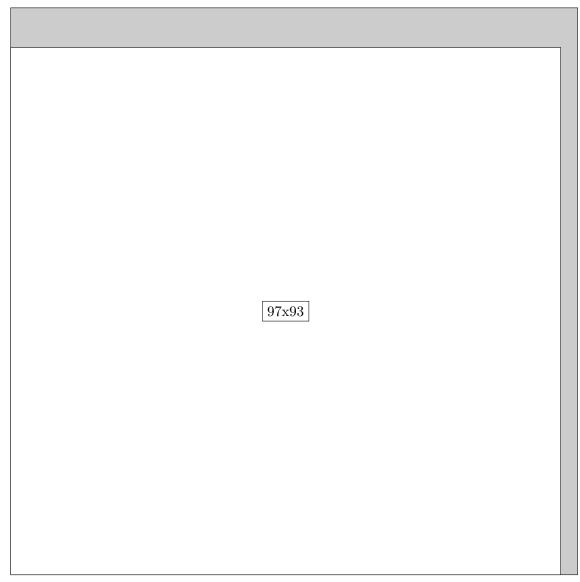
ExtendedNodeCnt: $\underline{\mathbf{1}}$

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

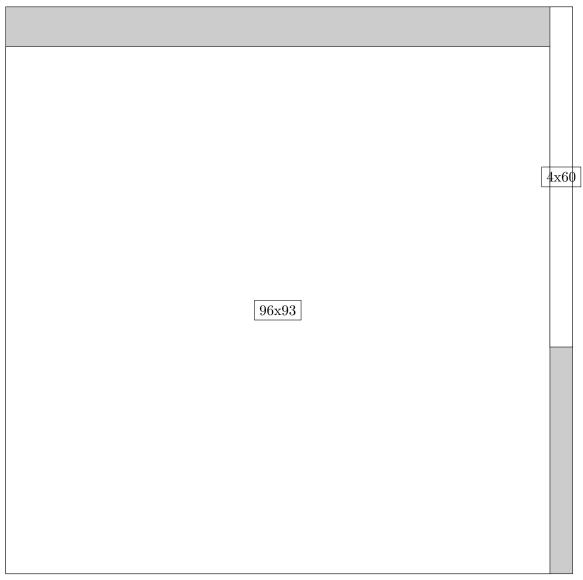
isOpt: $\underline{\mathbf{true}}$

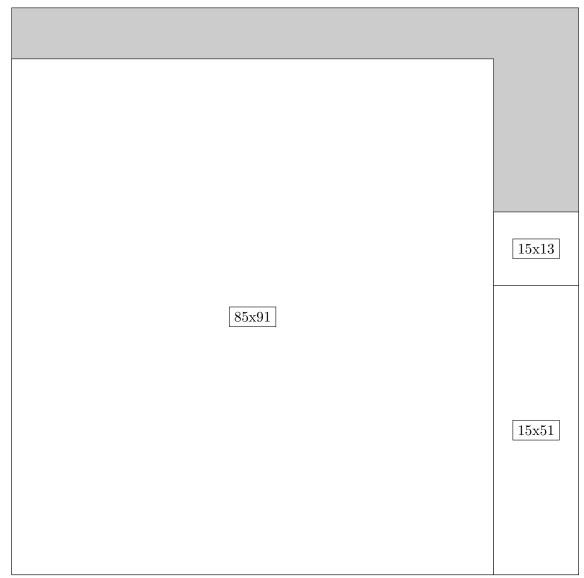
TimeOnInitSolution: $\underline{120.010 \text{ s}}$

TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.094 sTotalTime: 120.167 s



w = 97, h = 93, x = 0, y = 0, v = 9021





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

$$\le =15$$
 , h =51 , x =85 , y =0 , v =765

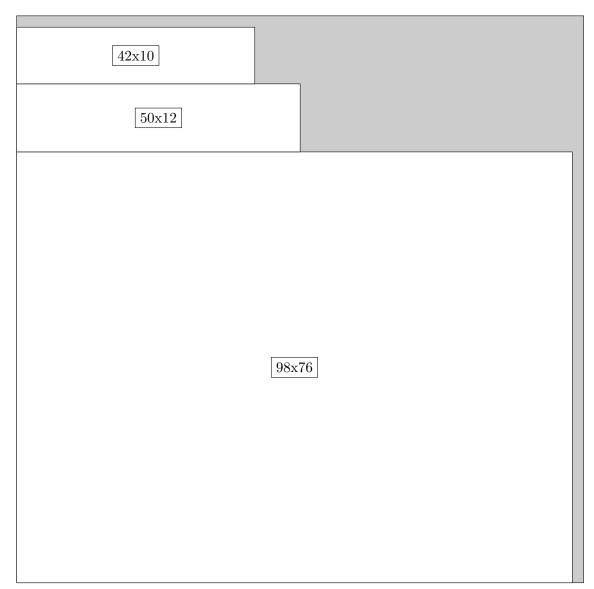
$$\le =15$$
 , h =13 , x =85 , y =51 , v =195

48x12	42x12
	7x93
93x83	

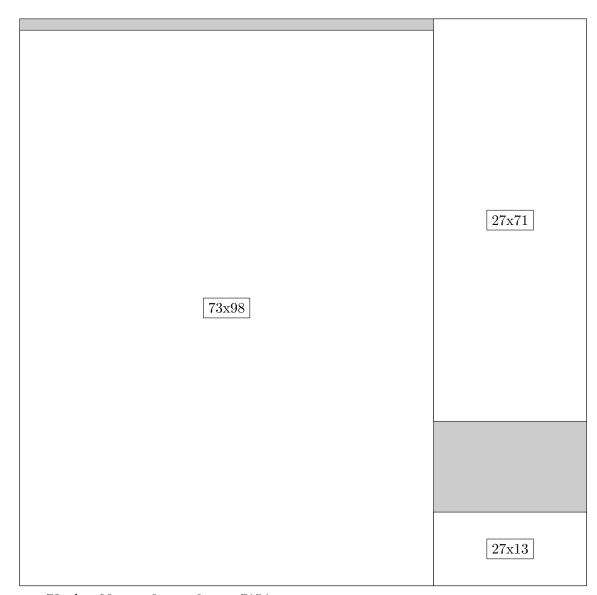
$$w = 93$$
, $h = 83$, $x = 0$, $y = 0$, $v = 7719$

$$\le =48$$
 , h =12 , x =0 , y =83 , v =576

$$w=\!\!42$$
 , $h=\!\!12$, $x=\!\!48$, $y=\!\!83$, $v=\!\!504$

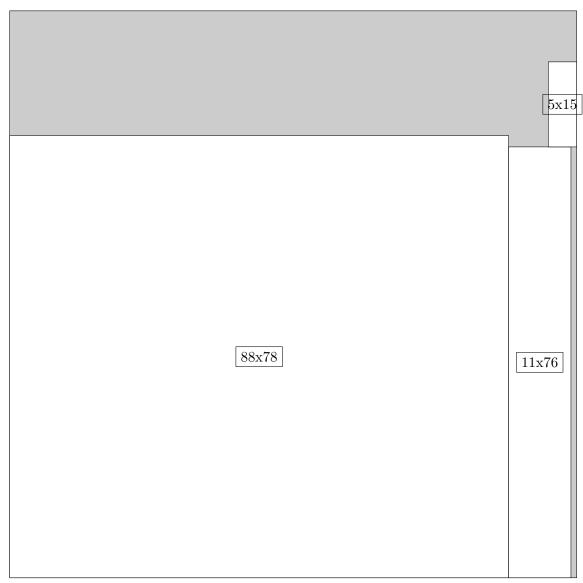


$$\begin{array}{l} w = \! 98 \ , \ h = \! 76 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 7448 \\ w = \! 50 \ , \ h = \! 12 \ , \ x = \! 0 \ , \ y = \! 76 \ , \ v = \! 600 \\ w = \! 42 \ , \ h = \! 10 \ , \ x = \! 0 \ , \ y = \! 88 \ , \ v = \! 420 \end{array}$$

