$ClassName: {\bf Class_10.2bp-41}$

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

TypeNum: <u>99</u>
Num: <u>100</u>
OutS: <u>160000</u>
InS: <u>146010</u>
Rate: <u>0.913</u>
UB: <u>16</u>
LB0: <u>15</u>
LB: 16

LBWithCut: $\underline{\bf 16}$ NodeCut: $\underline{\bf 0}$

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

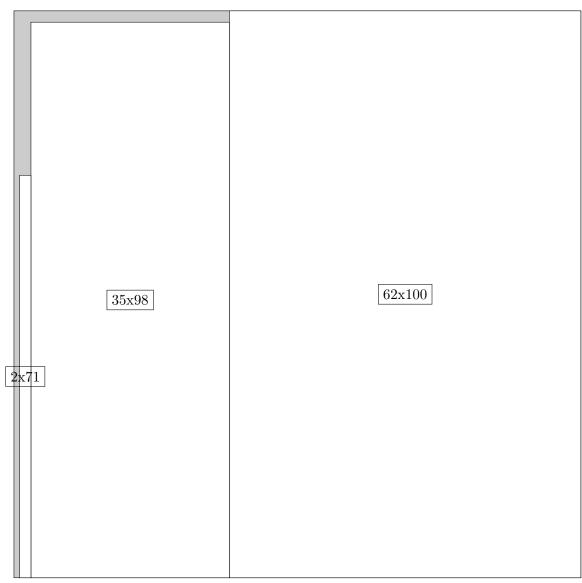
GenNodeCnt: $\underline{\mathbf{1}}$ PrimalNode: $\underline{\mathbf{0}}$ ColumnCount: $\underline{\mathbf{65}}$ TotalCutCount: $\underline{\mathbf{0}}$ RootCutCount: $\underline{\mathbf{0}}$ LPSolverCnt: $\underline{\mathbf{50}}$ PricingSolverCnt: $\underline{\mathbf{50}}$ BranchAndBoundNum: $\underline{\mathbf{1}}$

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

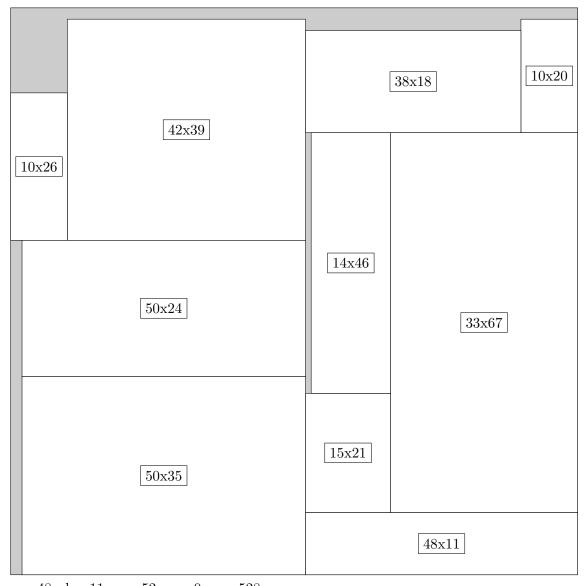
TimeOnInitSolution: $\underline{600.000 \text{ s}}$

TimeOnPrimal: 0.000 sTimeOnPricing: 2999.591 s

TimeOnRmp: $\underline{0.113 \text{ s}}$ TotalTime: 3600.003 s



 $\begin{array}{l} w = 62 \ , \ h = 100 \ , \ x = 38 \ , \ y = 0 \ , \ v = 6200 \\ w = 35 \ , \ h = 98 \ , \ x = 3 \ , \ y = 0 \ , \ v = 3430 \\ w = 2 \ , \ h = 71 \ , \ x = 1 \ , \ y = 0 \ , \ v = 142 \end{array}$



$$\begin{array}{l} w = \!\! 48 \ , \ h = \!\! 11 \ , \ x = \!\! 52 \ , \ y = \!\! 0 \ , \ v = \!\! 528 \\ w = \!\! 33 \ , \ h = \!\! 67 \ , \ x = \!\! 67 \ , \ y = \!\! 11 \ , \ v = \!\! 2211 \end{array}$$

