$ClassName: \ Class_05.2bp-22$

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

TypeNum: <u>60</u> Num: <u>60</u> OutS: <u>190000</u> InS: <u>154680</u> Rate: <u>0.814</u> UB: <u>19</u> LB0: <u>19</u>

LBWithCut: $\underline{\mathbf{19}}$ NodeCut: $\underline{\mathbf{0}}$

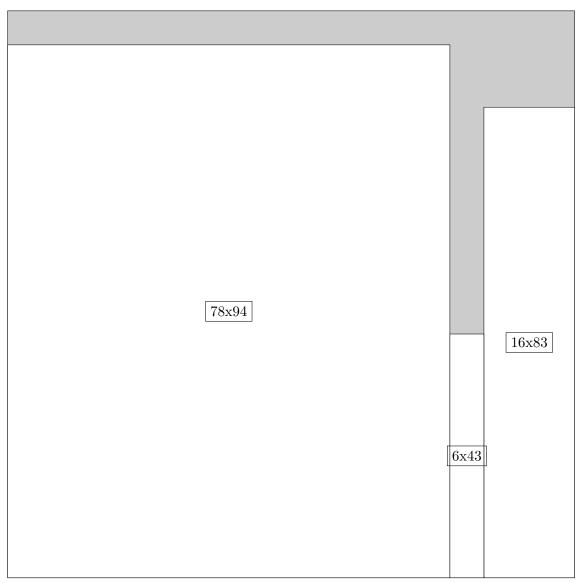
LB: **19**

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

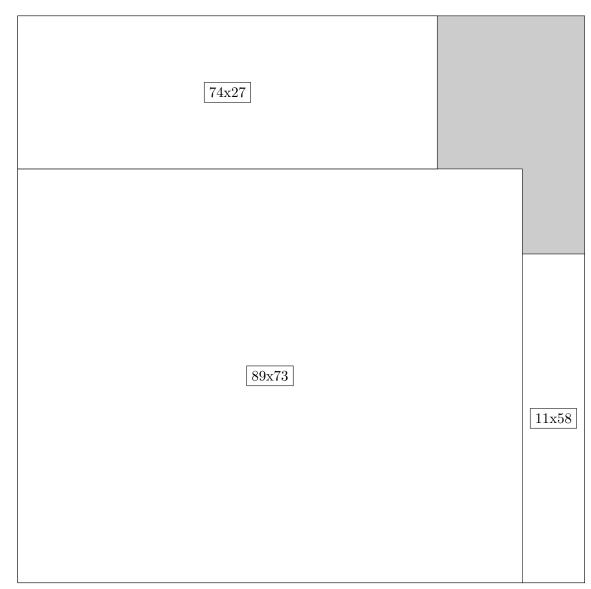
GenNodeCnt: $\underline{\mathbf{1}}$ PrimalNode: $\underline{\mathbf{0}}$ ColumnCount: $\underline{\mathbf{19}}$ TotalCutCount: $\underline{\mathbf{0}}$ RootCutCount: $\underline{\mathbf{0}}$ LPSolverCnt: $\underline{\mathbf{1}}$ PricingSolverCnt: $\underline{\mathbf{0}}$ BranchAndBoundNum: $\underline{\mathbf{1}}$

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

TimeOnInitSolution: $\underline{0.340 \text{ s}}$ TimeOnPrimal: $\underline{0.000 \text{ s}}$ TimeOnPricing: $\underline{0.000 \text{ s}}$ TimeOnRmp: $\underline{0.063 \text{ s}}$ TotalTime: $\underline{0.481 \text{ s}}$