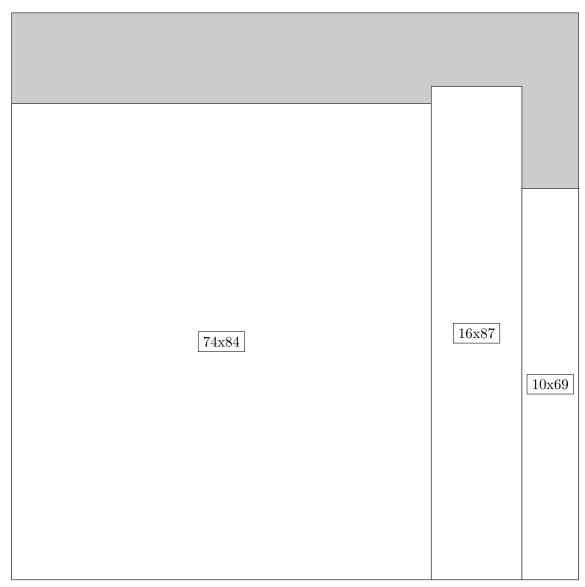


$$\begin{array}{l} w = \! 73 \ , \ h = \! 98 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 7154 \\ w = \! 27 \ , \ h = \! 71 \ , \ x = \! 73 \ , \ y = \! 29 \ , \ v = \! 1917 \end{array}$$

 $\le =27$, h =13 , x =73 , y =0 , v =351



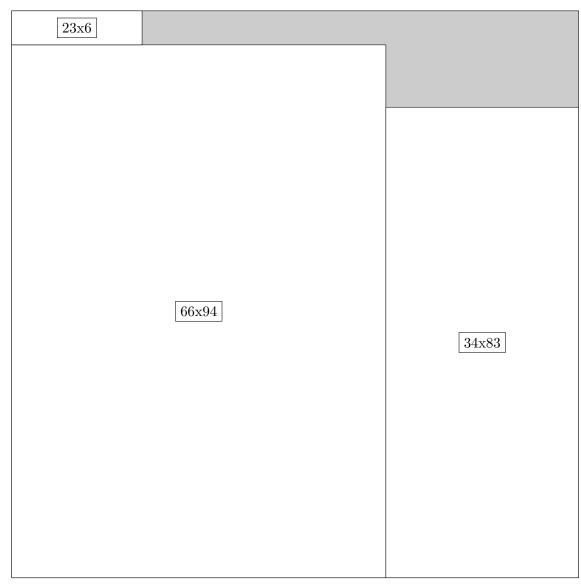
 $\begin{array}{l} w = \! 88 \; , \; h = \! 78 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 6864 \\ w = \! 11 \; , \; h = \! 76 \; , \; x = \! 88 \; , \; y = \! 0 \; , \; v = \! 836 \\ w = \! 5 \; , \; h = \! 15 \; , \; x = \! 95 \; , \; y = \! 76 \; , \; v = \! 75 \end{array}$



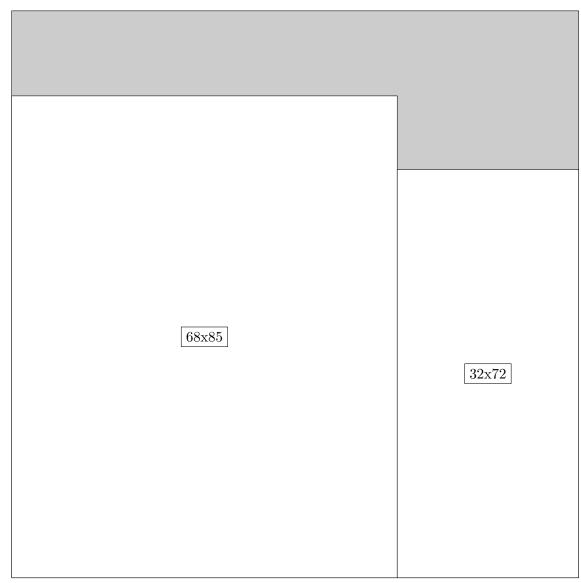
$$w$$
 =74 , h =84 , x =0 , y =0 , v =6216