$$w = 14$$
, $h = 46$, $x = 53$, $y = 32$, $v = 644$

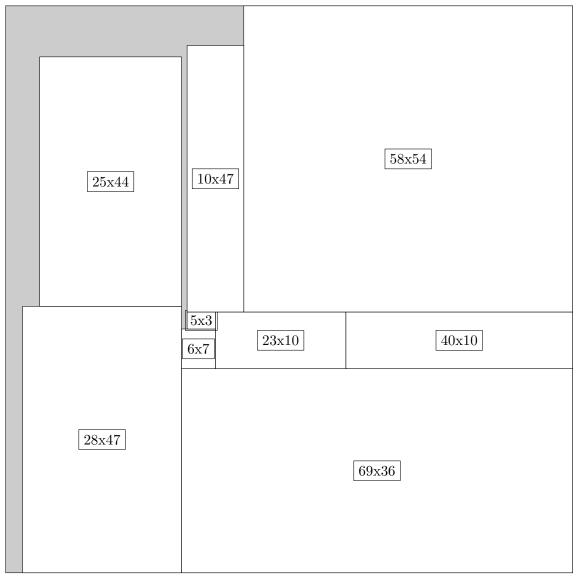
$$w = 14$$
, $h = 46$, $x = 53$, $y = 32$, $v = 644$

$$w = 10$$
, $h = 20$, $x = 90$, $y = 78$, $v = 200$

$$w = 38$$
, $h = 18$, $x = 52$, $y = 78$, $v = 684$
 $w = 50$, $h = 35$, $x = 2$, $y = 0$, $v = 1750$

$$w = 50$$
, $h = 24$, $x = 2$, $y = 35$, $v = 1200$

$$\le =42$$
 , h =39 , x =10 , y =59 , v =1638



$$w = 69$$
, $h = 36$, $x = 31$, $y = 0$, $v = 2484$

$$w = 40$$
, $h = 10$, $x = 60$, $y = 36$, $v = 400$

$$w=\!23$$
 , $h=\!10$, $x=\!37$, $y=\!36$, $v=\!230$

$$\mathbf{w}$$
 =6 , h =7 , x =31 , y =36 , v =42

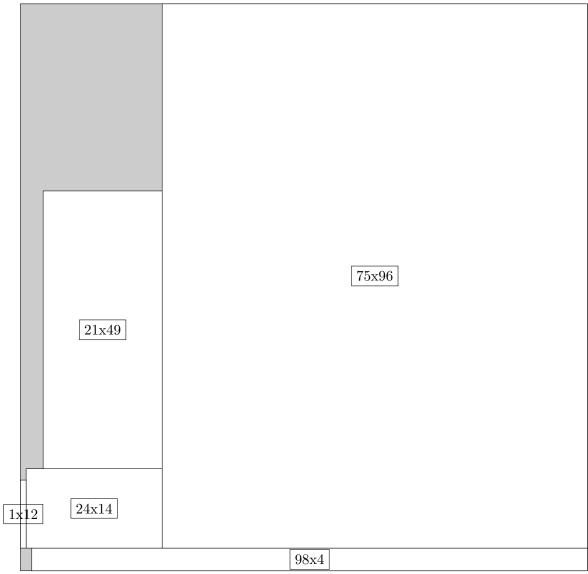
$$w$$
 =5 , h =3 , x =32 , y =43 , v =15