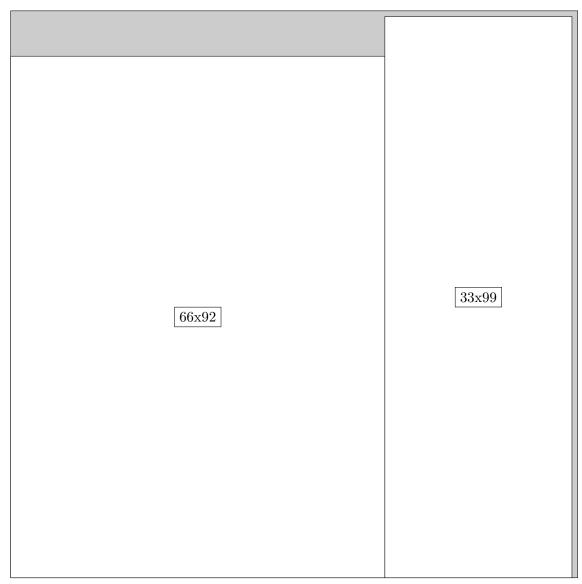


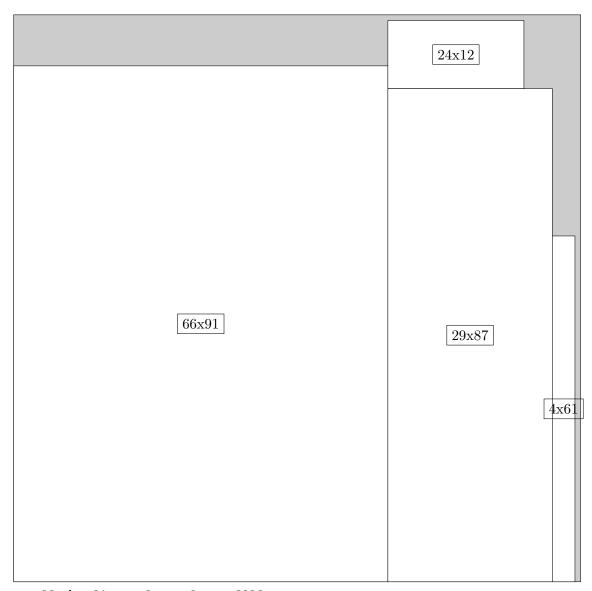
 $\begin{array}{l} w = 78 \; , \; h = 94 \; , \; x = 0 \; , \; y = 0 \; , \; v = 7332 \\ w = 16 \; , \; h = 83 \; , \; x = 84 \; , \; y = 0 \; , \; v = 1328 \\ w = 6 \; , \; h = 43 \; , \; x = 78 \; , \; y = 0 \; , \; v = 258 \end{array}$



$$\begin{array}{l} w = \! 89 \ , \ h = \! 73 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 6497 \\ w = \! 74 \ , \ h = \! 27 \ , \ x = \! 0 \ , \ y = \! 73 \ , \ v = \! 1998 \end{array}$$

$$\mathbf{w}$$
 =11 , h =58 , x =89 , y =0 , v =638

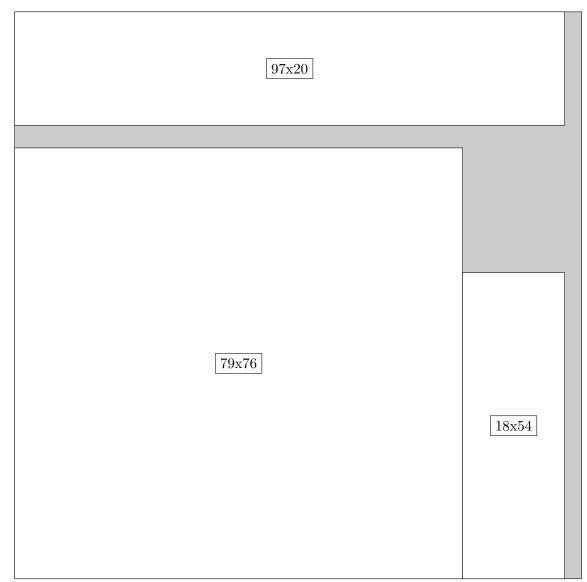




 $\begin{array}{l} w = \!\!66 \ , \ h = \!\!91 \ , \ x = \!\!0 \ , \ y = \!\!0 \ , \ v = \!\!6006 \\ w = \!\!29 \ , \ h = \!\!87 \ , \ x = \!\!66 \ , \ y = \!\!0 \ , \ v = \!\!2523 \end{array}$