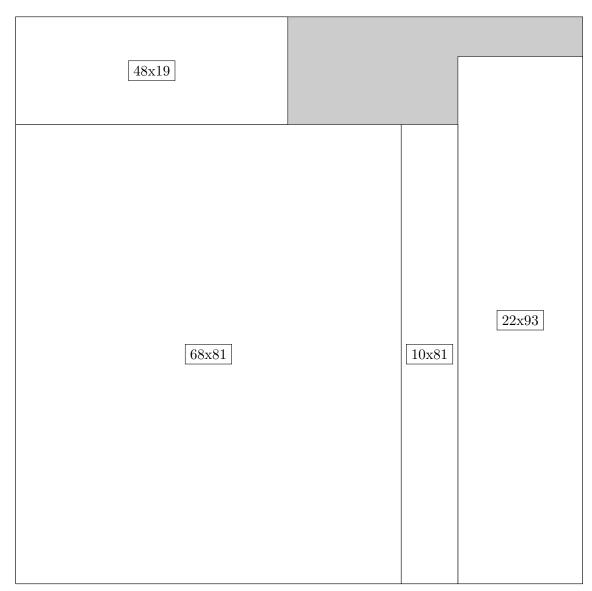
$$\le =16$$
 , $h=87$, $x=74$, $y=0$, $v=1392$

$$\le =10$$
 , h =69 , x =90 , y =0 , v =690



$$\begin{array}{l} w = \!\!66 \ , \ h = \!\!94 \ , \ x = \!\!0 \ , \ y = \!\!0 \ , \ v = \!\!6204 \\ w = \!\!34 \ , \ h = \!\!83 \ , \ x = \!\!66 \ , \ y = \!\!0 \ , \ v = \!\!2822 \\ w = \!\!23 \ , \ h = \!\!6 \ , \ x = \!\!0 \ , \ y = \!\!94 \ , \ v = \!\!138 \end{array}$$