$$w=\!58$$
 , $h=\!54$, $x=\!42$, $y=\!46$, $v=\!3132$

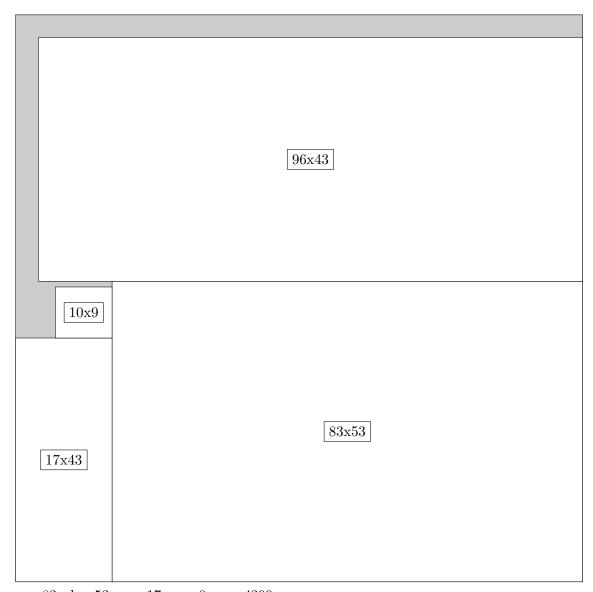
$$w = 10$$
, $h = 47$, $x = 32$, $y = 46$, $v = 470$

$$w = 28$$
, $h = 47$, $x = 3$, $y = 0$, $v = 1316$

$$w = 25$$
, $h = 44$, $x = 6$, $y = 47$, $v = 1100$



$$\begin{array}{l} w = 98 \; , \; h = 4 \; , \; x = 2 \; , \; y = 0 \; , \; v = 392 \\ w = 75 \; , \; h = 96 \; , \; x = 25 \; , \; y = 4 \; , \; v = 7200 \\ w = 24 \; , \; h = 14 \; , \; x = 1 \; , \; y = 4 \; , \; v = 336 \\ w = 1 \; , \; h = 12 \; , \; x = 0 \; , \; y = 4 \; , \; v = 12 \\ w = 21 \; , \; h = 49 \; , \; x = 4 \; , \; y = 18 \; , \; v = 1029 \end{array}$$