w = 24, h = 12, x = 66, y = 87, v = 288

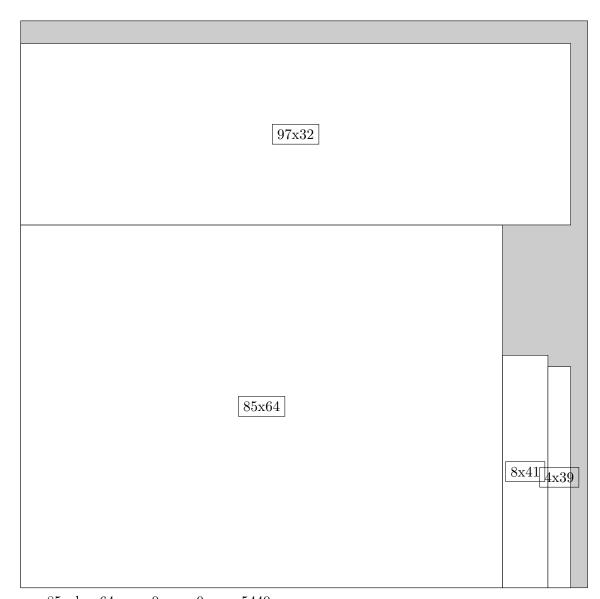
 \mathbf{w} =4 , h =61 , x =95 , y =0 , v =244



$$\le =79$$
 , h =76 , x =0 , y =0 , v =6004

$$\le =97$$
 , h =20 , x =0 , y =80 , v =1940

$$\le =18$$
 , h =
54 , x =
79 , y =
0 , v =
972



$$\begin{array}{l} w = \!\!85 \ , \ h = \!\!64 \ , \ x = \!\!0 \ , \ y = \!\!0 \ , \ v = \!\!5440 \\ w = \!\!97 \ , \ h = \!\!32 \ , \ x = \!\!0 \ , \ y = \!\!64 \ , \ v = \!\!3104 \end{array}$$

$$\le =8$$
 , h =41 , x =85 , y =0 , v =328

$$\mathbf{w}$$
 =4 , h =39 , x =93 , y =0 , v =156

36x25	14x20	
	39x10	25x4
7	5x70	25x73

$$\le -75$$
 , h =
70 , x =
0 , y =
0 , v =
5250

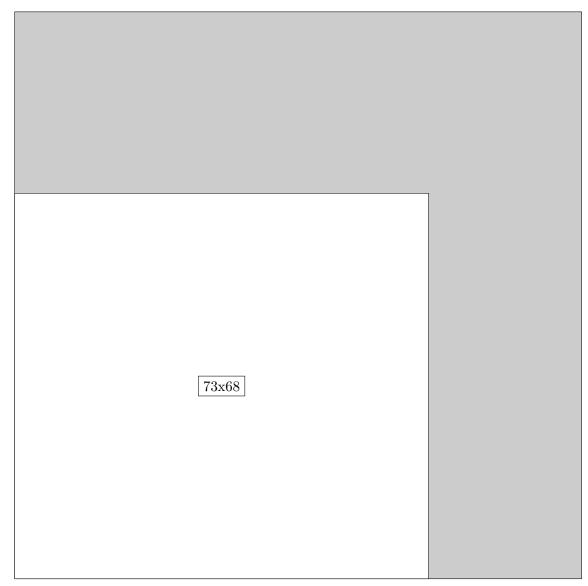
$$\le =25$$
 , h =73 , x =75 , y =0 , v =1825