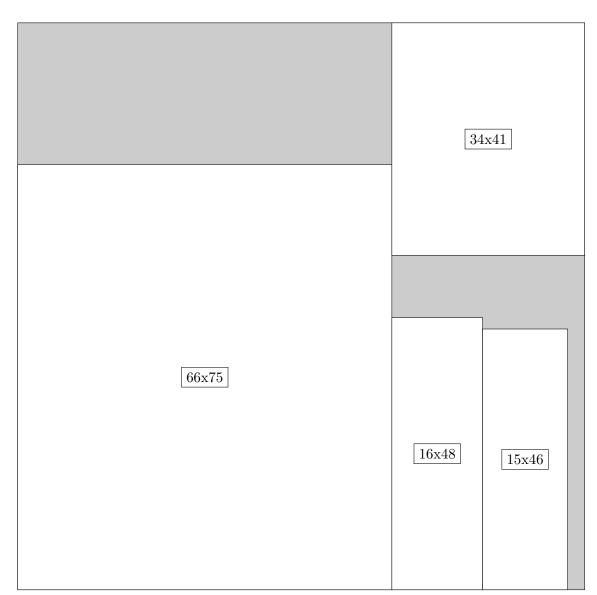


$$w$$
 =68 , h =81 , x =0 , y =0 , v =5508

$$\le =22$$
 , h =93 , x =78 , y =0 , v =2046

$$\le =48$$
 , h =19 , x =0 , y =81 , v =912

$$\mathbf{w}$$
 =10 , h =81 , x =68 , y =0 , v =810

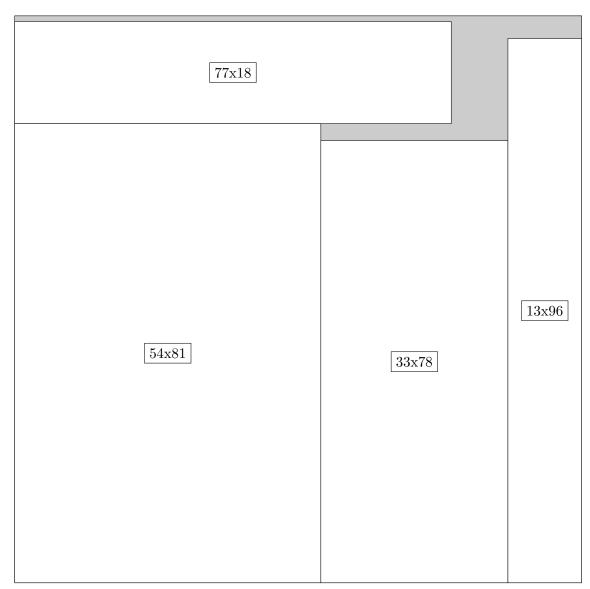


$$\mathbf{w}$$
 =66 , h =75 , x =0 , y =0 , v =4950

$$\le =34$$
 , h =41 , x =66 , y =59 , v =1394

$$\le =16$$
 , h =48 , x =66 , y =0 , v =768

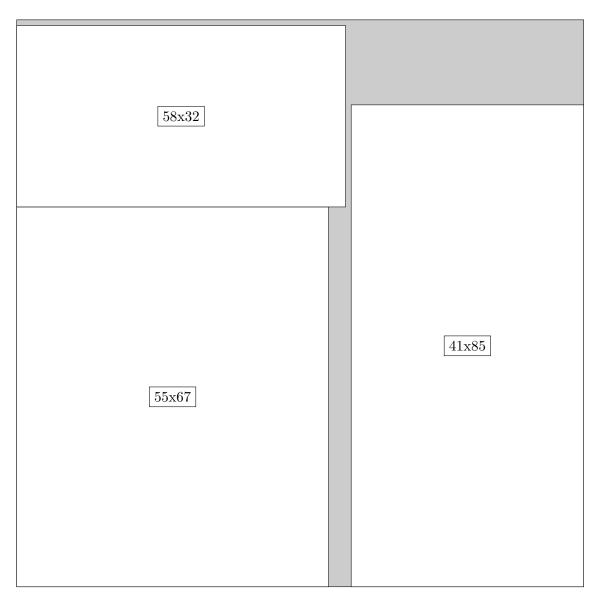
$$\le =15$$
 , $h=46$, $x=82$, $y=0$, $v=690$



$$\begin{array}{l} w = \!\!54 \ , \ h = \!\!81 \ , \ x = \!\!0 \ , \ y = \!\!0 \ , \ v = \!\!4374 \\ w = \!\!33 \ , \ h = \!\!78 \ , \ x = \!\!54 \ , \ y = \!\!0 \ , \ v = \!\!2574 \end{array}$$

$$\le =77$$
 , h =18 , x =0 , y =81 , v =1386

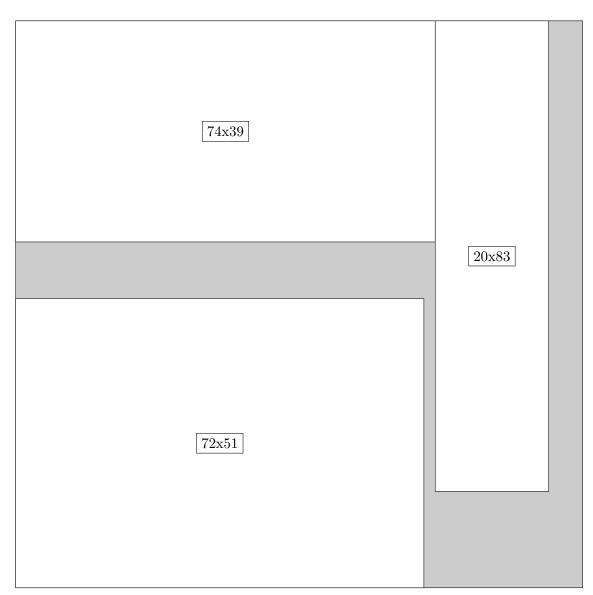
$$\mathbf{w}$$
 =13 , h =96 , x =87 , y =0 , v =1248