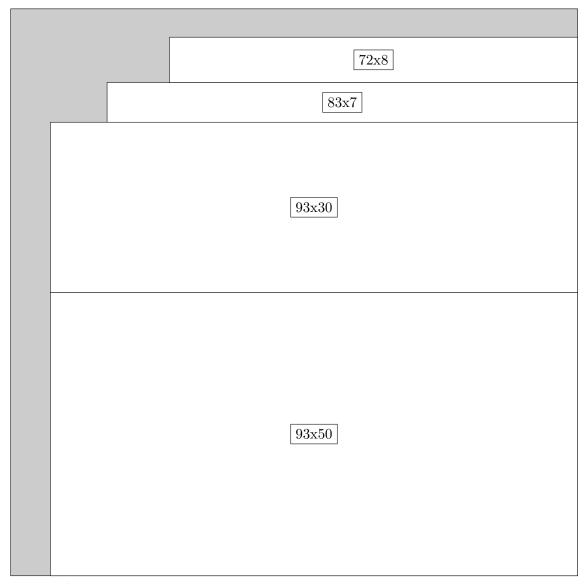


$$\le =83$$
 , $h=53$, $x=17$, $y=0$, $v=4399$

$$\le =17$$
 , h =43 , x =0 , y =0 , v =731

$$\le =10$$
 , h =9 , x =7 , y =43 , v =90

$$w$$
 =96 , h =43 , x =4 , y =53 , v =4128

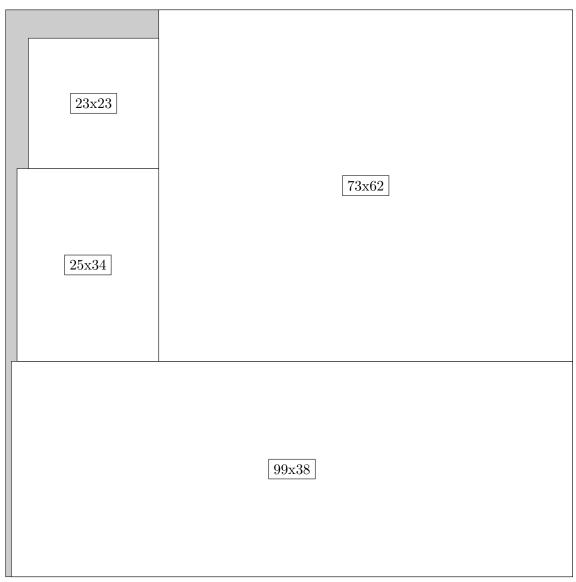


$$\le =93$$
 , h =50 , x =7 , y =0 , v =4650

$$\le =93$$
 , h =30 , x =7 , y =50 , v =2790

$$\le =83$$
 , h =7 , x =17 , y =80 , v =581

$$w$$
 =72 , h =8 , x =28 , y =87 , v =576

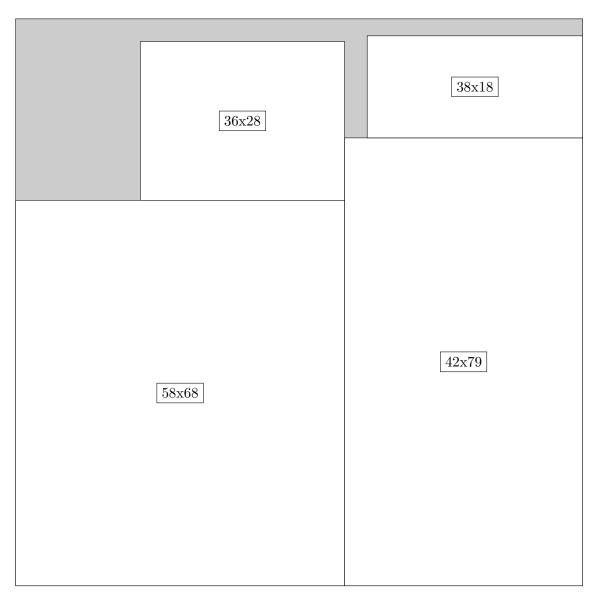


$$\le =99$$
 , h =38 , x =1 , y =0 , v =3762

$$\le =73$$
 , h =62 , x =27 , y =38 , v =4526

$$\le =25$$
 , h =34 , x =2 , y =38 , v =850

$$\le =23$$
 , h =23 , x =4 , y =72 , v =529

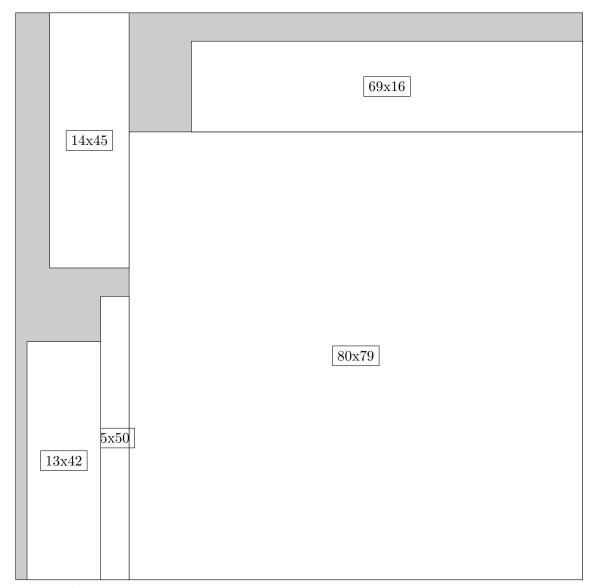


$$\le =42$$
 , h =79 , x =58 , y =0 , v =3318

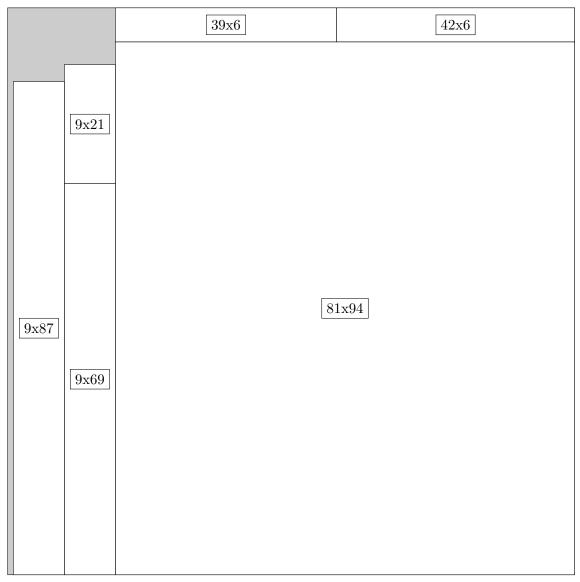
$$\le =38$$
 , h =18 , x =62 , y =79 , v =684