$$\le =36$$
 , $h=25$, $x=0$, $y=70$, $v=900$

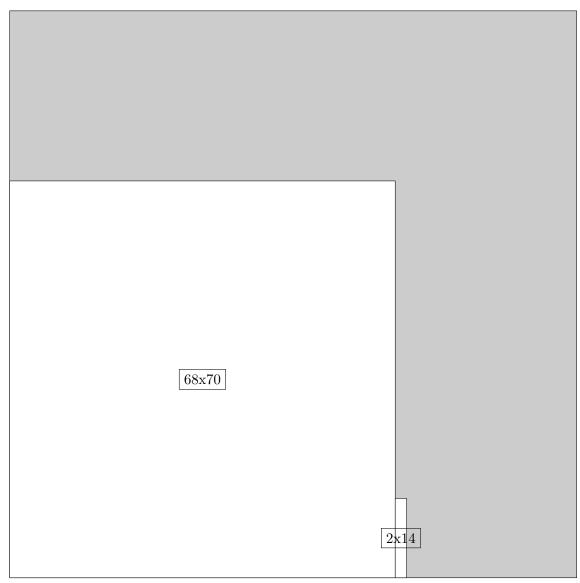
$$\le =39$$
 , h =10 , x =36 , y =70 , v =390

$$w = 14$$
, $h = 20$, $x = 36$, $y = 80$, $v = 280$

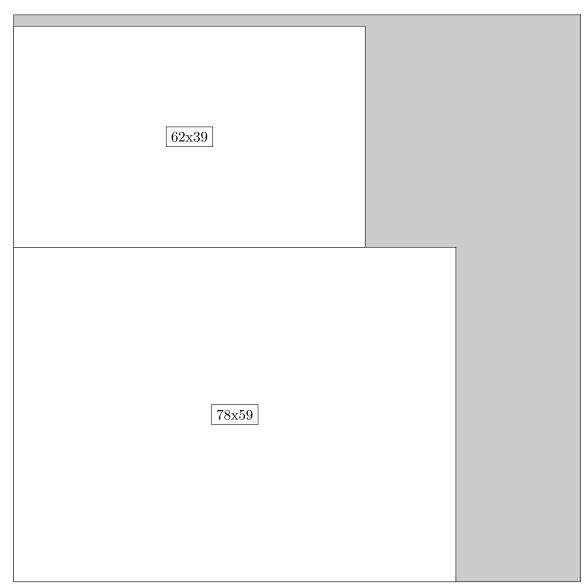
$$\le =25$$
 , h =4 , x =75 , y =73 , v =100

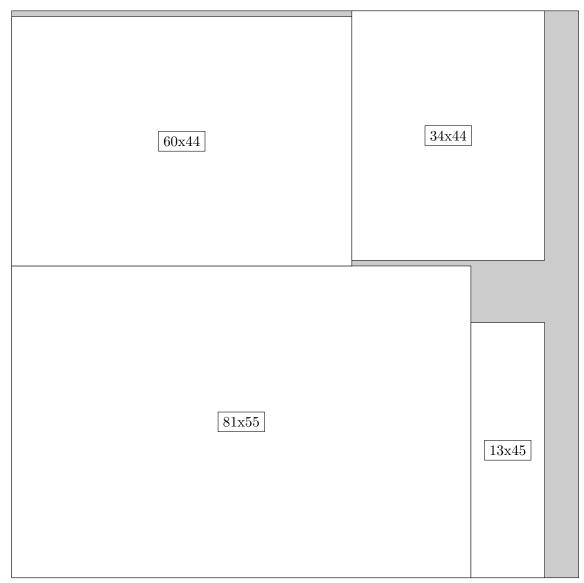


w = 73, h = 68, x = 0, y = 0, v = 4964



 $\begin{array}{l} w = \!\!68 \ , \, h = \!\!70 \ , \, x = \!\!0 \ , \, y = \!\!0 \ , \, v = \!\!4760 \\ w = \!\!2 \ , \, h = \!\!14 \ , \, x = \!\!68 \ , \, y = \!\!0 \ , \, v = \!\!28 \end{array}$