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

$$\le =41$$
 , $h=85$, $x=59$, $y=0$, $v=3485$

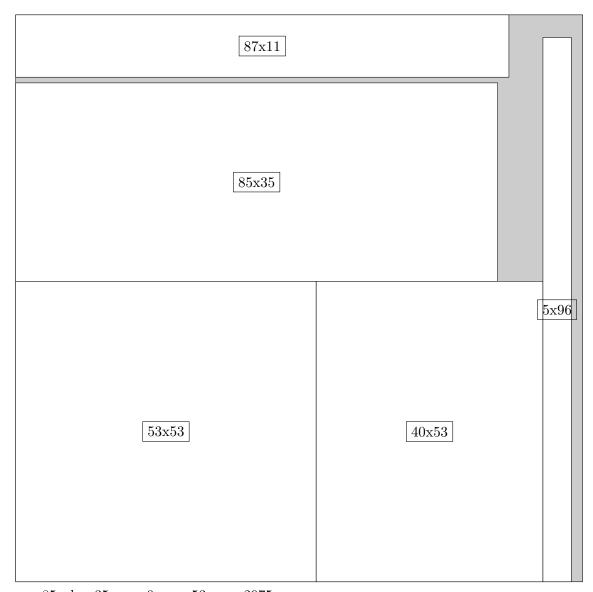
$$\le -58$$
 , h =32 , x =0 , y =67 , v =1856



$$w$$
 =72 , h =51 , x =0 , y =0 , v =3672

$$\le =74$$
 , h =39 , x =0 , y =61 , v =2886

$$\le =20$$
 , h =83 , x =74 , y =17 , v =1660

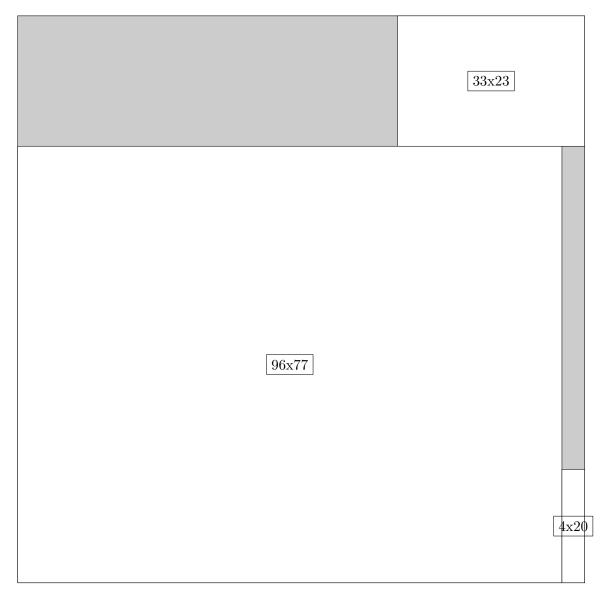


$$\begin{array}{c} w = \!\!85 \ , \ h = \!\!35 \ , \ x = \!\!0 \ , \ y = \!\!53 \ , \ v = \!\!2975 \\ w = \!\!53 \ , \ h = \!\!53 \ , \ x = \!\!0 \ , \ y = \!\!0 \ , \ v = \!\!2809 \end{array}$$

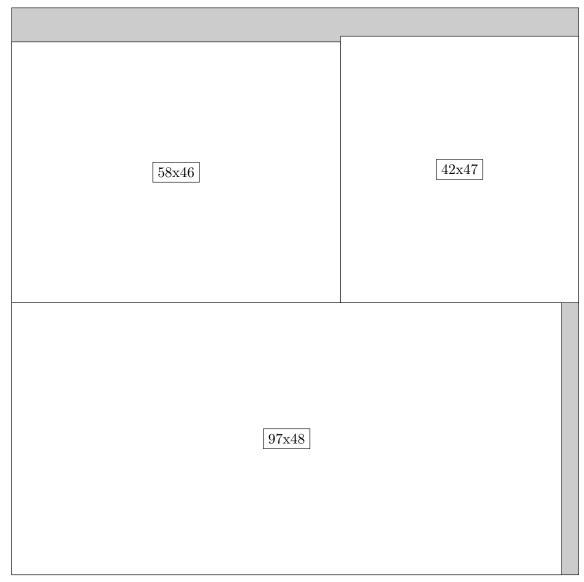
$$\le =87$$
 , h =11 , x =0 , y =89 , v =957