$$\le =58$$
 , h =68 , x =0 , y =0 , v =3944

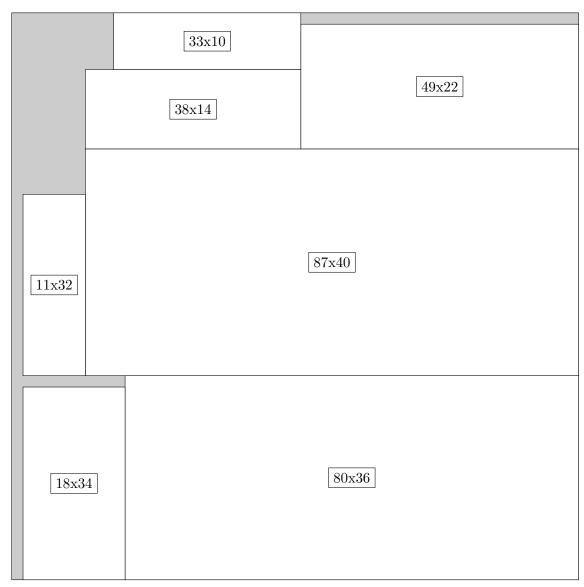
$$\le =36$$
 , $h=28$, $x=22$, $y=68$, $v=1008$



$$\begin{array}{l} w=80 \ , \ h=79 \ , \ x=20 \ , \ y=0 \ , \ v=6320 \\ w=69 \ , \ h=16 \ , \ x=31 \ , \ y=79 \ , \ v=1104 \\ w=5 \ , \ h=50 \ , \ x=15 \ , \ y=0 \ , \ v=250 \\ w=13 \ , \ h=42 \ , \ x=2 \ , \ y=0 \ , \ v=546 \\ w=14 \ , \ h=45 \ , \ x=6 \ , \ y=55 \ , \ v=630 \end{array}$$



 $\begin{array}{l} w = \! 81 \; , \; h = \! 94 \; , \; x = \! 19 \; , \; y = \! 0 \; , \; v = \! 7614 \\ w = \! 9 \; , \; h = \! 69 \; , \; x = \! 10 \; , \; y = \! 0 \; , \; v = \! 621 \\ w = \! 9 \; , \; h = \! 21 \; , \; x = \! 10 \; , \; y = \! 69 \; , \; v = \! 189 \\ w = \! 9 \; , \; h = \! 87 \; , \; x = \! 1 \; , \; y = \! 0 \; , \; v = \! 783 \\ w = \! 42 \; , \; h = \! 6 \; , \; x = \! 58 \; , \; y = \! 94 \; , \; v = \! 252 \\ w = \! 39 \; , \; h = \! 6 \; , \; x = \! 19 \; , \; y = \! 94 \; , \; v = \! 234 \end{array}$