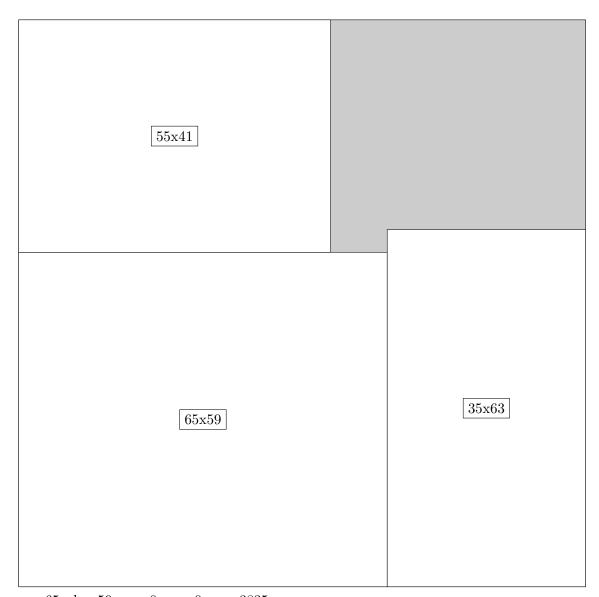


$$\le =81$$
 , h =55 , x =0 , y =0 , v =4455

$$\le =60$$
 , h =44 , x =0 , y =55 , v =2640

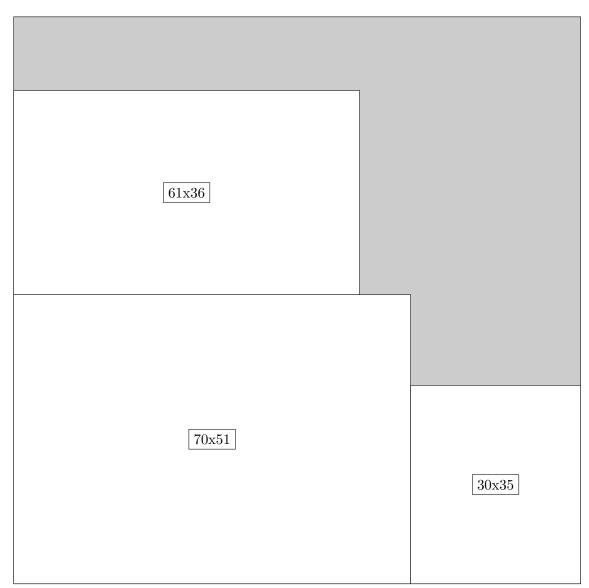
$$\le =34$$
 , h =44 , x =60 , y =56 , v =1496

$$\le =13$$
 , $h=45$, $x=81$, $y=0$, $v=585$



$$\begin{array}{l} w = \!\!65 \ , \ h = \!\!59 \ , \ x = \!\!0 \ , \ y = \!\!0 \ , \ v = \!\!3835 \\ w = \!\!55 \ , \ h = \!\!41 \ , \ x = \!\!0 \ , \ y = \!\!59 \ , \ v = \!\!2255 \end{array}$$

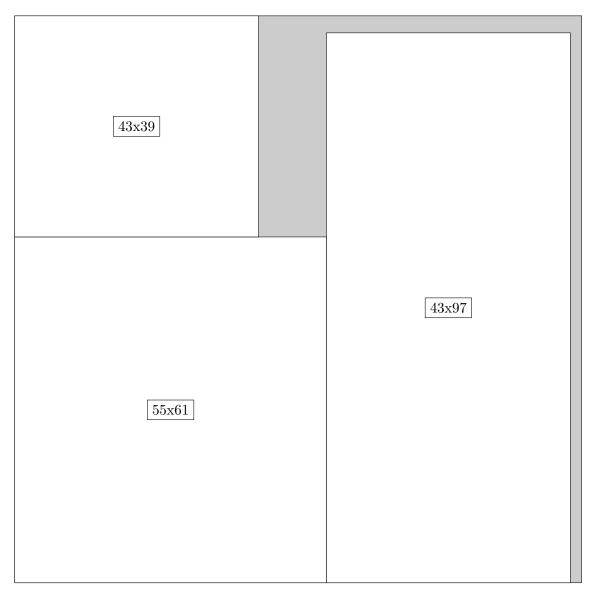
$$\le =35$$
 , h =63 , x =65 , y =0 , v =2205