$$\le =40$$
 , h =53 , x =53 , y =0 , v =2120

$$\le 5$$
 , h =
96 , x =
93 , y =
0 , v =
480



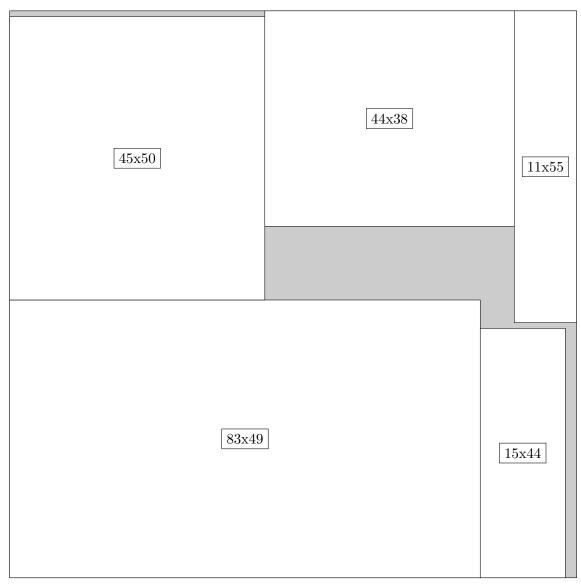
$$\begin{array}{l} w = \! 96 \ , \ h = \! 77 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 7392 \\ w = \! 33 \ , \ h = \! 23 \ , \ x = \! 67 \ , \ y = \! 77 \ , \ v = \! 759 \\ w = \! 4 \ , \ h = \! 20 \ , \ x = \! 96 \ , \ y = \! 0 \ , \ v = \! 80 \end{array}$$



$$w = \! 97 \; , \; h = \! 48 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 4656 \;$$

$$\le =58$$
 , h =46 , x =0 , y =48 , v =2668

$$\le =42$$
 , h =47 , x =58 , y =48 , v =1974



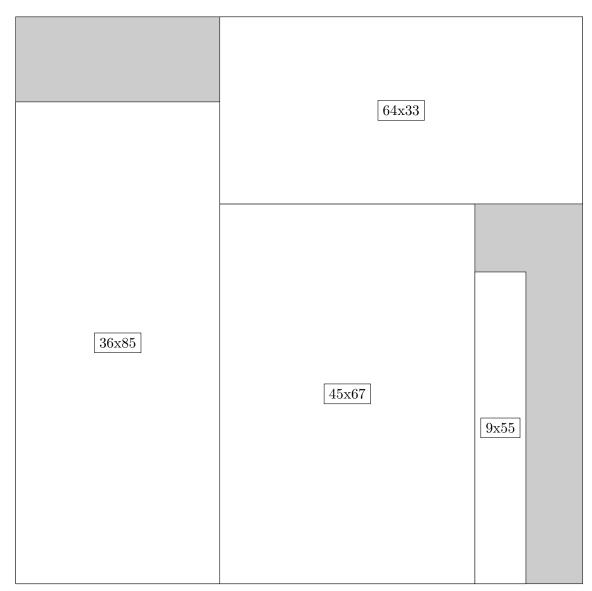
$$w = 83$$
, $h = 49$, $x = 0$, $y = 0$, $v = 4067$