$$w = 80$$
, $h = 36$, $x = 20$, $y = 0$, $v = 2880$

$$\le =18$$
 , $h=34$, $x=2$, $y=0$, $v=612$

$$\le =87$$
 , h =40 , x =13 , y =36 , v =3480

$$\le =11$$
 , h =32 , x =2 , y =36 , v =352

$$w$$
 =49 , h =22 , x =51 , y =76 , v =1078

$$w$$
 =38 , h =14 , x =13 , y =76 , v =532

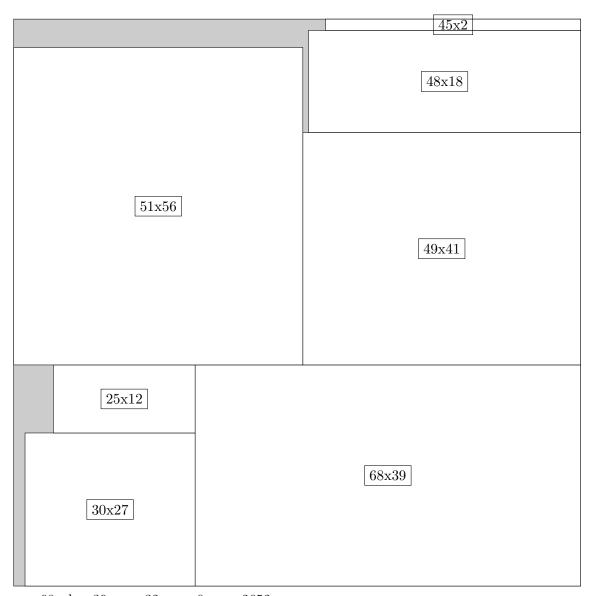
$$\le =33$$
 , $h=10$, $x=18$, $y=90$, $v=330$



$$\le =93$$
 , h =47 , x =7 , y =0 , v =4371

$$w$$
 =78 , h =35 , x =22 , y =47 , v =2730

$$\le =84$$
 , h =16 , x =16 , y =82 , v =1344



$$\le =68$$
 , h =39 , x =32 , y =0 , v =2652

$$\le =30$$
 , $h=27$, $x=2$, $y=0$, $v=\!\!810$

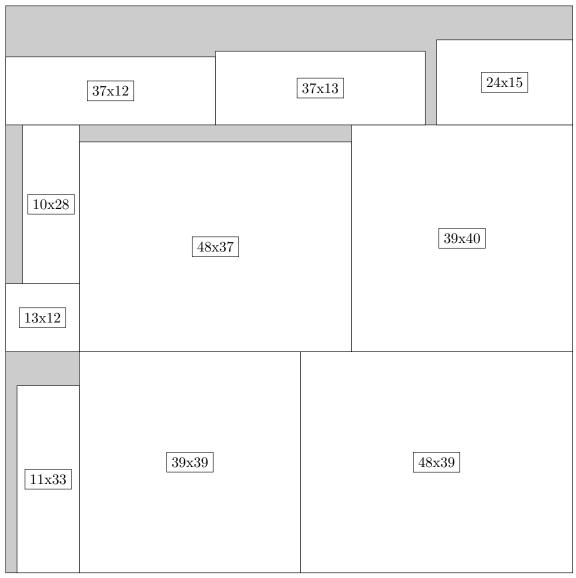
$$\le =25$$
 , h =12 , x =7 , y =27 , v =300