$$\le =70$$
 , h =51 , x =0 , y =0 , v =3570

$$\le =61$$
 , $h=36$, $x=0$, $y=51$, $v=2196$

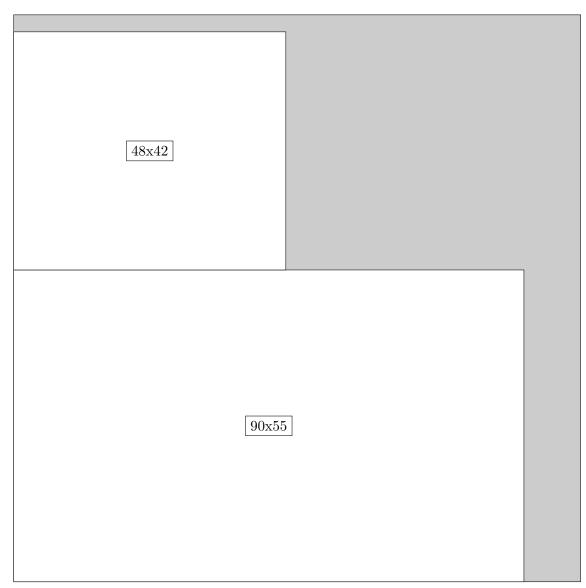
$$\le =30$$
 , h =35 , x =70 , y =0 , v =1050

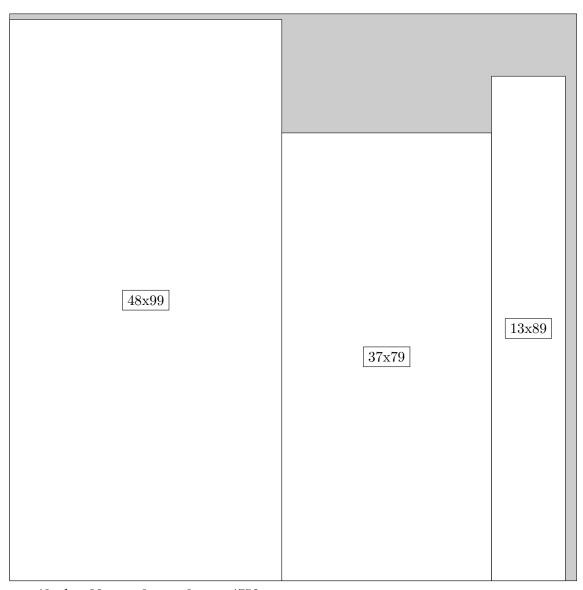


$$w = 43$$
, $h = 97$, $x = 55$, $y = 0$, $v = 4171$

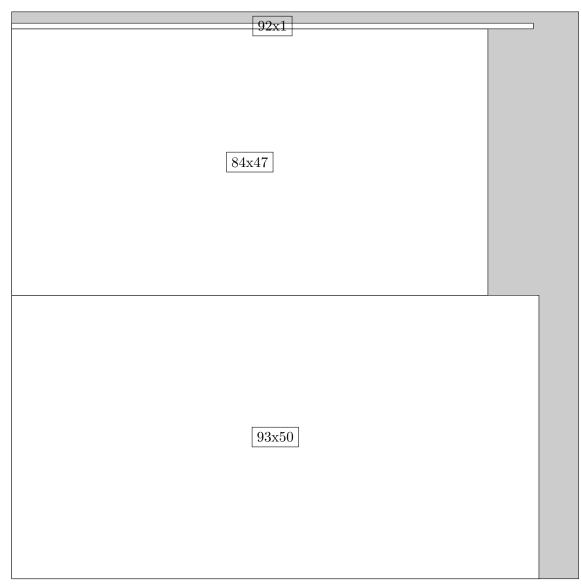
$$\le =55$$
 , h =61 , x =0 , y =0 , v =3355