$$\le =45$$
 , $h=\!50$, $x=\!0$, $y=\!49$, $v=\!2250$

$$\le =44$$
 , h =38 , x =45 , y =62 , v =1672

$$\le =15$$
 , h =44 , x =83 , y =0 , v =660

$$w$$
 =11 , h =55 , x =89 , y =45 , v =605

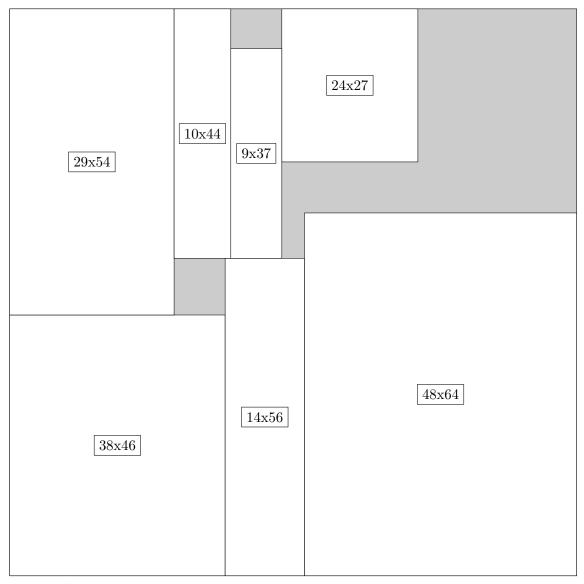


 ≤ 36 , ≤ 85 , ≥ 0 , y =0 , v = 3060

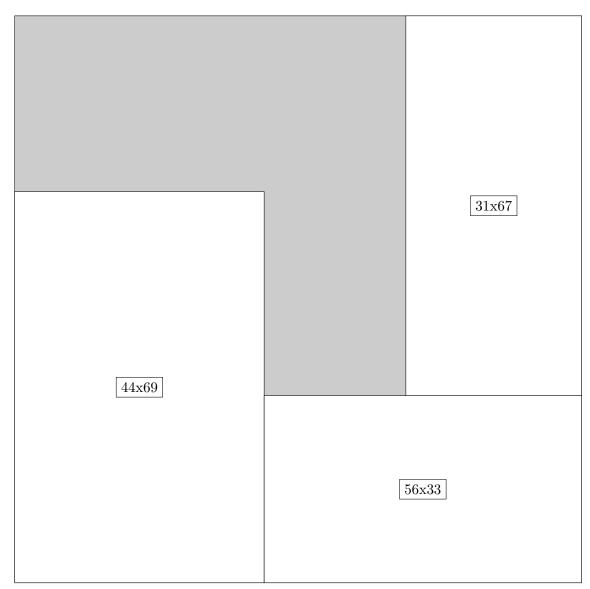
 $\le =45$, $h=\!67$, $x=\!36$, $y=\!0$, $v=\!3015$

 $\le =64$, h =33 , x =36 , y =67 , v =2112

w =9 , h =55 , x =81 , y =0 , v =495



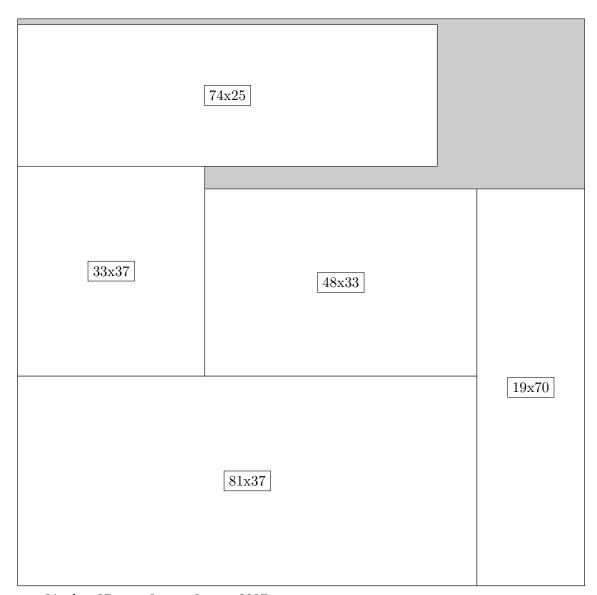
$$\begin{array}{l} w = 38 \; , \; h = 46 \; , \; x = 0 \; , \; y = 0 \; , \; v = 1748 \\ w = 29 \; , \; h = 54 \; , \; x = 0 \; , \; y = 46 \; , \; v = 1566 \\ w = 14 \; , \; h = 56 \; , \; x = 38 \; , \; y = 0 \; , \; v = 784 \\ w = 24 \; , \; h = 27 \; , \; x = 48 \; , \; y = 73 \; , \; v = 648 \\ w = 48 \; , \; h = 64 \; , \; x = 52 \; , \; y = 0 \; , \; v = 3072 \\ w = 10 \; , \; h = 44 \; , \; x = 29 \; , \; y = 56 \; , \; v = 440 \\ w = 9 \; , \; h = 37 \; , \; x = 39 \; , \; y = 56 \; , \; v = 333 \end{array}$$



w = 44, h = 69, x = 0, y = 0, v = 3036

 $\le =31$, h =67 , x =69 , y =33 , v =2077

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



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

$$\mathbf{w}$$
 =74 , h =25 , x =0 , y =74 , v =1850

$$\le =48$$
 , h =33 , x =33 , y =37 , v =1584

$$\mathbf{w}$$
 =19 , h =70 , x =81 , y =0 , v =1330

$$\le =33$$
 , h =37 , x =0 , y =37 , v =1221