$$w$$
 =49 , h =41 , x =51 , y =39 , v =2009

$$w = 48$$
, $h = 18$, $x = 52$, $y = 80$, $v = 864$

$$w$$
 =45 , h =2 , x =55 , y =98 , v =90

$$w = 51$$
 , $h = 56$, $x = 0$, $y = 39$, $v = 2856$



$$w = 48$$
, $h = 39$, $x = 52$, $y = 0$, $v = 1872$

$$w = 39$$
, $h = 39$, $x = 13$, $y = 0$, $v = 1521$

$$w = 11$$
, $h = 33$, $x = 2$, $y = 0$, $v = 363$

$$w = 39$$
, $h = 40$, $x = 61$, $y = 39$, $v = 1560$

$$\le =48$$
 , h =37 , x =13 , y =39 , v =1776

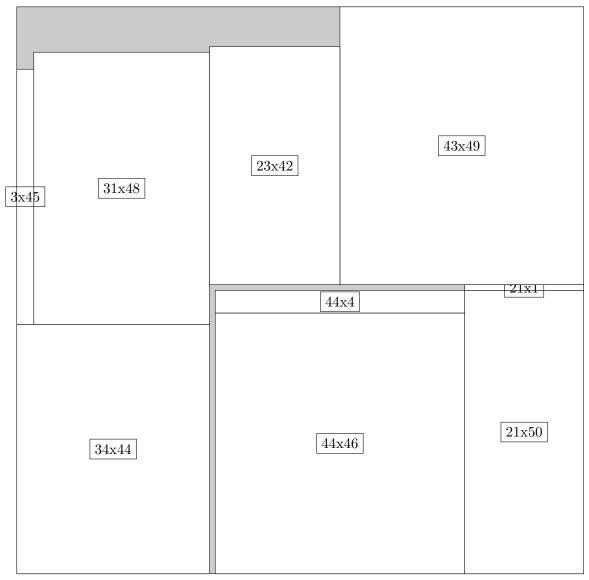
$$\mathbf{w}$$
 =13 , h =12 , x =0 , y =39 , v =156

$$w = 10$$
, $h = 28$, $x = 3$, $y = 51$, $v = 280$

$$w = 24$$
, $h = 15$, $x = 76$, $y = 79$, $v = 360$

$$\le =37$$
 , h =13 , x =37 , y =79 , v =481

$$w = 37$$
, $h = 12$, $x = 0$, $y = 79$, $v = 444$



$$w = 21$$
, $h = 50$, $x = 79$, $y = 0$, $v = 1050$

$$w = 21$$
, $h = 1$, $x = 79$, $y = 50$, $v = 21$

$$\mathbf{w}=\!\!44$$
 , $\mathbf{h}=\!\!46$, $\mathbf{x}=\!\!35$, $\mathbf{y}=\!\!0$, $\mathbf{v}=\!\!2024$

$$\mathbf{w}$$
 =44 , h =4 , x =35 , y =46 , v =176

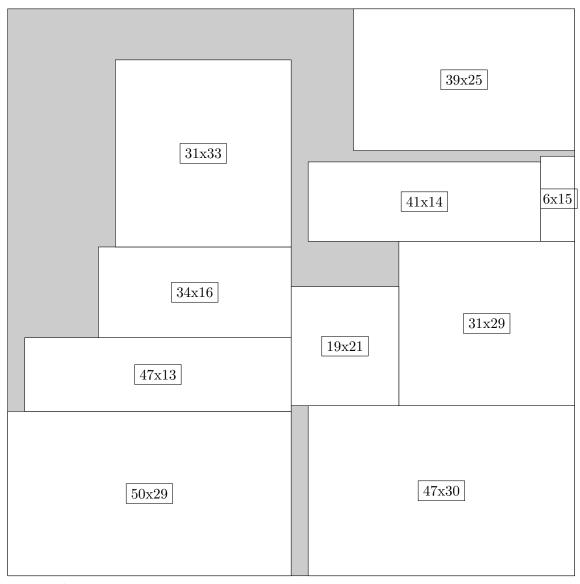
$$\le =43$$
 , h =49 , x =57 , y =51 , v =2107

$$\le =23$$
 , h =42 , x =34 , y =51 , v =966

$$w = 34$$
, $h = 44$, $x = 0$, $y = 0$, $v = 1496$

$$\le =31$$
 , h =48 , x =3 , y =44 , v =1488

$$w = 3$$
, $h = 45$, $x = 0$, $y = 44$, $v = 135$



$$w$$
 =47 , h =30 , x =53 , y =0 , v =1410

$$\le =31$$
 , $h=29$, $x=69$, $y=30$, $v=899$

$$\le =19$$
 , h =21 , x =50 , y =30 , v =399

$$w = 6$$
, $h = 15$, $x = 94$, $y = 59$, $v = 90$

$$\le =39$$
 , h =25 , x =61 , y =75 , v =975

$$\le =50$$
 , h =29 , x =0 , y =0 , v =1450

$$w = 47$$
, $h = 13$, $x = 3$, $y = 29$, $v = 611$

$$w = 34$$
, $h = 16$, $x = 16$, $y = 42$, $v = 544$

$$\le =31$$
 , h =33 , x =19 , y =58 , v =1023