$$\le =43$$
 , h =39 , x =0 , y =61 , v =1677

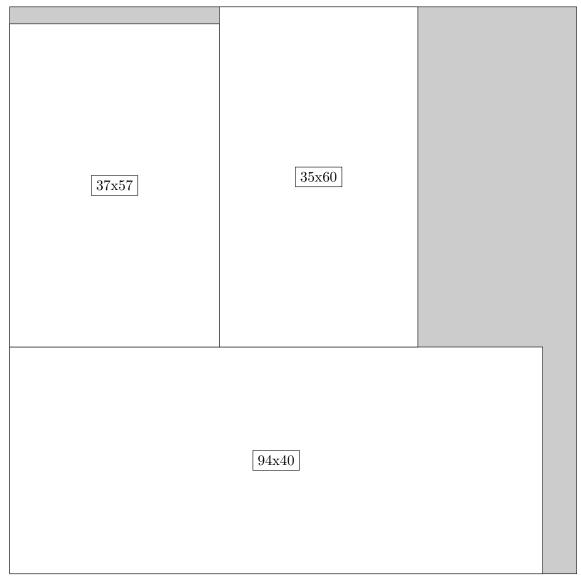




$$\begin{array}{l} w = \!\! 48 \ , \ h = \!\! 99 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 4752 \\ w = \!\! 37 \ , \ h = \!\! 79 \ , \ x = \!\! 48 \ , \ y = \!\! 0 \ , \ v = \!\! 2923 \\ w = \!\! 13 \ , \ h = \!\! 89 \ , \ x = \!\! 85 \ , \ y = \!\! 0 \ , \ v = \!\! 1157 \end{array}$$



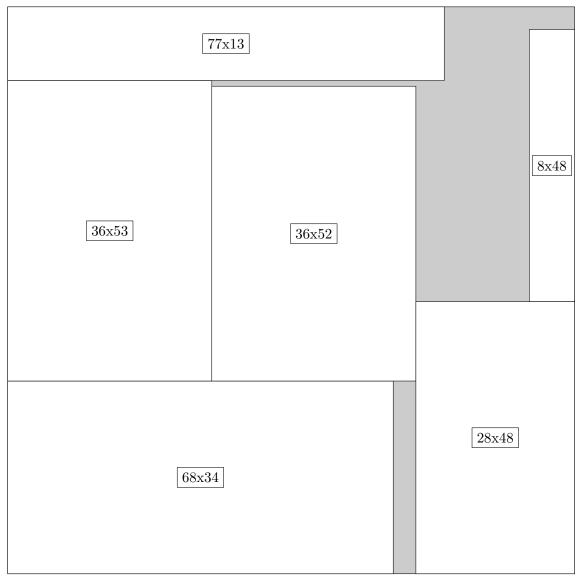
$$\begin{array}{l} w = \! 93 \ , \ h = \! 50 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 4650 \\ w = \! 84 \ , \ h = \! 47 \ , \ x = \! 0 \ , \ y = \! 50 \ , \ v = \! 3948 \\ w = \! 92 \ , \ h = \! 1 \ , \ x = \! 0 \ , \ y = \! 97 \ , \ v = \! 92 \end{array}$$



$$\le =94$$
 , h =40 , x =0 , y =0 , v =3760

$$\le =37$$
 , h =57 , x =0 , y =40 , v =2109

$$\le =35$$
 , h =60 , x =37 , y =40 , v =2100



$$w = 68$$
, $h = 34$, $x = 0$, $y = 0$, $v = 2312$

$$w = 36$$
, $h = 53$, $x = 0$, $y = 34$, $v = 1908$

$$\le =36$$
 , $h=52$, $x=36$, $y=34$, $v=1872$

$$\mathbf{w}$$
 =77 , h =13 , x =0 , y =87 , v =1001

$$w$$
 =8 , h =48 , x =92 , y =48 , v =384

$$w=\!28$$
 , $h=\!48$, $x=\!72$, $y=\!0$, $v=\!1344$